



ENTERTAINMENT INTERCONNECT CATALOGUE



Amphenol Australia Pty. Ltd.

Amphenol Australia's head office is based in Melbourne, Victoria and is the Sales, Marketing and Engineering centre of excellence for an extensive range of professional connector and cabling products.

Amphenol's global presence allows us to take full advantage of our numerous corporate resources and product portfolio to provide you with a vast offering and choice. Our extensive range is designed to meet the specific needs of the entertainment markets to make the selection of your interconnect partner an easy choice.

The company has been producing products for the pro-audio industry for over fifty years. Since the development of our XLR AC Series connectors, we have continued to provide our customers with exacting quality in an increasingly competitive environment.

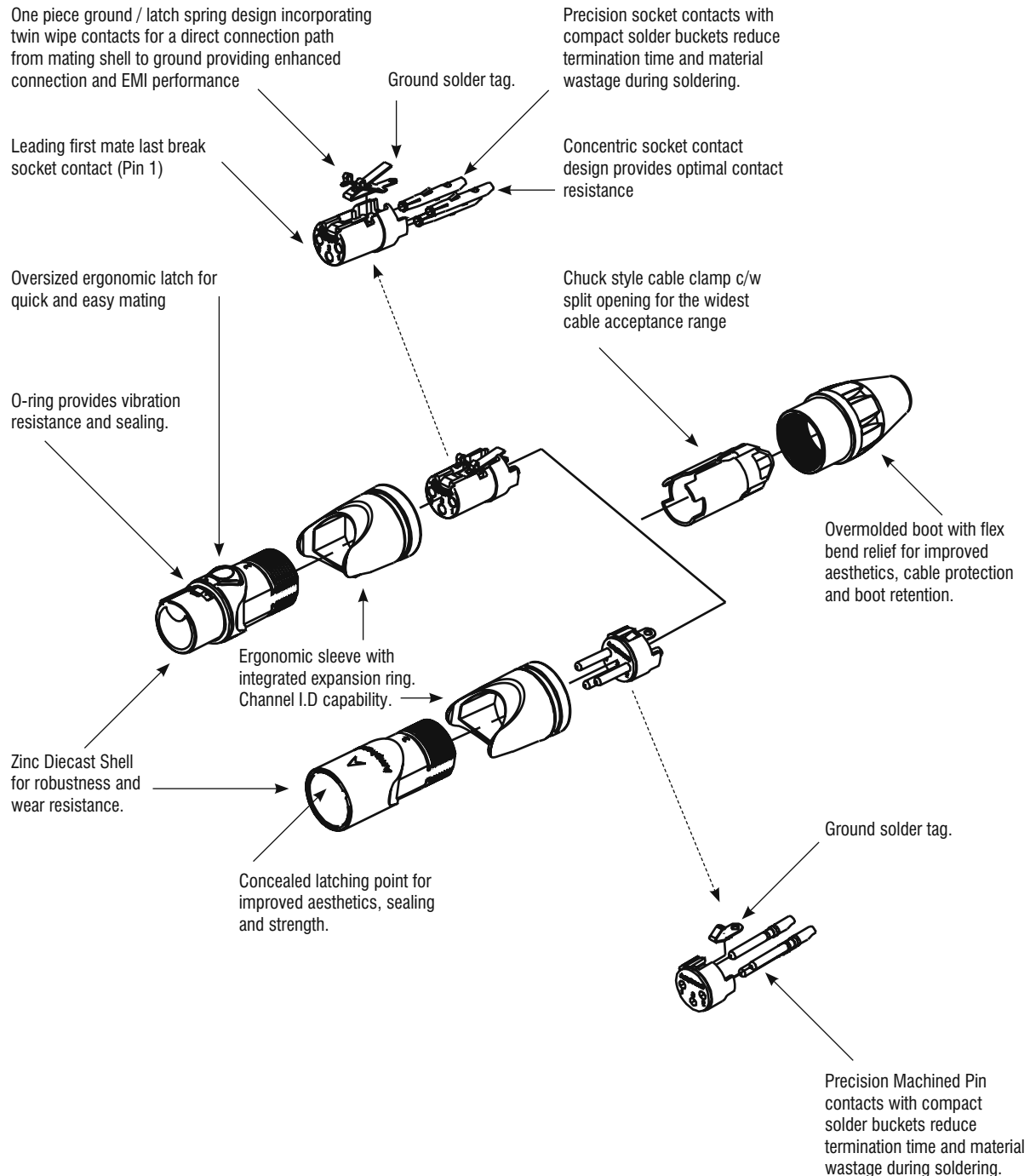
Continuous improvement through ISO9001, a focus on environmental awareness and development of next generation industry leading products is our philosophy. As the entertainment industry moves into the future the emerging technologies from other industries has become more prevalent and more challenging. Amphenol Australia's global presence combined with its close technical relationships with other Amphenol sister divisions, each a specialist and leader in their own interconnect field, places it well to support innovation and meet this challenge head on.

The ability of Amphenol to provide a full range of design services required to support the customers applications design and modelling, applications engineering, fabrication, value-added assembly and testing, coupled with the largest interconnect offering on the market means that we can support all of your system level needs.

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ISO VIEW OF AX SERIES XLR CABLE CONNECTOR





The revolutionary AX series of XLR connectors introduce an exciting contemporary look and feel to the professional audio interconnect market. They are designed to complement modern audio architecture and truly "fit" within their environment. An impressive list of features guarantees pure sound performance in the most demanding applications providing unrivalled value.

Features

- Unique Australian designed shell and housing.
- One piece ground / latch spring design incorporating twin wipe contacts for a direct connection path from mating shell to ground providing enhanced connection and EMI performance.
- Ergonomic sleeve design for improved grip.
- Channel I.D capability with coloured sleeves.
- Oversized ergonomic latch for quick and easy mating.
- Leading first mate last break pin 1 on socket connectors.
- Chuck style cable clamp to suit 3mm - 8mm (0.118" - 0.314") cable O.D. with integrated split to allow inclusion after soldering.
- Concealed latching point for improved aesthetics, sealing and strength.
- Overmolded boot with flex bend relief for improved aesthetics, cable protection and boot retention.
- Concentric socket contact design provides optimal contact resistance
- Precision machined pin contacts as standard.
- Compact solder buckets to reduce termination time and material wastage during the soldering process.
- Zinc diecast shell housing for robustness and wear with Satin nickel or Black finish.
- Available in 3, 4 and 5 contact arrangements.

Options

- Coloured I.D sleeves.
- Satin nickel or Black shell finish.
- Single or Bulk packaging.
- Gold plated contacts.

Ordering Codes

We have listed the more common ordering codes in each section. For further options please refer to the part number breakdown charts. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

METAL SHELL TYPE - SOLDER



Features:

- Unique Australian designed shell and housing.
- Ergonomic stylish sleeve design for improved grip.
- Oversized latch lever preserves your thumb.
- Leading first mate last break pin 1 on socket connectors.
- Chuck style cable clamp to suit 3mm - 8mm (0.118" - 0.314") cable O.D. with integrated split to allow inclusion after soldering.
- Overmolded cable support boot.
- New socket contact design for improved contact resistance.
- Precision machined pin contacts as standard.
- Compact solder buckets to reduce soldering time and wastage.
- Zinc diecast shell housing with Satin nickel or Matt black finish.
- Available in 3,4 and 5 contact arrangements.

Options:

- Coloured I.D sleeves.
- Satin nickel or Matt black shell finish.
- Single or Bulk packaging.

Part Number Breakdown: Page 6

Specifications: Page 9

Assembly Instructions: Page 7 & 8

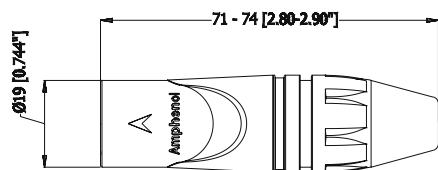
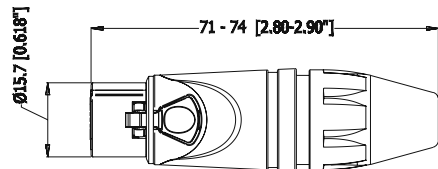
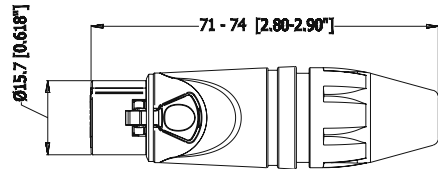
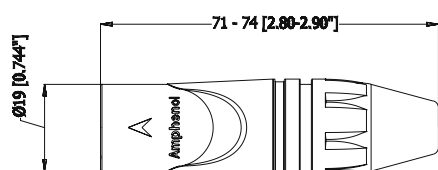
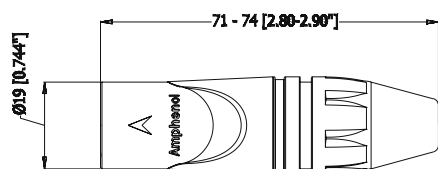
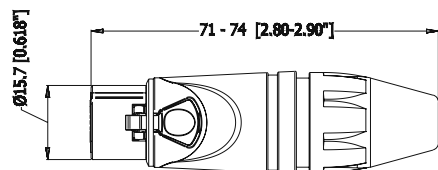
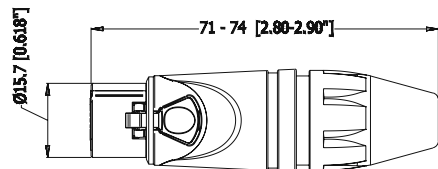
PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male Machined contacts Nickel Finish	Standard	AX3M
			Bulk Pack	AX3M BULK
		XLR 3 pole male Machined contacts Black Finish	Standard	AX3MB
			Gold Plated Contacts	AX3MB-AU
		XLR 3 pole female Stamped contacts Nickel Finish	Standard	AX3F
			Bulk Pack	AX3F BULK
		XLR 3 pole female Stamped contacts Black Finish	Standard	AX3FB
			Gold Plated Contacts	AX3FB-AU
		XLR 4 pole male Machined contacts Nickel Finish	Standard	AX4M
			Bulk Pack	AX4M BULK

*PI538 is available for download at www.amphenolaudio.com

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METAL SHELL TYPE - SOLDER

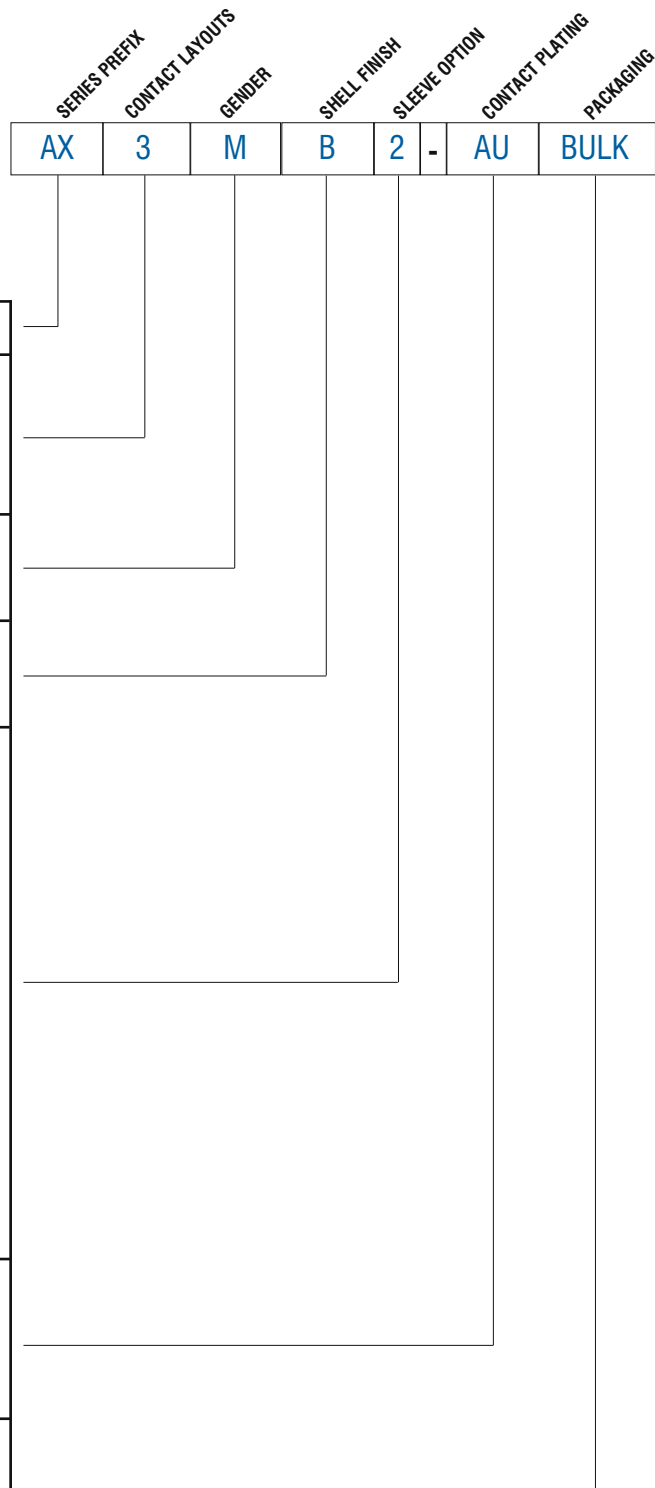
PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 4 pole male Machined contacts Black Finish	Standard	AX4MB
			Gold Plated Contacts	AX4MB-AU
			Bulk Pack	AX4MB BULK
		XLR 4 pole female Machined contacts Nickel Finish	Standard	AX4F
			Bulk Pack	AX4F BULK
		XLR 4 pole female Machined contacts Black Finish	Standard	AX4FB
			Gold Plated Contacts	AX4FB-AU
			Bulk Pack	AX4FB BULK
		XLR 5 pole male Machined contacts Nickel Finish	Standard	AX5M
			Bulk Pack	AX5M BULK
		XLR 5 pole male Machined contacts Black Finish	Standard	AX5MB
			Gold Plated Contacts	AX5MB-AU
			Bulk Pack	AX5MB BULK
		XLR 5 pole female Machined contacts Nickel Finish	Standard	AX5F
			Bulk Pack	AX5F BULK
		XLR 5 pole female Machined contacts Black Finish	Standard	AX5FB
			Gold Plated Contacts	AX5FB-AU
			Bulk Pack	AX5FB BULK

PART NUMBER BREAKDOWN

METAL SHELL TYPE - SOLDER

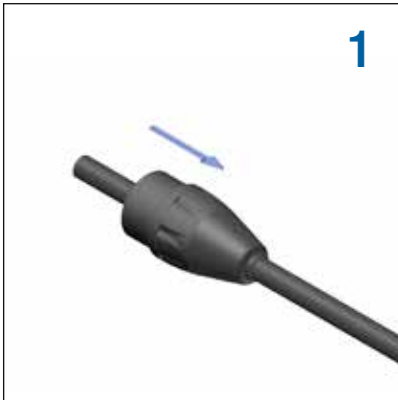
E. G. **AX3MB2-AU BULK**
AX (Series Prefix), **3** contacts, **Male**, **Black** Finish,
2 (Red Sleeve)- **AU** (Gold Plated Contacts), **Bulk** Packaged.

SERIES PREFIX	AX	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL FINISH	Blank	=	Nickel Plated Finish
	B	=	Black Finish
SLEEVE OPTION	1	=	Brown
	2	=	Red
	3	=	Orange
	4	=	Yellow
	5	=	Green
	6	=	Blue
	7	=	Violet
	8	=	Grey
	9	=	White
CONTACT PLATING	Blank	=	Standard Plating (Silver or Tin - Refer to Standard Data.)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

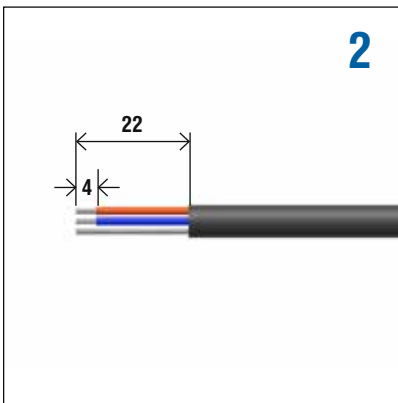


PI539 ASSEMBLY INSTRUCTIONS

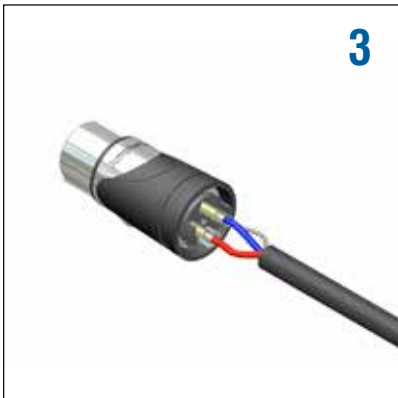
AX SERIES FEMALE XLR CABLE CONNECTOR



Slide the nut (Backshell) onto the cable



Strip the cable



Push back the insert only enough to expose the solder buckets. It is not necessary to remove the insert. Solder the wires to the contacts.



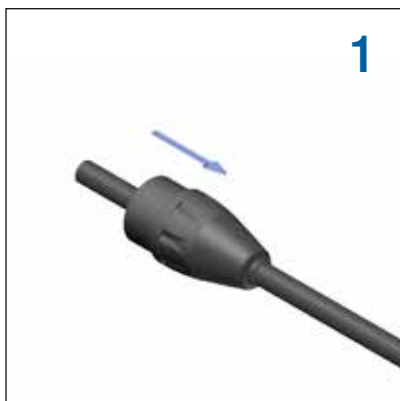
Install the cable clamp, flush to the insert making sure to align the top slot with the spring. Then push the insert & cable clamp together into the shell.



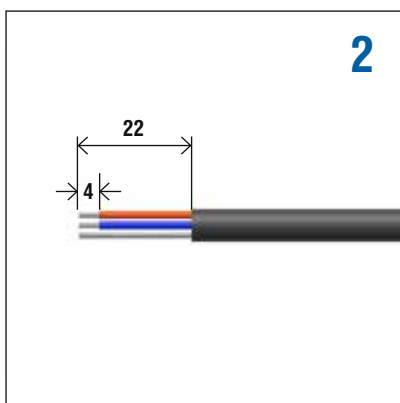
Thread the nut (Backshell) onto the shell (Torque 0.8Nm - 1.2Nm) to activate the cable clamp and close the connector assembly.

PI538 ASSEMBLY INSTRUCTIONS

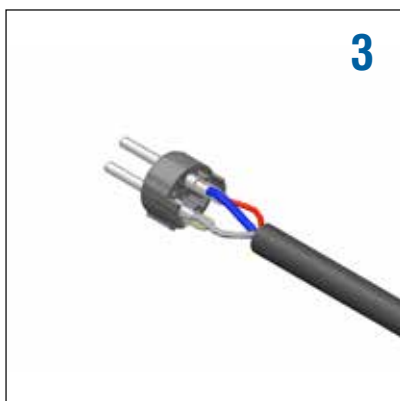
AX SERIES MALE XLR
CABLE CONNECTOR



Slide the nut (Backshell) onto the cable



Strip the cable



Solder the wires to the contacts.



Install the cable clamp flush to the insert making sure to align the slot with the ground contact.

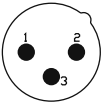
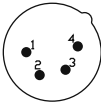
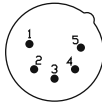


Align the key of the insert with the keyway on the shell then push the pin insert & cable clamp together in the shell.



Thread the nut (Backshell) onto the shell (Torque 0.8Nm - 1.2Nm) to activate the cable clamp and close the connector assembly.

STANDARD DATA AX SERIES CABLE CONNECTORS

		VALUE		
GENERAL CHARACTERISTICS	Number of contacts	3	4	5
	AX Series Contact Arrangements (Front view of pin inserts)			
	Termination	SOLDER		
	Max. Wire Gauge - Stranded wire: Solder	14AWG	16AWG	18AWG
	Flammability rating of insulator plastics and housings	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾		
	Test Voltage AC RMS	1400V		
	Current carrying capacity: Solder	15A	10A	7.5A
	Typical Contact Resistance	≤3m Ω		
	Insulation Resistance	≥1G Ω		
CLIMATIC CHARACTERISTICS	Protection Class	IP40		
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)		
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal force	≥10N - ≤30N		
	Weight ²⁾	31g (0.068lb)	33g (0.073lb)	33g (0.073lb)
	Typical Cable retention force	22Kg to 44Kg (50lb to 100lb) - Dependent on cable material and diameter.		
	Cable O.D. range	3mm to 8mm (0.118" to 0.314")		
	Mechanical Operations	1000 mating cycles		
MATERIALS	Connector shell - Metal Shell finish	Diecast Zinc Alloy Satin nickel or Black		
	Insulators	UL94V-0 PA66, 30% Glass Filled		
	Boot / Backshell Finish	UL94V-0 Noryl N190 / Santoprene Black, other colours available - see page 80		
	Cable clamp	Noryl N190		
	Sleeve	Noryl N190		
	Male Contact Machined - Solder / Plating	Brass / Silver or Gold (Optional)		
	Female Contact Stamped - Solder / Plating	Phosphor Bronze / Tin or Gold (Optional)		

Rev 3 - 03/2013

¹⁾ Not suitable for domestic applications above 50V

²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.



Amphenol Australia have been manufacturing and designing innovative XLR connectors since 1955. The AC series cable connector range complies with IEC268-12 and AES 14-1992 standards.
CSA File Number 68598.

Features

- AC series XLR connectors feature the unique Australian design and patented “Jaws” cable retention system
- A leading first mate last break socket contact is standard on all female connectors (Pin 1).
- The “Jaws” cable retention system provides up to 44kg (100lb) of strain.
- The AC series connector can be quickly and easily assembled without screws – by hand or portable termination tool. (Part number T2860)
- Available in 3, 4, 5, 6A and 7 contact arrangements.
- Compatible with all major XLR brands.

Options

- Solder Bucket termination
- Thermoplastic shell
- Zinc Diecast shell - Satin Nickel Finish
- Zinc Diecast shell - Black Polyester Finish
- Gold, Silver or Tin Plated contacts
- Bulk Style Packaging
- Single Bag packs
- Precision machined contacts
- Cost effective stamped contacts on 3 pole
- Standard Jaws cable clamp, Cable O.D 3mm to 6.5mm (0.118” to 0.255”)
- Large Jaws cable clamp, Cable O.D 6.5mm to 8mm (0.255” to 0.314”)
- Metal Boots / Backshells
- Coloured Boots / Backshells
- Coloured Identification rings
- Termination / Assembly tooling

Jaws Cable Clamp Options



Standard Jaws cable clamp (Black), Cable O.D 3mm to 6.5mm (0.118” to 0.255”)



Large Jaws cable clamp (Purple), Cable O.D 6.5mm to 8mm (0.255” to 0.314”)

AC SERIES XLR CABLE CONNECTORS

Ordering Codes

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- 8) Please contact us directly if you have any further problems.



Features:

- Zinc Diecast Shell.
- Solder Bucket connections.
- "Jaws" Cable Retention System.
- Contact layouts in 3, 4, 5, 6A and 7.
- Precision machined or Stamped contacts.
- Leading first mate last break socket contact.
- Quick and easy assembly without screws – by hand or portable termination tool. (Part number T2860.)

Options: Stamped Contacts (3 contact only), Gold plated contacts, Large or Small Jaws Cable Clamp, Black Finish Shell, Bulk Pack, Coloured Boots / Backshells

Part Number Breakdown: Page 14

Specifications: Page 16

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC3MM
			Bulk Pack	AC3MM BULK
		XLR 3 pole male, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC3MMB
			Gold Plated Contacts	AC3MMB-AU
		XLR 3 pole male, Stamped contacts, Nickel Finish, Jaws cable clamp	Standard	AC3M
			Large Cable Clamp	AC3MJ
		XLR 3 pole male, Stamped contacts, Black Finish, Jaws cable clamp	Bulk Pack	AC3M BULK
			Standard	AC3MB
		XLR 3 pole male, Stamped contacts, Black Finish, Jaws cable clamp	Gold Plated Contacts	AC3MB-AU
			Large Cable Clamp	AC3MBJ
		XLR 3 pole female, Stamped contacts, Nickel Finish, Jaws cable clamp	Bulk Pack	AC3MB BULK
			Standard	AC3F
		XLR 3 pole female, Stamped contacts, Nickel Finish, Jaws cable clamp	Large Cable Clamp	AC3FJ
			Bulk Pack	AC3F BULK
		XLR 3 pole female, Stamped contacts, Black Finish, Jaws cable clamp	Standard	AC3FB
			Gold Plated Contacts	AC3FB-AU
		XLR 3 pole female, Stamped contacts, Black Finish, Jaws cable clamp	Large Cable Clamp	AC3FBJ
			Bulk Pack	AC3FB BULK

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 4 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC4M
			Large Cable Clamp	AC4MJ
			Bulk Pack	AC4M BULK
		XLR 4 pole male, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC4MB
			Gold Plated Contacts	AC4MB-AU
			Large Cable Clamp	AC4MBJ
		XLR 4 pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC4F
			Large Cable Clamp	AC4FJ
			Bulk Pack	AC4F BULK
		XLR 4 pole female, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC4FB
			Gold Plated Contacts	AC4FB-AU
			Large Cable Clamp	AC4FBJ
		XLR 5 pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC5M
			Large Cable Clamp	AC5MJ
			Bulk Pack	AC5M BULK
		XLR 5 pole male, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC5MB
			Gold Plated Contacts	AC5MB-AU
			Large Cable Clamp	AC5MBJ
		XLR 5 pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC5F
			Large Cable Clamp	AC5FJ
			Bulk Pack	AC5F BULK
		XLR 5 pole female, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC5FB
			Gold Plated Contacts	AC5FB-AU
			Large Cable Clamp	AC5FBJ
		XLR 5 pole female, Machined contacts, Black Finish, Jaws cable clamp	Bulk Pack	AC5FB BULK

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 6A pole male, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AM
			Large Cable Clamp	AC6AMJ
			Bulk Pack	AC6AM BULK
		XLR 6A pole male, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC6AMB
			Gold Plated Contacts	AC6AMB-AU
			Large Cable Clamp	AC6AMBJ
		XLR 6A pole female, Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC6AF
			Large Cable Clamp	AC6AFJ
			Bulk Pack	AC6AF BULK
		XLR 6A pole female, Machined contacts, Black Finish, Jaws cable clamp	Standard	AC6AFB
			Gold Plated Contacts	AC6AFB-AU
			Large Cable Clamp	AC6AFBJ
		XLR 7 pole male, Gold plated Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC7M
			Large Cable Clamp	AC7MJ
			Bulk Pack	AC7M BULK
		XLR 7 pole male, Gold plated Machined contacts, Black Finish, Jaws cable clamp	Standard	AC7MB
			Large Cable Clamp	AC7MBJ
			Bulk Pack	AC7MB BULK
		XLR 7 pole female, Gold plated Machined contacts, Nickel Finish, Jaws cable clamp	Standard	AC7F
			Large Cable Clamp	AC7FJ
			Bulk Pack	AC7F BULK
		XLR 7 pole female, Gold plated Machined contacts, Black Finish, Jaws cable clamp	Standard	AC7FB
			Large Cable Clamp	AC7FBJ
			Bulk Pack	AC7FB BULK

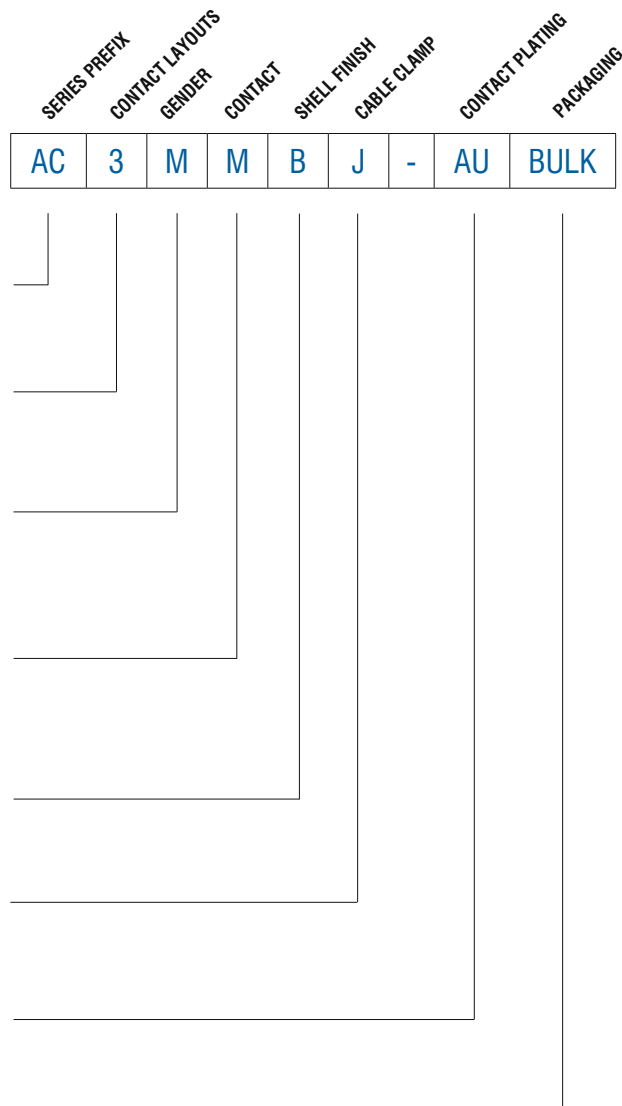
PART NUMBER BREAKDOWN

METAL SHELL TYPE - SOLDER

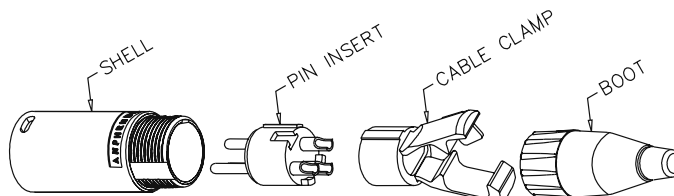
E. G. **AC3MMBJ-AU BULK**

AC (Series Prefix), **3** contacts, **Male**, **Machined** Contacts, **Black Polyester** Finish, **J** (Large Jaws), **- AU** (Gold Plated Contacts), **Bulk** Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6A	=	6 Contacts
	7	=	7 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
CONTACT¹	Blank	=	Stamped Contacts
	M	=	Machined Contacts
	G	=	Stamped Contacts, Ground Tag
	MG	=	Machined Contacts, Ground Tag (Applicable 3 male pin contacts, option M & MG only)
SHELL FINISH²	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
CABLE CLAMP	Blank	=	Standard Jaws 3mm - 6.5mm cable O.D. (0.118" to 0.255")
	J	=	Large Jaws 6.5mm - 8mm cable O.D. (0.255" to 0.314")
CONTACT PLATING³	Blank	=	Standard Plating (Silver or Tin) (Refer to Standard Data)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



ISO VIEW OF AC3MM



Note:

¹ 4 - 7 contact connectors have machined contacts and grounding as standard.

² Ground contacts are not supplied with the black polyester finish shell option.

³ 7 Contact is gold plated as standard.

⁴ All AC Series Connectors are available with optional colour coded boot / backshell.
Refer to page 137 and simply add colour to end of part number. Example: AC3MM - RED



Features:

- Thermoplastic Shell.
- Solder Bucket Connections.
- "Jaws" Cable Retention System.
- Stamped or Machined Contacts.
- Leading first mate last break socket contact.
- Quick and easy assembly without screws – by hand or portable termination tool. (Part number T2860.)

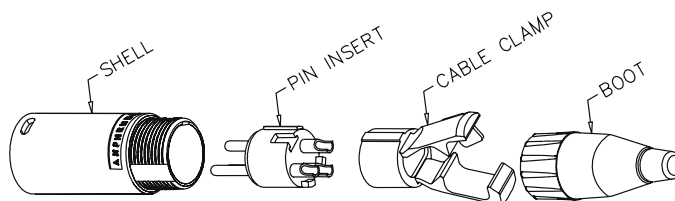
Options: Gold Plated Contacts, Stamped Contacts (3 Contact only), Bulk Pack, Coloured Boots / Backshells
3, 4, 5, 6A and 7 Contacts.

Specifications: Page 16

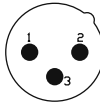
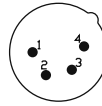
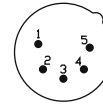
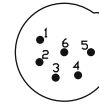
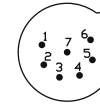
PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole male, Machined contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3MMCP
			Large Cable Clamp	AC3MMCPJ
			Bulk Pack	AC3MMCP BULK
		XLR 3 pole male, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3MCP
			Large Cable Clamp	AC3MCPJ
			Bulk Pack	AC3MCP BULK
		XLR 3 pole female, Stamped contacts, Thermoplastic shell, Jaws cable clamp	Standard	AC3FCP
			Large Cable Clamp	AC3FCPJ
			Bulk Pack	AC3FCP BULK

Note: Thermoplastic shell connectors are also available in 4 - 7 contact arrangements, please contact us for ordering code.

ISO VIEW OF AC3MM



STANDARD DATA AC CABLE CONNECTORS

		VALUE				
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6A	7
	AC Series Contact Arrangements (Front view of pin inserts)					
	Termination	SOLDER				
	Max. Wire Gauge - Stranded wire: Solder	14AWG	16AWG	18AWG		20AWG
	Flammability rating of insulator plastics and housings	UL94V-0				
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU				
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹				
	Test Voltage AC RMS	1400V				
	Current carrying capacity: Solder	15A	10A	7.5A		5A
	Typical Contact Resistance	≤3mΩ				
	Insulation Resistance	≥1GΩ				
CLIMATIC CHARACTERISTICS	Protection Class	IP40				
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)				
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal force	≥10N - ≤30N				
	Weight - Metal ²	36g (0.080lb)	37g (0.081lb)	38g (0.083lb)		
	Weight - Thermoplastic ²	18g (0.039lb)	19g (0.041lb)	20g (0.044lb)		
	Typical Cable retention force	22Kg to 44Kg (50lb to 100lb) - Dependent on cable material and diameter.				
	Cable O.D. range - JAWS clamp Standard Large	3mm to 6.5mm (0.118" to 0.255") 6.5mm to 8mm (0.255" to 0.314")				
	Mechanical Operations	1000 mating cycles				

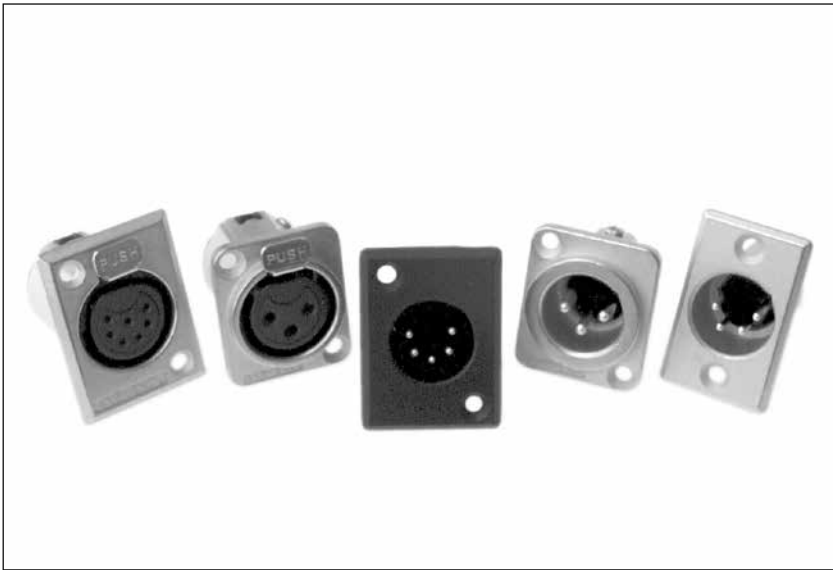
¹⁾ Not suitable for domestic applications above 50V

²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

STANDARD DATA AC CABLE CONNECTORS

		DETAILS
MATERIALS	Connector shell - Metal	Diecast Zinc Alloy
	Shell finish	Satin nickel or Black polyester
	Connector shell - Thermoplastic	Thermoplastic, UL94V-0 Modified PPE Resin
	Shell finish	Black
	Insulators	UL94V-0 PBT Resin or Modified PPE Resin
	Boot / Backshell	UL94V-0 Modified PPE Resin or Machined Brass
	Finish	Black, other colours available - see page 137
	Cable clamp	
	Standard Solder JAWS	UL94V-0 Modified PPO Resin (Black)
	Large Solder JAWS	UL94V-0 Modified PPO Resin (Purple)
	Cable Bushing	Santoprene
	Male Contact	
	Stamped - Solder / Plating	Phosphor Bronze / Silver or Gold (Optional)
	Machined - Solder / Plating	Brass / Silver or Gold (Optional)
	Female Contact	
	Stamped - Solder / Plating	Phosphor Bronze / Tin or Gold (Optional)
	Machined - Solder / Plating	Brass / Silver or Gold (Optional)

Rev 6 - 03/2015



AC “Z” SERIES XLR METAL CHASSIS MOUNT CONNECTORS

The metal chassis mount “Z” series connectors are designed for the audio user where durability, reliability and strength across a wide range of applications are important. All AC products are manufactured to the highest quality standards and will withstand the harshest environments. This range complies with IEC268-12 and AES 14-1992 standards. CSA File Number 68598

Features

- The “D” size housing can be either front or rear mounted using the same panel cutout.
- The “P” size housing is the original wide flange front mounting XLR connector. “PN” is the original narrow flange front mounting male connector.
- A leading first mate last break socket contact is standard on all female connectors (Pin 1).
- Solder cup or Vertical PCB versions.
- Connectors are fitted with a grounding system for RFI shielding applications.
- Available in 3, 4, 5, 6A and 7 contact arrangements.
- Compatible with all other XLR brands.

Options

- Solder Bucket termination
- Vertical PCB contacts
- Zinc Diecast Shell - Satin Nickel Finish
- Zinc Diecast Shell - Black Polyester Finish
- Gold, Silver or Tin Plated Contacts
- Bulk Packaging
- Single Bag packs
- Precision machined contacts
- Cost effective stamped contacts on 3 pole
- Latchless versions (Non-Latching) (Female only)

Note: A ground tag is standard on all AC “Z” series connectors. Although the ground tag is intended for RFI shielding applications, Amphenol cannot guarantee its effectiveness in all cases.

The non-conductive Black polyester finish insulates the ground tag from the shell and should not be used in applications requiring ground contact to the shell.

Ordering Codes

We have listed the more common ordering codes in each section. For further options please refer to the part number breakdown charts. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.



Features:

- Zinc Diecast Shell.
- D size housing can be front or rear mounted using the same panel cutout.
- Solder Bucket connections.
- Vertical PCB mounting (not available in 4 contact female).
- Precision machined or Stamped contacts (3 pin only).
- Leading first mate last break socket contact.
- Positive latch lock system.

Options: Stamped contacts (3 contact only), Gold plated contacts, Vertical PCB contacts, Black finish, Non-Latching (Female only), Bulk Pack.

Part Number Breakdown: [Page 23](#)

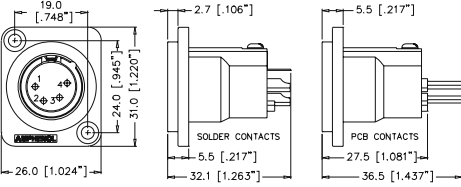
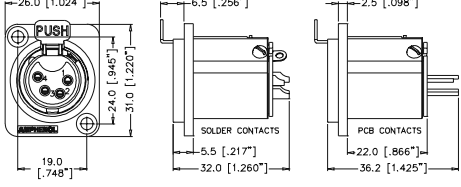
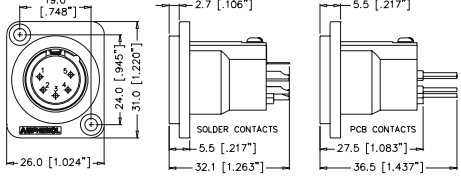
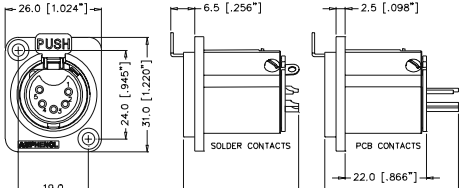
Specifications: [Page 24](#)

PCB Footprints: [Page 25](#)

Panel Cutouts: [Page 25](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC3MMDZ
				Vertical PCB	AC3MMDZV
				Bulk Pack	AC3MMDZ BULK
			XLR 3 pole male, D Flange, Machined contacts, Black Finish	Standard	AC3MMDZB
Gold Plated Contacts				AC3MMDZB-AU	
Vertical PCB				AC3MMDZVB	
	Bulk Pack	AC3MMDZB BULK			
			XLR 3 pole male, D Flange, Stamped contacts, Nickel Finish	Standard	AC3MDZ
				Bulk Pack	AC3MDZ BULK
					
Gold Plated Contacts	AC3MDZB-AU				
Bulk Pack	AC3MDZB BULK				
			XLR 3 pole female, D Flange, Stamped contacts, Nickel Finish	Standard	AC3FDZ
				Bulk Pack	AC3FDZ BULK
Gold Plated Contacts	AC3FDZB-AU				
Bulk Pack	AC3FDZB BULK				

METAL D TYPE FLANGE

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 4 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC4MDZ
				Vertical PCB	AC4MDZV
				Bulk Pack	AC4MDZ BULK
			XLR 4 pole male, D Flange, Machined contacts, Black Finish	Standard	AC4MDZB
				Gold Plated Contacts	AC4MDZB-AU
				Vertical PCB	AC4MDZVB
			XLR 4 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC4FDZ
				Vertical PCB	AC4FDZV
				Bulk Pack	AC4FDZ BULK
			XLR 4 pole female, D Flange, Machined contacts, Black Finish	Standard	AC4FDZB
				Gold Plated Contacts	AC4FDZB-AU
				Vertical PCB	AC4FDZVB
			XLR 5 pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC5MDZ
				Vertical PCB	AC5MDZV
				Bulk Pack	AC5MDZ BULK
			XLR 5 pole male, D Flange, Machined contacts, Black Finish	Standard	AC5MDZB
				Gold Plated Contacts	AC5MDZB-AU
				Vertical PCB	AC5MDZVB
			XLR 5 pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC5FDZ
				Vertical PCB	AC5FDZV
				Bulk Pack	AC5FDZ BULK
			XLR 5 pole female, D Flange, Machined contacts, Black Finish	Standard	AC5FDZB
				Gold Plated Contacts	AC5FDZB-AU
				Vertical PCB	AC5FDZVB
				Bulk Pack	AC5FDZB BULK

METAL D TYPE FLANGE

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 6A pole male, D Flange, Machined contacts, Nickel Finish	Standard	AC6AMDZ
				Vertical PCB	AC6AMDZV
				Bulk Pack	AC6AMDZ BULK
			XLR 6A pole male, D Flange, Machined contacts, Black Finish	Standard	AC6AMDZB
				Gold Plated Contacts	AC6AMDZB-AU
				Vertical PCB	AC6AMDZVB
				Bulk Pack	AC6AMDZB BULK
			XLR 6A pole female, D Flange, Machined contacts, Nickel Finish	Standard	AC6AFDZ
				Vertical PCB	AC6AFDZV
				Bulk Pack	AC6AFDZ BULK
			XLR 6A pole female, D Flange, Machined contacts, Black Finish	Standard	AC6AFDZB
				Gold Plated Contacts	AC6AFDZB-AU
				Vertical PCB	AC6AFDZVB
				Bulk Pack	AC6AFDZB BULK
			XLR 7 pole male, D Flange, Gold Plated Machined contacts, Nickel Finish	Standard	AC7MDZ
				Vertical PCB	AC7MDZV
				Bulk Pack	AC7MDZ BULK
			XLR 7 pole male, D Flange, Gold Plated Machined contacts, Black Finish	Standard	AC7MDZB
				Vertical PCB	AC7MDZVB
				Bulk Pack	AC7MDZB BULK
			XLR 7 pole female, D Flange, Gold Plated Machined contacts, Nickel Finish	Standard	AC7FDZ
				Vertical PCB	AC7FDZV
				Bulk Pack	AC7FDZ BULK
			XLR 7 pole female, D Flange, Gold Plated Machined contacts, Black Finish	Standard	AC7FDZB
				Vertical PCB	AC7FDZVB
				Bulk Pack	AC7FDZB BULK

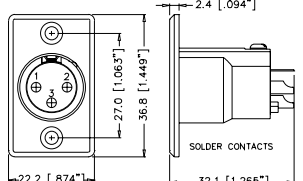
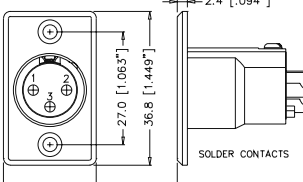
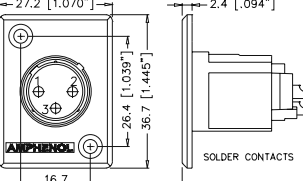
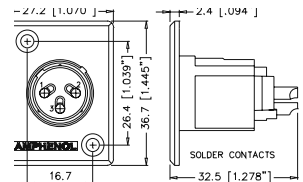
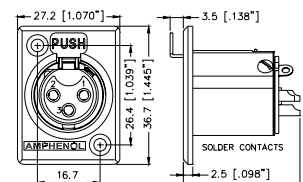
**METAL P TYPE FLANGE -
SOLDER AND PCB**

Features:

- Zinc Diecast shell.
- The P size housing is the original wide flange front mounting XLR connector. PN is the original narrow, front mounting male connector.
- Solder Bucket connections.
- Precision Machined or Stamped contacts (3 pin only).
- Leading first mate last break socket contact.
- Positive latch lock system.

Options: Stamped contacts (3 contact only), Gold plated contacts, Black Finish, Non-Latching (Female only), Bulk Pack.

Part Number Breakdown: [Page 23](#) **Specifications:** [Page 24](#)
PCB Footprints: [Page 25](#) **Panel Cutouts:** [Page 25](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	POLES	PART NUMBER
		2.4 [.094"] 27.0 [1.063"] 36.8 [1.449"] 22.2 [.874"] 32.1 [1.265"]	XLR male, Narrow flange, Machined contacts	3	AC3MMPNZ
		2.4 [.094"] 27.0 [1.063"] 36.8 [1.449"] 22.2 [.874"] 32.1 [1.265"]	XLR male, Narrow flange, Stamped contacts,	3 4 5 6 7	AC3MPNZ AC4MPNZ AC5MPNZ AC6AMPNZ AC7MPNZ
		27.2 [1.070"] 26.4 [1.039"] 36.7 [1.445"] 16.7 [.656"] 31.5 [1.238"]	XLR male, Wide flange, Machined contacts	3	AC3MMP
		27.2 [1.070"] 26.4 [1.039"] 36.7 [1.445"] 16.7 [.656"] 32.5 [1.278"]	XLR male, Wide flange, Stamped contacts	3 4 5 6 7	AC3MP AC4MP AC5MP AC6AMP AC7MP
		27.2 [1.070"] 26.4 [1.039"] 36.7 [1.445"] 16.7 [.656"] 31.0 [1.220"] 3.5 [.138"] 2.5 [.098"]	XLR female, Wide flange, Stamped contacts	3 4 5 6 7	AC3FPZ AC4FPZ AC5FPZ AC6AFPZ AC7FPZ

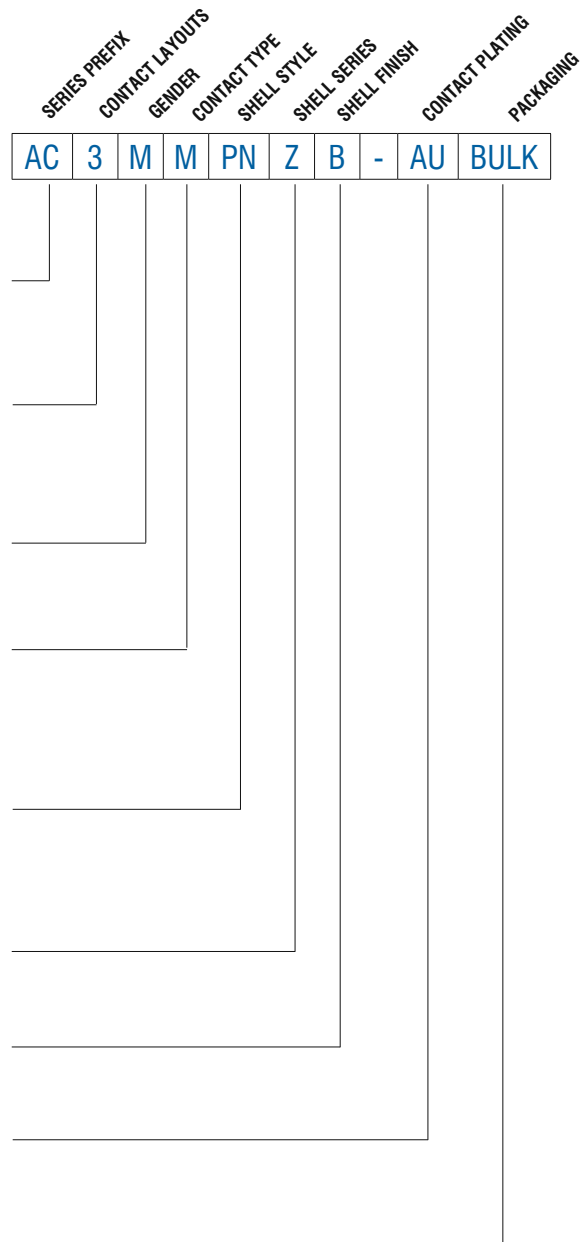
*Black finish available on special request please contact factory.

PART NUMBER BREAKDOWN

METAL TYPE FLANGE

E. G. **AC3MMPNZVB-AU BULK**
AC (Series Prefix), **3** contacts, **Male**, **M**achined Contacts, **PN** (Narrow Flange), **Z** (Metal Chassis Series), **B**lack Polyester Finish, - **AU** (Gold Plated Contacts), **Bulk** Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6A	=	6 Contacts
	7	=	7 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
MACHINED CONTACTS¹	Blank	=	Stamped Contacts
	M	=	Machined Contacts (Applicable 3 male pin contacts only)
SHELL STYLE	D	=	Small Flange (front or rear mounting)
	P	=	Large Shell with Wide Flange
	PN	=	Large Shell with Narrow Flange (male only)
SHELL SERIES	Blank	=	Male P Shell Style Only
	Z	=	Metal Chassis Series
SHELL FINISH²	Blank	=	Nickel Plated Finish
	B	=	Black Polyester Finish
CONTACT PLATING³	Blank	=	Standard Plating (Silver or Tin - refer to Standard Data)
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



Note:

¹ 4 - 7 contact connectors have machined contacts and grounding as standard. They are not available in stamped contacts.

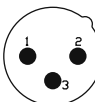
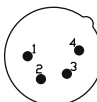
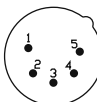
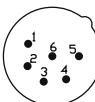
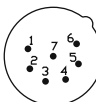
² Ground contacts are not supplied with the black polyester finish shell option.

³ 7 Contact is gold plated as standard.

⁴ Non-Latching Versions (Female) available - Please contact us for part number options.

STANDARD DATA

STANDARD DATA AC SERIES CHASSIS - METAL “Z”

		VALUE				
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6A	7
	Contact Arrangement (Front view of pin inserts)					
	Termination	Solder Bucket / Printed Circuit Board (PCB)				
	Max. Wire Gauge - Stranded wire:					
	Solder	14AWG	16AWG	18AWG	18AWG	20AWG
	Printed Circuit Board - PCB	N/A	N/A	N/A	N/A	N/A
ELECTRICAL CHARACTERISTICS	Flammability rating of plastics	UL94V-0				
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU				
	Service Voltage RMS	133V ¹⁾				
	Test Voltage AC RMS	1400V				
	Current carrying capacity:					
	Solder	15A	10A	7.5A	7.5A	5A
CLIMATIC CHARACTERISTICS	Printed Circuit Board (PCB)	15A	10A	7.5A	7.5A	5A
	Typical Contact Resistance	≤3mΩ				
MECHANICAL CHARACTERISTICS	Insulation Resistance	≥1000MΩ				
	Protection Class	IP40				
MATERIALS	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)				
	Weight - Metal ²⁾	31g (0.068lb)	32g (0.070lb)	33g (0.072lb)	33g (0.072lb)	33g (0.072lb)
	Mechanical Operations	1000 mating cycles				
MATERIALS	Connector Shell	Diecast Zinc Alloy				
	Shell Finish	Satin Nickel or Black Polyester				
	Insulators	UL94V-0 PBT Resin or Modified PPE Resin				
	Male Contact					
	Stamped Solder and PCB-(Material/Plating)	Phosphor Bronze / Silver or Gold (optional)				
	Machined Solder-(Material/Plating)	Brass / Silver or Gold (optional)				
	Female Contact					
	Stamped Solder and PCB-(Material/Plating)	Phosphor Bronze / Tin or Gold (optional)				
	Machined Solder-(Material/Plating)	Brass / Silver or Gold (Optional)				

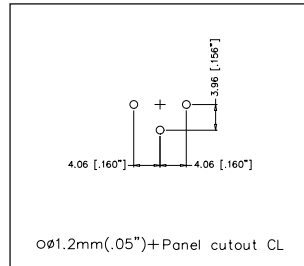
¹⁾ Not suitable for domestic applications above 50V

²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

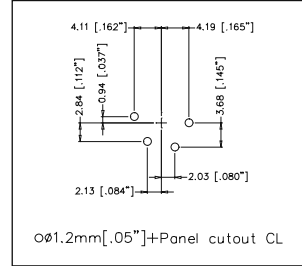
AC SERIES CHASSIS METAL “Z”

PCB FOOTPRINTS STRAIGHT (V)

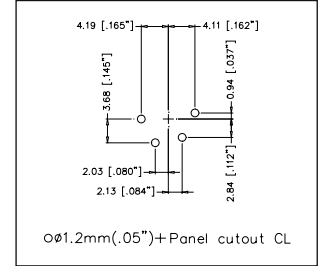
CONNECTOR SIDE OF PCB



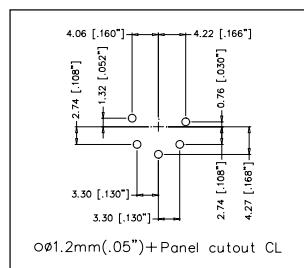
AC3MM*ZV



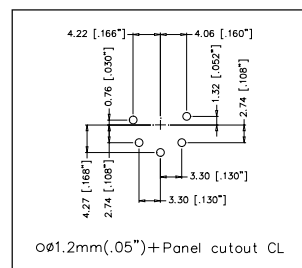
AC4F*ZV



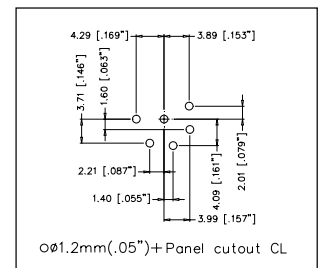
AC4M*ZV



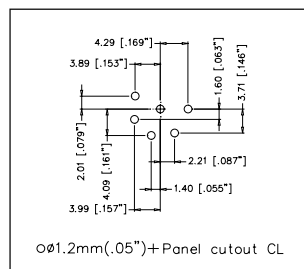
AC5F*ZV



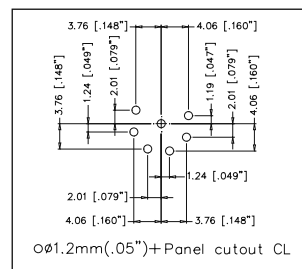
AC5M*ZV



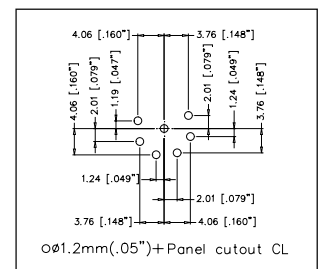
AC6AF*ZV



AC6AM*ZV



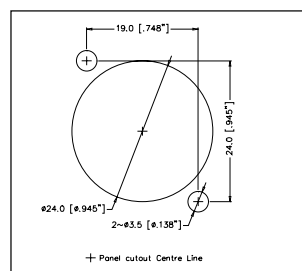
AC7F*ZV



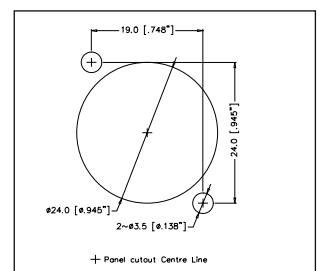
AC7M*ZV

PANEL CUTOUT DIMENSIONS

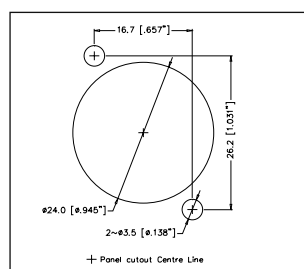
FRONT VIEW



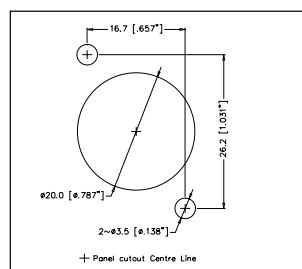
AC*FDZ



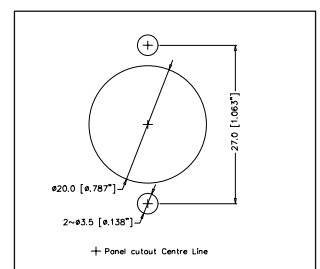
AC*MDZ



AC*FPZ



AC*MP



AC*MPNZ



AC SERIES XLR PCB CHASSIS MOUNT CONNECTORS

The AC series, A and B type XLR chassis receptacles have been designed and manufactured with the Original Equipment Manufacturers' (OEM) needs in mind. The compact shell design allows a significant space saving over the traditional 'D' type shell. Gold plated contacts improve the performance, ensuring a reliable contact and the unique grounding link options offer flexibility in design.

Features

- A leading first mate last break socket contact is standard on all female connectors (Pin 1).
- Vertical and Horizontal PCB versions available.
- Latching and Non-latching versions available.
- A range of different grounding options are available including:
 - Mating connector shell to Pin 1
 - Mating connector shell to Chassis
 - Mating connector shell to pin 1 to Chassis
- A type is available in 3, 4 or 5 contacts.
- B type is available in 3 contact only.
- Compatible with all other XLR brands.
- Metal Mounting Flange (B type)

Options

- Vertical PCB contacts
- Horizontal PCB contacts
- Precision Machined Pin contacts
- Cost effective Stamped Socket contacts
- Gold Plated contacts (Standard)
- Silver Plated contacts (Optional)
- Bulk Packaging
- Integrated Switch

Ordering Codes

We have listed the more common ordering codes in each section. For further options please refer to the part number breakdown charts. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

**THERMOPLASTIC A -
TYPE FLANGE 3 CONTACT**
**Features:**

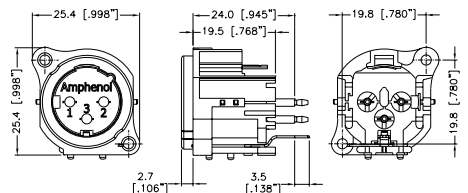
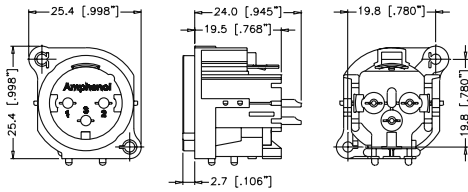
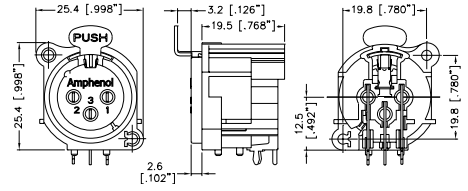
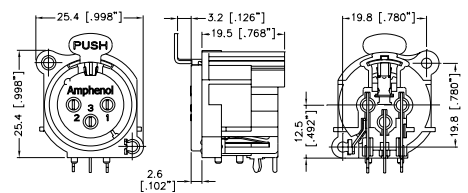
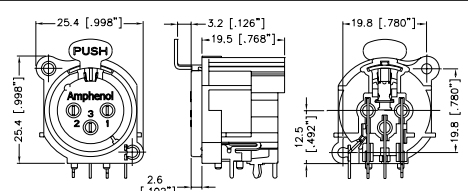
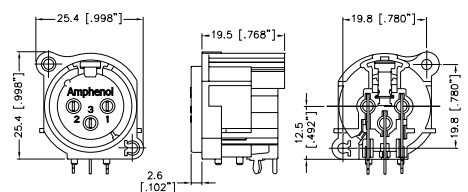
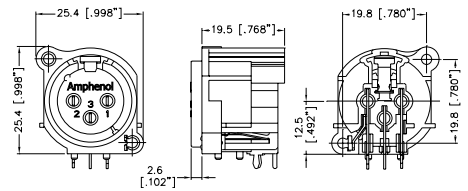
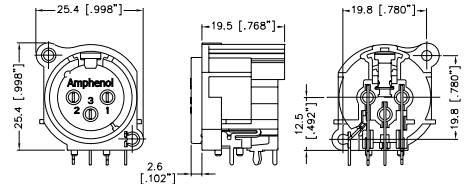
- Thermoplastic Shell
- Industry standard PCB footprints.
- Vertical or Horizontal PCB mounting.
- Precision machined pin contacts.
- Gold plated contacts.
- Leading first mate last break socket contact.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system.

Options: Vertical or Horizontal PCB, Various grounding methods, Latching or Non-Latching.

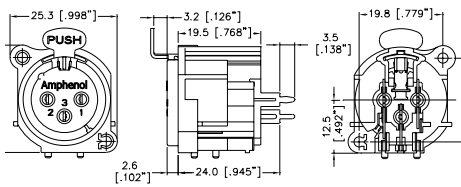
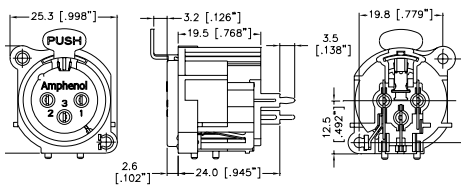
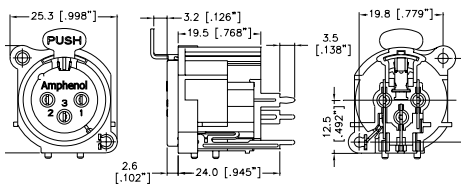
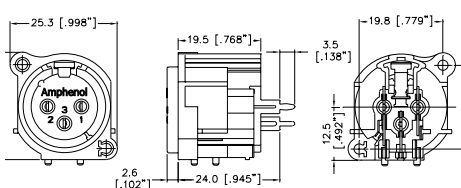
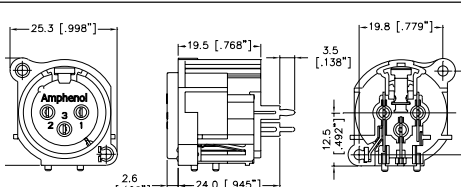
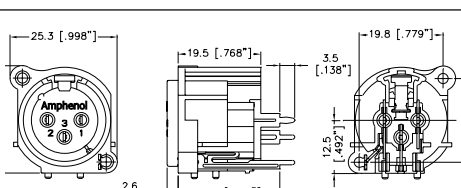
Part Number Breakdown: [Page 35](#) **Specifications:** [Page 38](#)
PCB Footprints: [Page 39](#) **Panel Cutouts:** [Page 40](#)
Recommended Fastener: [Page 135](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAH-AU-PRE
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3MAH1-AU-PRE
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAH2-AU-PRE
			XLR 3 pole male with integrated switch, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC3MAH4-SW-B
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MAV-AU-PRE

THERMOPLASTIC A TYPE FLANGE

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3MAV2-AU-PRE
			XLR 3 pole male, Solder Buckets, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3MA-AU-B
			XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAH-AU-PRE
			XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAH1-AU-PRE
			XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC3FAH2-AU-PRE
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAHL-AU-PRE
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to mating connector shell	AC3FAHL1-AU-PRE
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAHL2-AU-PRE

THERMOPLASTIC A TYPE FLANGE

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	GROUND LINK VARIATIONS	PART NUMBER
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAV-AU-PRE
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAV1-AU-PRE
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAV2-AU-PRE
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	No Ground Link	AC3FAVL-AU-PRE
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Pin 1 to Chassis to Mating connector shell	AC3FAVL1-AU-PRE
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground.	AC3FAVL2-AU-PRE

METAL B - TYPE FLANGE 3 CONTACT

Features:

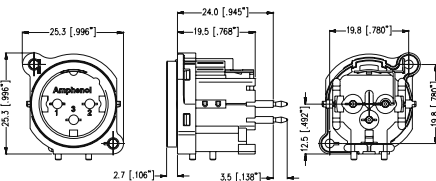
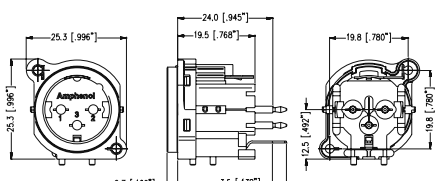
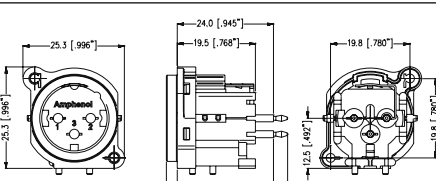
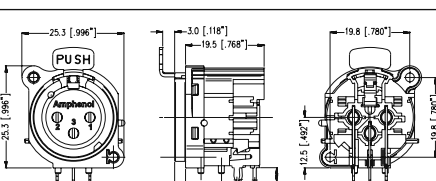
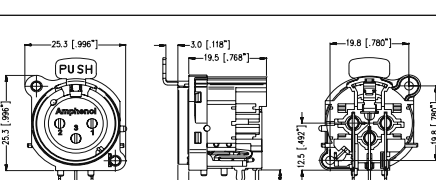
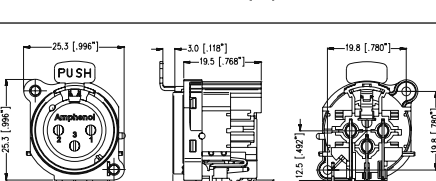
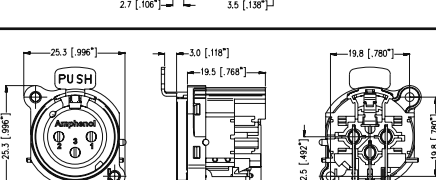
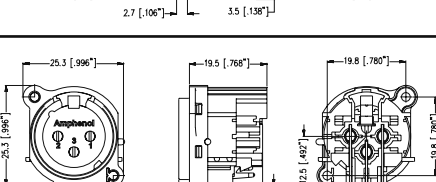
- Thermoplastic Shell with Metal Mounting Flange.
- Industry standard PCB footprints.
- Improved grounding performance.
- Vertical or Horizontal PCB mounting.
- Precision machined pin contacts.
- Gold plated contacts.
- Leading first mate last break socket contact.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system.

Options: Silver plated contacts, Vertical or Horizontal PCB, Various grounding methods, Latching or Non-Latching.

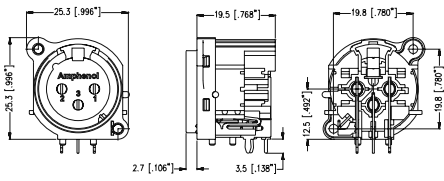
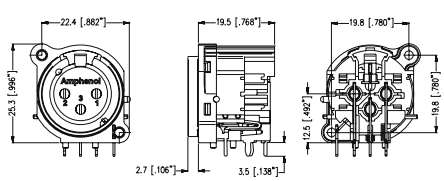
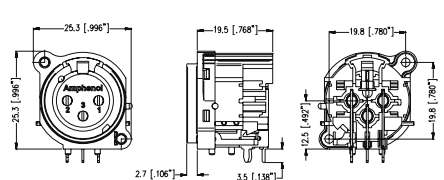
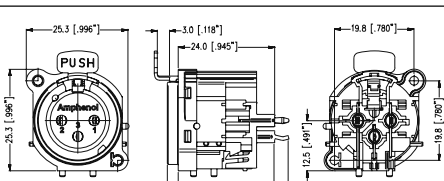
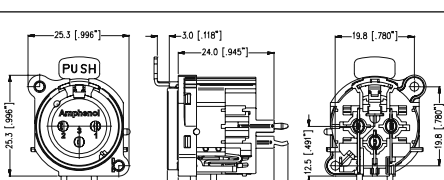
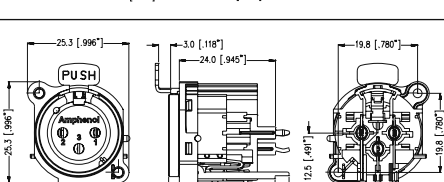
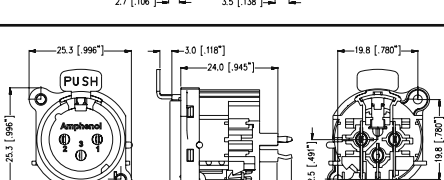
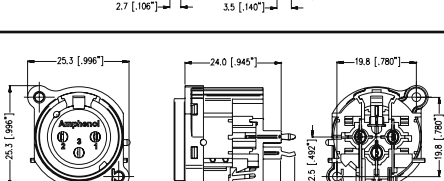
Part Number Breakdown: [Page 35](#) **Specifications:** [Page 38](#)
PCB Footprints: [Page 39](#) **Panel Cutouts:** [Page 40](#)
Recommended Fastener: [Page 135](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBH-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBH1-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3MBH2-AU-B
			XLR 3 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBH3-AU-B
			XLR 3 pole male, Horizontal PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBHL-AU-B
			XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3MBV-AU-B

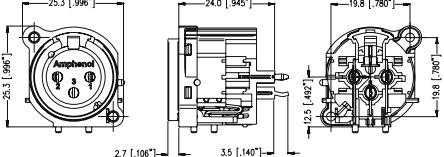
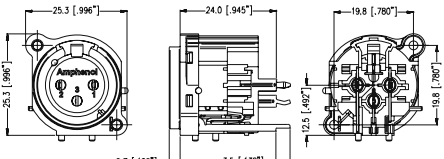
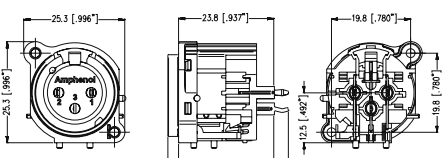
METAL B TYPE FLANGE

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3MBV1-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3MBV2-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"]	XLR 3 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack Mating connector shell to Pin 1	Nickel Finish	AC3MBV3-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBH-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3FBH1-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground	Nickel Finish	AC3FBH2-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"]	XLR 3 pole female, Horizontal PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBH3-AU-B
		24.0 [.945"] 19.5 [.768"] 19.8 [.780"] 25.3 [.996"] 25.3 [.996"] 2.7 [.106"] 3.5 [.138"] 12.5 [.492"] 19.8 [.780"]	XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBHL-AU-B

METAL B TYPE FLANGE

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish	AC3FBHL1-AU-B
			XLR 3 pole female, Horizontal PCB, Non- Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBHL2-AU-B
			XLR 3 pole female, Horizontal PCB, Non-Latching Type Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBHL3-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBV-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to mating connector shell	Nickel Finish	AC3FBV1-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis - Pin 1 sep. Ground.	Nickel Finish	AC3FBV2-AU-B
			XLR 3 pole female, Vertical PCB, Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBV3-AU-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack No Ground Link	Nickel Finish	AC3FBVL-AU-B

METAL B TYPE FLANGE

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION/ GROUND LINK	MOUNTING FLANGE VARIATIONS	PART NUMBER
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis to Mating connector shell	Nickel Finish	AC3FBVL1-AU-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Mating connector shell to Chassis-Pin 1 sep. Ground.	Nickel Finish	AC3FBVL2-AU-B
			XLR 3 pole female, Vertical PCB, Non-Latching Type, Gold Plated Contacts, Bulk Pack Pin 1 to Chassis	Nickel Finish	AC3FBVL3-AU-B

THERMOPLASTIC A - TYPE FLANGE
4 / 5 CONTACT

Features:

- 4 / 5 contacts.
- Thermoplastic Shell
- Industry standard PCB footprints.
- Vertical or Horizontal PCB mounting.
- Precision machined pin contacts.
- Gold plated contacts.
- Leading first mate last break socket contact.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system.

Options: Vertical or Horizontal PCB,

Part Number Breakdown: Page 37 **Specifications:** Page 38
PCB Footprints: Page 39 **Panel Cutouts:** Page 40
Recommended Fastener: Page 135

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		25.0 [.984"] 19.5 [.768"] 19.8 [.780"] 25.0 [1.06"] 2.7 [.106"] 12.5 [.492"]	XLR 4 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis - Pin 1 sep. Ground	AC4MAH-AU-B
		19.8 [.780"] 19.0 [.748"] 25 [.984"] 19.8 [.780"] 3.5 [.138"] 12.5 [.492"] 2.7 [.106"]	XLR 5 pole male, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAH-AU-B
		19.8 [.780"] 24 [.945"] 25 [.984"] 19.8 [.780"] 27.5 [1.083"] 2.7 [.106"] 12.5 [.492"]	XLR 5 pole male, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5MAV-AU-B
		19.8 [.780"] 19.5 [.768"] 3.2 [.125"] 19.8 [.780"] 3.5 [.138"] 12.5 [.492"] 2.7 [.106"]	XLR 5 pole female, Horizontal PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAH-AU-B
		19.8 [.780"] 19.5 [.768"] 3.2 [.125"] 19.8 [.780"] 24 [.945"] 2.7 [.106"] 12.5 [.492"]	XLR 5 pole female, Vertical PCB, Gold Plated Contacts, Bulk Pack	Mating connector shell to Chassis to PCB, Pin 1 sep. Ground	AC5FAV-AU-B

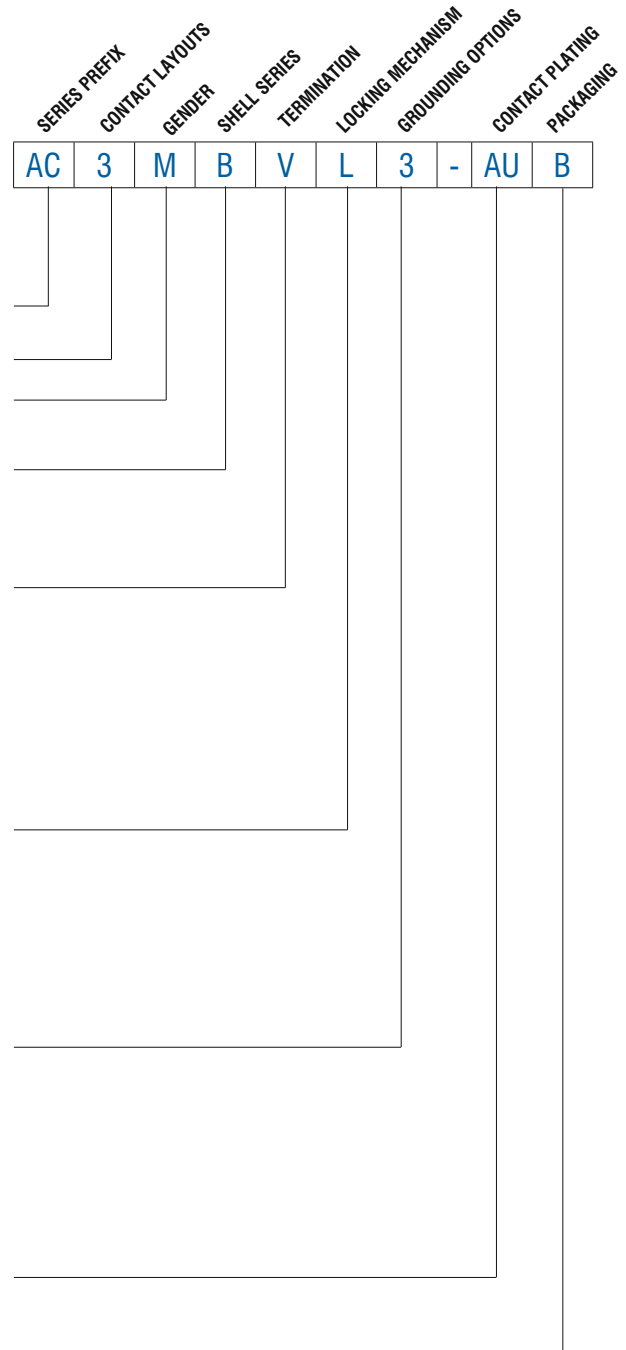
A AND B TYPE FLANGE

PART NUMBER BREAKDOWN

AC SERIES A AND B TYPE MALE - 3 CONTACT

E. G. **AC3MAVL3-AU B**
AC (series prefix), **3** contacts, **M**ale, **A** Type, **V**ertical Printed Circuit Board, **L**atchless, **3** (Mating Shell to Pin 1 Grounding), **- AU** (Gold Plated Contacts), **B**ulk Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contact only
GENDER	M	=	Male Socket Contacts
SHELL SERIES	A	=	A Type
	B	=	B Type
TERMINATION	H	=	Horizontal Printed Circuit Board
	V	=	Vertical Printed Circuit Board
	Blank	=	Solder Bucket Contacts
MOUNTING FLANGE FINISH (B TYPE ONLY)	Blank	=	Nickel
LOCKING MECHANISM	Blank	=	Latching
	L	=	Latchless
GROUNDING LINK OPTIONS	Blank	=	No Ground Link
	1	=	Pin 1 to Chassis to mating connector shell
	2	=	Mating Connector shell to Chassis, Pin 1 to separate ground
	3	=	Mating connector to Pin 1
	4	=	Mating connector to Shell to Chassis to PCB, Pin 1 separate ground
CONTACT PLATING	AU	=	Gold Plated Contacts
	AG	=	Silver Plated Contacts (Non-Standard)
PACKAGING	PRE	=	Bulk Packed
	PRD	=	Disassembled push latch

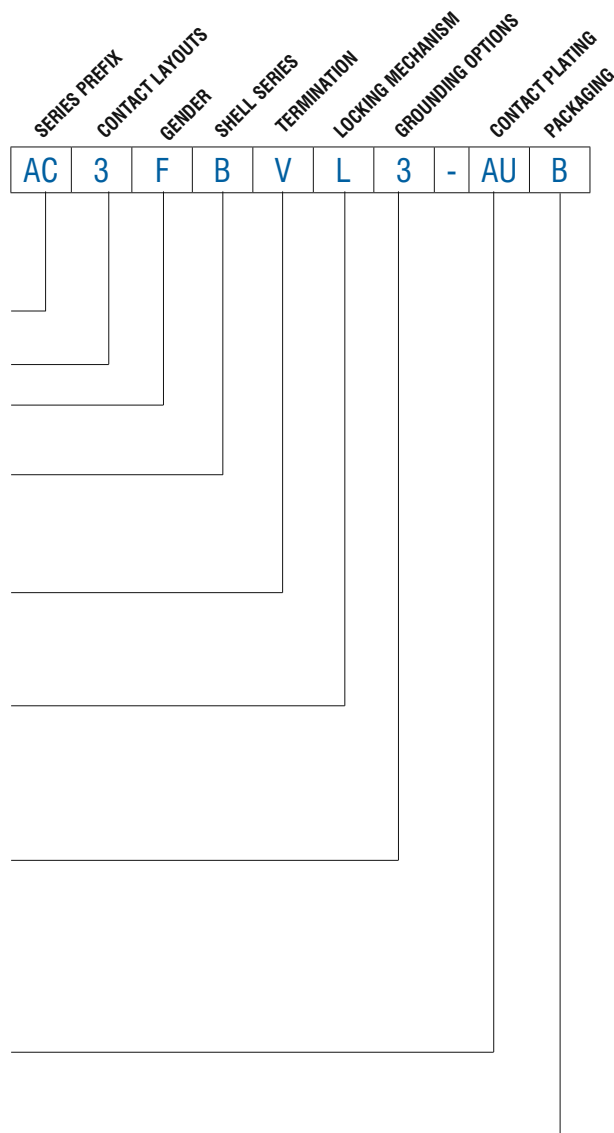


PART NUMBER BREAKDOWN

AC SERIES A AND B TYPE FEMALE - 3 CONTACT

E. G. **AC3MAVL3-AU B**
AC (series prefix), **3** contacts, **F**emale, **A** Type, **V**ertical Printed Circuit Board, **L**atchless, **3** (Pin 1 to Chassis Grounding), - **AU** (Gold Plated Contacts), **B**ulk Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	3	=	3 Contact only
GENDER	F	=	Female Socket Contacts
SHELL SERIES	A	=	A Type
	B	=	B Type
TERMINATION	H	=	Horizontal Printed Circuit Board
	V	=	Vertical Printed Circuit Board
LOCKING MECHANISM	Blank	=	Latching
	L	=	Latchless
GROUNDING LINK OPTIONS	Blank	=	No Ground Link
	1	=	Pin 1 to Chassis to mating connector shell
	2	=	Mating Connector shell to Chassis, Pin 1 to separate ground
	3	=	Pin 1 to Chassis
CONTACT PLATING	AU	=	Gold Plated Contacts
	AG	=	Silver Plated Contacts (Non-Standard)
PACKAGING	PRE	=	Bulk Packed
	PRD	=	Disassembled push latch

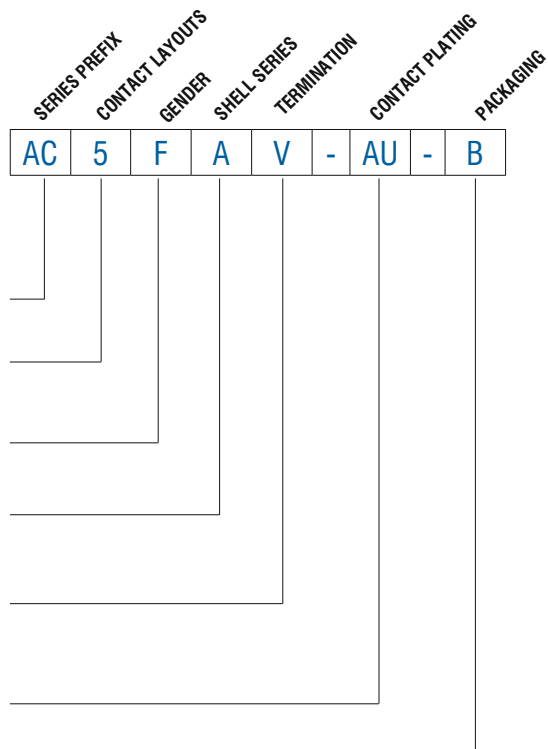


PART NUMBER BREAKDOWN

AC SERIES A TYPE MALE AND FEMALE - 4 / 5 CONTACT

E. G. **AC5FAV-AU-B**
AC (series prefix), **5** contacts, **F**emale, **A** Type, **V**ertical Printed Circuit Board, **AU**
 (Gold Plated Contacts) - **B**ulk Packaged.

SERIES PREFIX	AC	=	Series Prefix
CONTACT LAYOUT	4	=	4 Contact
	5	=	5 Contact
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
SHELL SERIES	A	=	A Type
TERMINATION	H	=	Horizontal Printed Circuit Board
	V	=	Vertical Printed Circuit Board
CONTACT PLATING	AU	=	Gold Plated Contacts
PACKAGING	B	=	Bulk Packed



STANDARD DATA AC SERIES A AND B TYPE CHASSIS

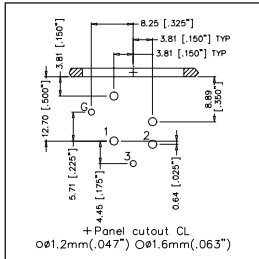
		VALUE		
GENERAL CHARACTERISTICS	Number of contacts	3	4	5
	Contact Arrangements (Front view of pin insert)			
	Termination	Printed Circuit Board (PCB)		
	Flammability rating of plastics	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹		
	Test Voltage AC RMS	1500V		
	Current carrying capacity	6A		3A
	Typical Contact Resistance	≤5mΩ		
	Insulation Resistance (initial)	≥2GΩ		
	Insulation Resistance (after damp heat test)	≥1GΩ		
CLIMATIC CHARACTERISTICS	Protection Class	IP40		
	Operating Temperature	-25°C to +75°C (-13°F to +167°F)		
MECHANICAL CHARACTERISTICS	Weight ²	14g (0.030lb)		
	Retention Spring separating force	≥20N		
	Mounting Screw torque max.	1.5Nm		
	Mechanical Operations	1500 mating cycles		
	Fastening A Type Connectors ³	Self-Tapping PT screw with thread 2.9 x 1.06 and of Tri-rondular configuration		
	Fastening B Type Connectors ³	Self-Tapping screw M2.5		
MATERIALS	Connector Flange - B-Type	Diecast Zinc Alloy		
	Flange Finish - B-Type	Nickel		
	Insulators	PA6.6 + 25% glass fibre reinforced, UL94V-0		
	Male Contact Material	Brass		
	Male Contact Plating	0.05μm gold over 2μm nickel		
	Female Contact Material	Bronze		
	Female Contact Plating	0.05μm gold over 2μm nickel		
	Latch lock and Spring	Spring Steel		
	Ground element	Spring Steel		

¹ Not suitable for domestic applications above 50V

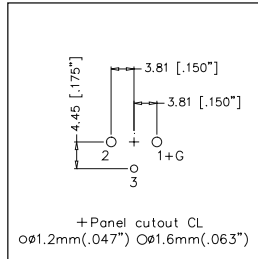
² Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

³ Refer to page 135

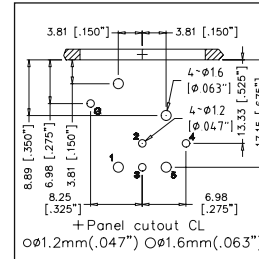
AC SERIES A AND B TYPE CHASSIS PCB FOOTPRINTS - CONNECTOR SIDE OF PCB



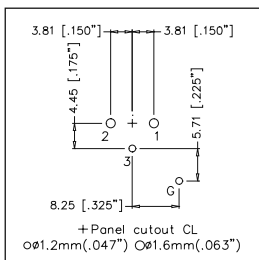
**AC3FAH2
AC3FBH2**



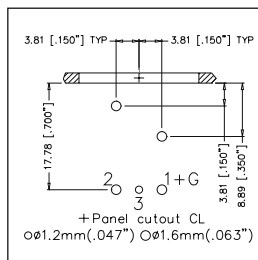
**AC3FAV1
AC3FAV3
AC3FBV1
AC3FBV3
AC3FAV
AC3FBV**



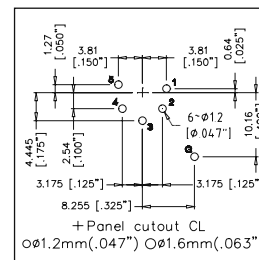
AC5FAH



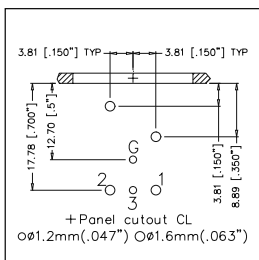
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AC3FBV2**



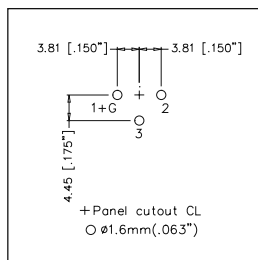
**AC3MAH1
AC3MAH3
AC3MBH1
AC3MAH
AC3MBH
AC3MBHL**



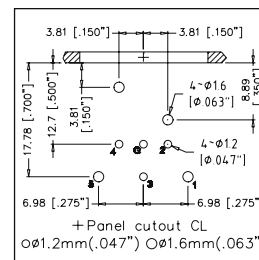
AC5FAV



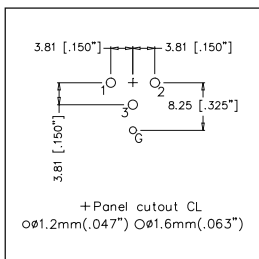
**AC3MAH2
AC3MAH4
AC3MBH2**



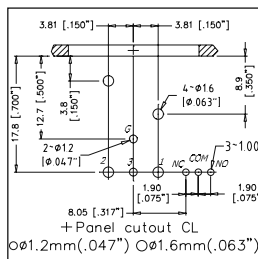
**AC3MAV1
AC3MAV3
AC3MBV1
AC3MBV3
AC3MAV
AC3MBV**



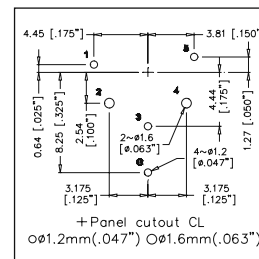
AC5MAH



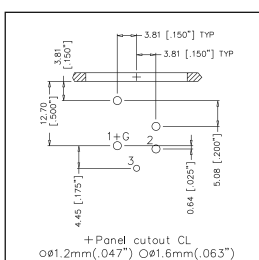
**AC3MAV2
AC3MAV4
AC3MBV2**



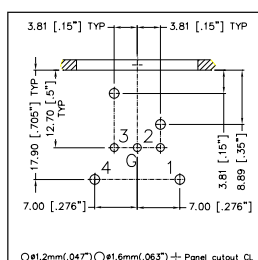
AC3MAH4SWB



AC5MAV



**AC3FAH1
AC3FAH3
AC3FBH1
AC3FBH3
AC3FAH
AC3FBH**

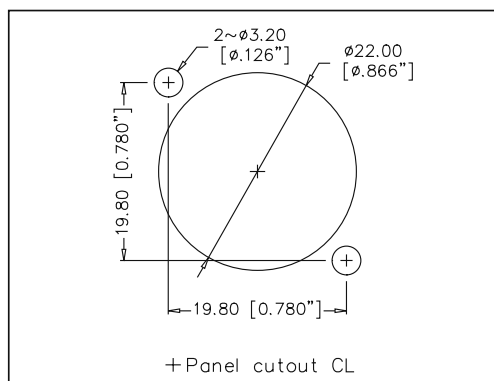


AC4MAH

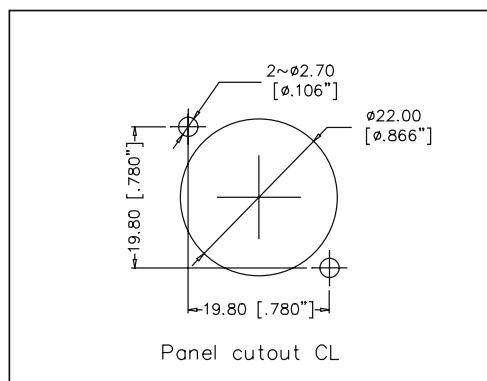
A AND B TYPE FLANGE

AC SERIES A AND B TYPE CHASSIS PANEL CUTOUT DIMENSIONS - FRONT VIEW

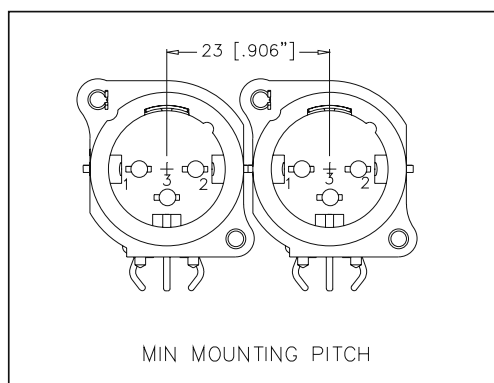
A TYPE



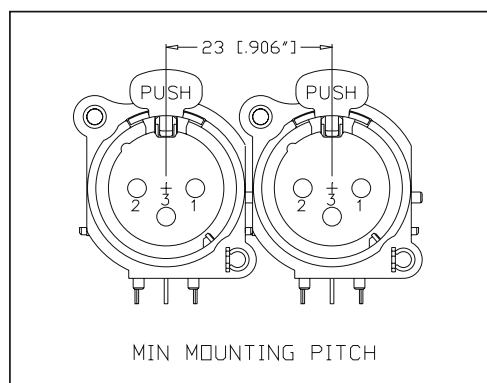
B TYPE



A AND B
TYPE MALE
MOUNTING
PITCH



A AND
B TYPE
FEMALE
MOUNTING
PITCH



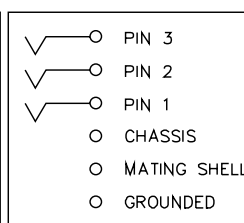
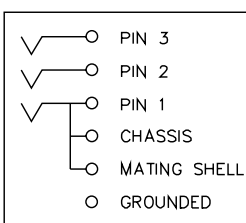
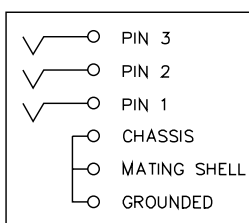
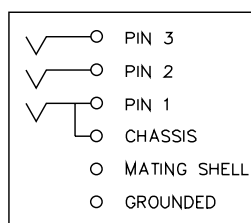
AC3FA/BH/V SCHEMATIC CHART

AC3FA/BH/V3-AU
AC3FA/BH/VL3-AU

AC3FA/BH/V2-AU
AC3FA/BH/VL2-AU

AC3FA/BH/V1-AU
AC3FA/BH/VL1-AU

AC3FA/BH/V-AU
AC3FA/BH/VL-AU

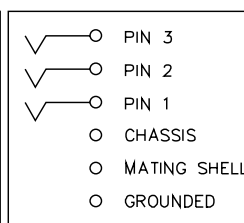
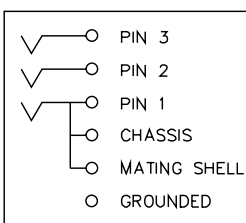
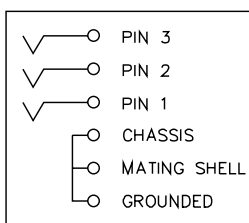
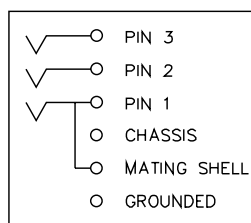


AC3MA/BH/V3-AU
AC3MA/BH/VL3-AU

AC3MA/BH/V2/4-AU
AC3MA/BH/VL2/4-AU

AC3MA/BH/V1-AU
AC3MA/BH/VL1-AU

AC3MA/BH/V-AU
AC3MA/BH/VL-AU





AC SERIES DUAL 1/4" (6.35mm) / XLR

The AC Series C type chassis receptacles feature two connectors in the one space saving housing. A combined XLR female receptacle together with a 6.35mm (1/4") phone jack give the designer more flexibility ensuring premium board space is saved. The new low profile high density C type offers a 15% space saving over the traditional C type. Various configurations are available in either stereo or mono layouts with Vertical, Horizontal Printed Circuit Board or Solder contacts.

Ordering Codes

We have listed the more common ordering codes in each section. For further options please refer to the part number breakdown charts. Please contact us if you need any further assistance.

Features

- Standard or low profile / high density shell design
- Two connectors in the one housing.
- Industry standard PCB footprint layout on standard C type.
- Vertical or Horizontal PCB mounting.
- Bulk packed.
- Positive latch lock system (XLR).

Options

- Solder contacts
- Vertical PCB contacts
- Horizontal PCB contacts
- Bulk Packaging
- Overmoldable connector housing

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

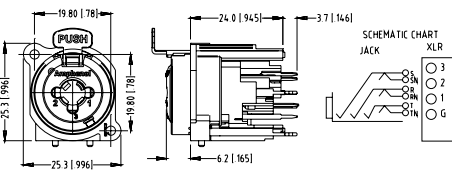
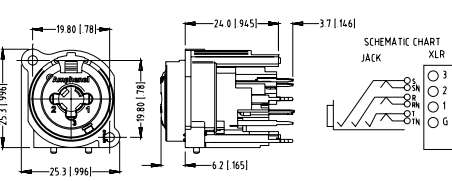
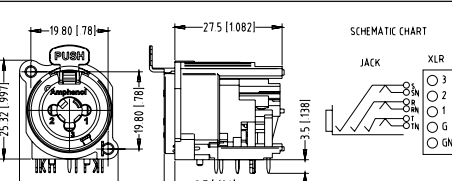
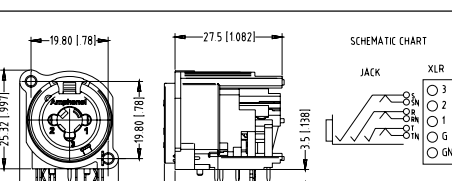
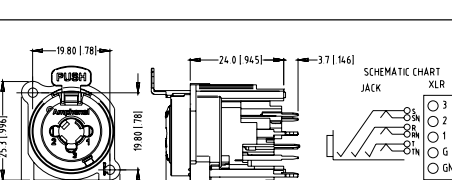
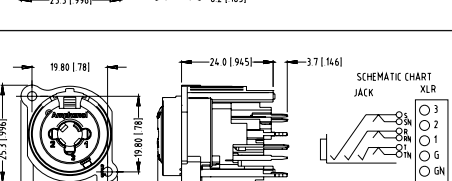
**C - TYPE LOW PROFILE DUAL
JACK / XLR CONNECTORS**
**Features:**

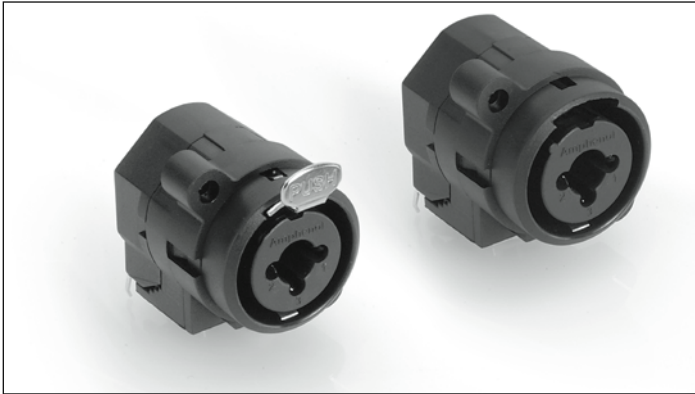
- Two connectors in the one housing.
- Low profile design offers a 15% space saving over the traditional design.
- Vertical or Horizontal PCB mounting.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system (XLR).

Part Number Breakdown: Page 47
Specifications: Page 49
PCB Footprints: Page 48
Recommended Fastener: Page 135

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6AH BULK
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6AHL BULK
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6AV2 BULK
			Low Profile XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6AV2L BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9AH BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AHL BULK

THERMOPLASTIC C TYPE SERIES

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9AV2 BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9AV2L BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10AH BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10AHL BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10AV2 BULK
			Low Profile XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10AV2L BULK

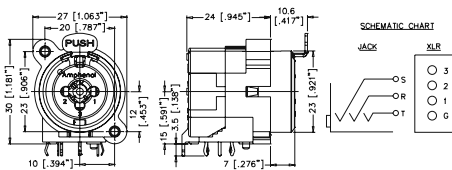
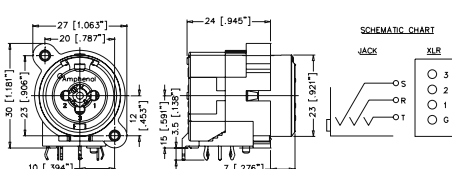
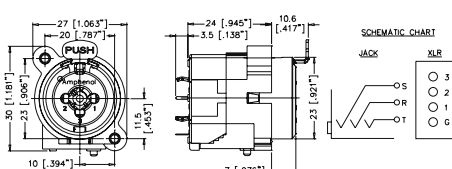
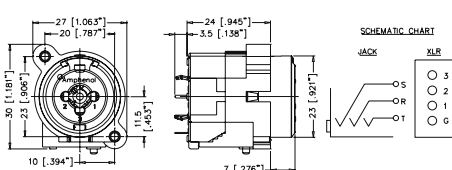
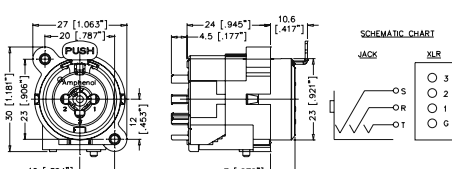
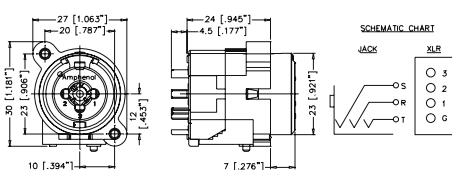
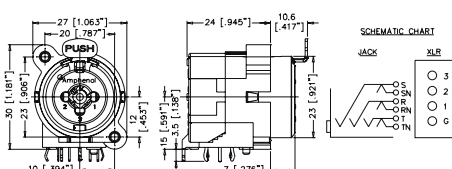
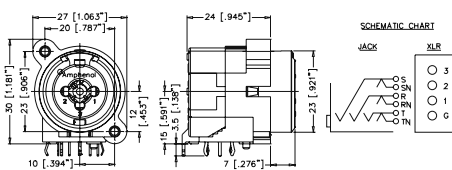
**C - TYPE DUAL JACK /
XLR CONNECTORS**

Features:

- Two connectors in the one housing.
- Space saving design.
- Industry standard PCB footprint layout.
- Vertical or Horizontal PCB mounting.
- Bulk packed in trays, 100 to a box as standard.
- Positive latch lock system (XLR).

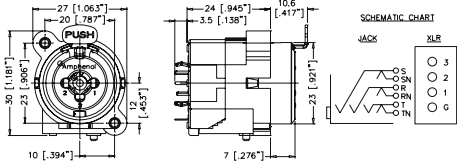
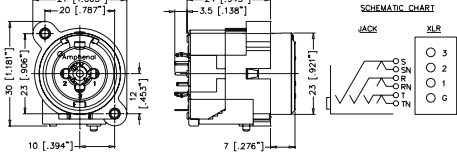
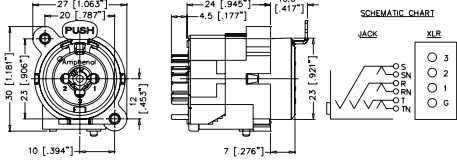
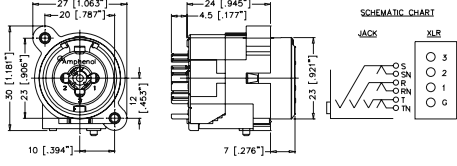
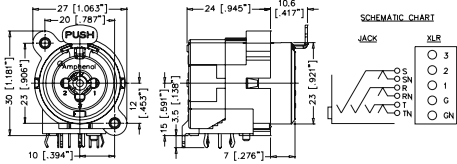
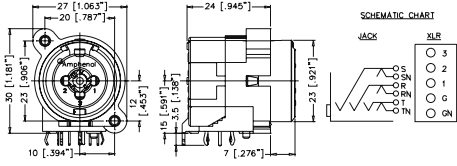
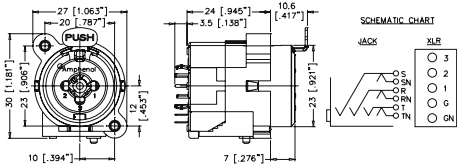
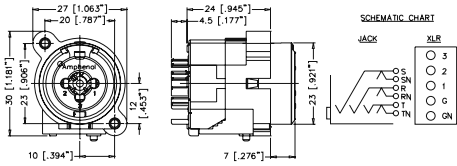
Part Number Breakdown: Page 47
Specifications: Page 49
PCB Footprints: Page 48
Recommended Fastener: Page 135

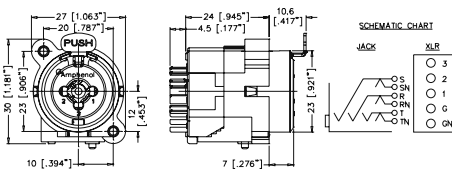
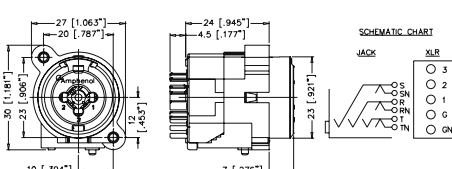
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC5H BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5HL BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC5V BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC5VL BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC5S BULK
			XLR 3 pole female receptacle with 1/4" mono jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC5SL BULK

THERMOPLASTIC C TYPE SERIES

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC6H BULK
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6HL BULK
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Latching	ACJC6V BULK
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC6VL BULK
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Latching	ACJC6S BULK
			XLR 3 pole female receptacle with 1/4" stereo jack without switching contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC6SL BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Latching	ACJC9H BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9HL BULK

THERMOPLASTIC C TYPE SERIES

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Latching	ACJC9V BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC9VL BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Latching	ACJC9S BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC9SL BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Latching	ACJC10H BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Horizontal PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10HL BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Latching	ACJC10V BULK
			XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Vertical PCB mount, Bulk Pack	Non-latching, Retention Spring	ACJC10VL BULK

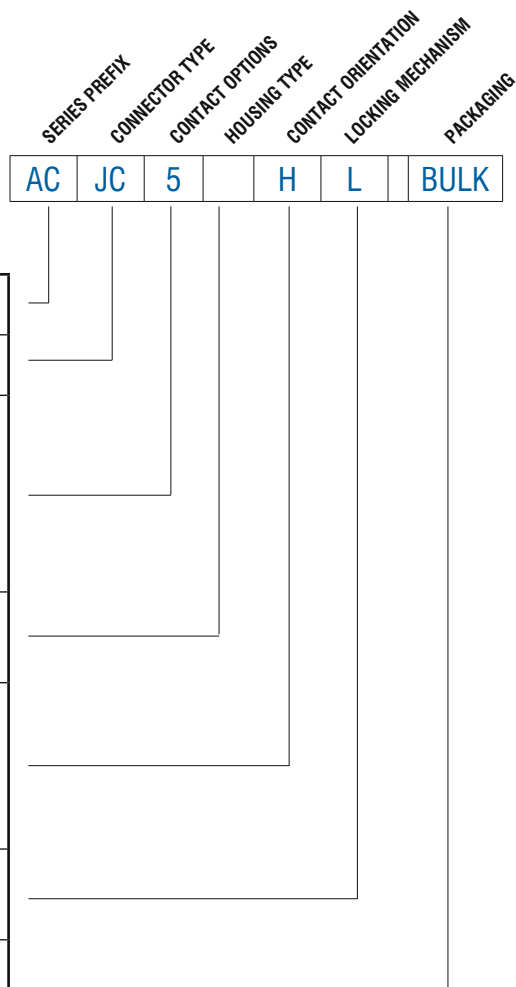
PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Latching	ACJC10S BULK
		XLR 3 pole female receptacle with 1/4" switching stereo jack and switching ground contact, Solder Contacts, Bulk Pack	Non-latching, Retention Spring	ACJC10SL BULK

PART NUMBER BREAKDOWN

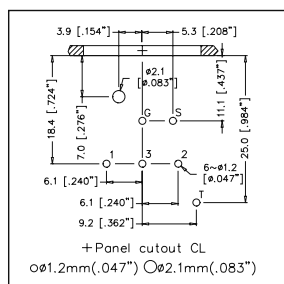
AC SERIES THERMOPLASTIC C TYPE

E. G. **ACJC5HL BULK**
AC (Series Prefix), **JC** Jack/Connector XLR, **5** Mono, **H**orizontal Printed Circuit Board, **L**atchless, **BULK** Packaged.

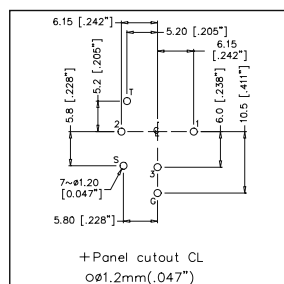
SERIES PREFIX	AC	=	Series Prefix
CONNECTOR TYPE	JC	=	Jack / Connector XLR
CONTACT OPTIONS	5 6 9 10	=	Mono, Non Switching, XLR Grounded Stereo, Non Switching, XLR Grounded Stereo, Switching, XLR Grounded Stereo, Switching, XLR with Ground Switch
HOUSING TYPE	Blank A	=	Standard Low Profile / High Density
CONTACT TYPE	V V2 H S	=	Vertical Printed Circuit Board Vertical Printed Circuit Board (24mm) Horizontal Printed Circuit Board Solder Contacts
LOCKING MECHANISM	Blank L	=	Latching Latchless
PACKAGING	Blank BULK	=	Individual Bags Bulk Packed



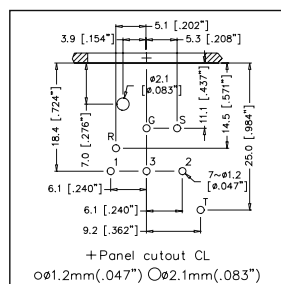
AC SERIES C TYPE SERIES



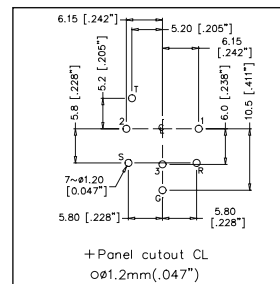
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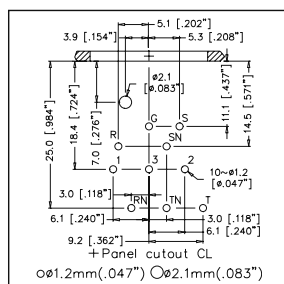
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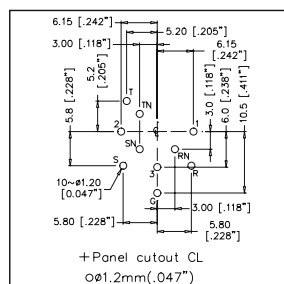
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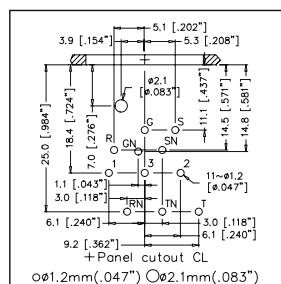
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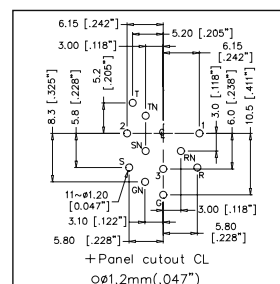
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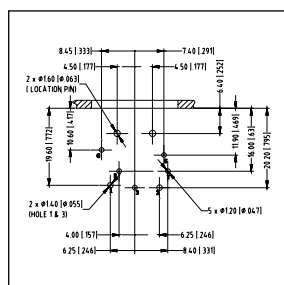
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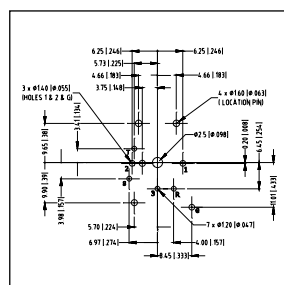
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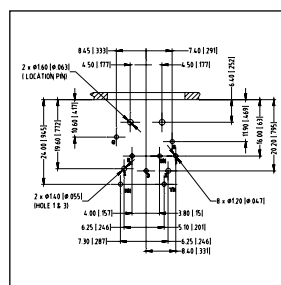
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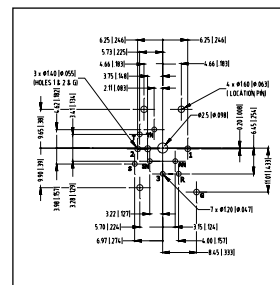
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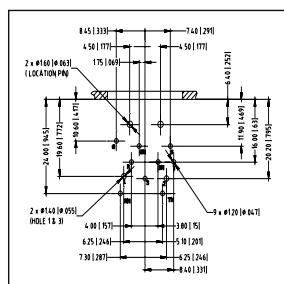
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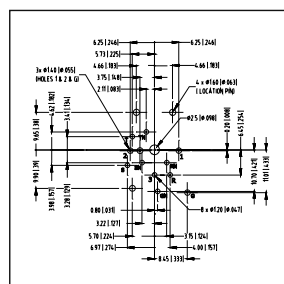
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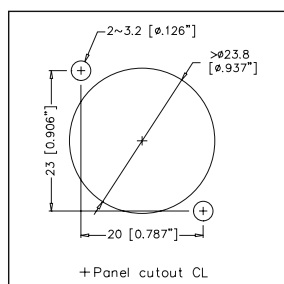
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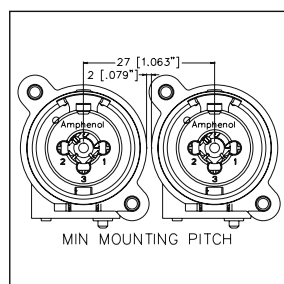
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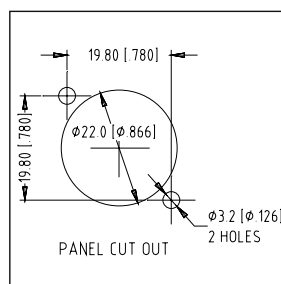
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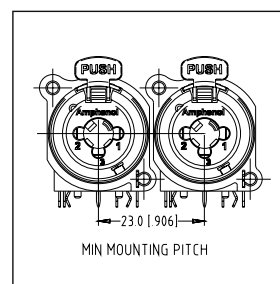
C TYPE PANEL CUTOUT



C TYPE MOUNTING PITCH



C TYPE LOW PROFILE PANEL CUTOUT



C TYPE LOW PROFILE MOUNTING PITCH

STANDARD DATA C TYPE CHASSIS RECEPTACLES

		VALUE	
		LOW PROFILE TYPE	STANDARD C TYPE
GENERAL CHARACTERISTICS	Number of contacts	5, 6, 9 or 10	
	Termination	Printed Circuit Board (PCB)	Printed Circuit Board (PCB) or Solder Bucket
	Flammability	UL 94HB	
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	50V	
	Test Voltage AC RMS	1500V	
	Current carrying capacity	7.5A	
	Typical Contact Resistance	≤50mΩ	
	Insulation Resistance (initial)	> 0.5GΩ	
	Insulation Resistance (after damp heat test)	> 0.2GΩ	
CLIMATIC CHARACTERISTICS	Protection Class	IP40	
	Operating Temperature	-25°C to +70°C	
MECHANICAL CHARACTERISTICS	Weight**	9.2g (0.02lb)	14g (0.030lb)
	Retention Spring separating force	≥20N	
	Mounting Screw torque max.	1.5Nm	
	Mechanical Operations	1500 mating cycles	
	Fastening***	Self-Tapping PT screw with thread 2.9 x 1.06 and of Tri-rondular configuration	
MATERIALS	Connector Shell	PA6.6 + 30% glass fibre reinforced, UL94HB	PA6.6 + 20% glass fibre reinforced, UL94HB
	Shell Finish		Black
	Insulators	PA6.6 glass fibre reinforced, UL94HB	PA6.6 + 20% glass fibre reinforced, UL94HB
	XLR Contact		
	Material	Bronze	
	Plating	Gold over Nickel plated	
	Jack Contact		
	Material	Bronze	Brass
	Plating	Gold over Nickel plated	Silver over Copper plated
	Latch lock and Spring	Nickel Plated	
	Ground element	Nickel Plated	Silver over Copper plated

**Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.

***Refer to Page 135

Rev 6 - 03/2013

HIGH POWER / LOUDSPEAKER CONNECTORS

SP/HP/EP/ AP SERIES HIGH POWER / LOUDSPEAKER CONNECTORS



SP Series

The SP Series are available in 2 or 4 pole chassis mount connectors. The durable thermoplastic housings are fitted with high power contacts to ensure optimal current carrying capacity. Completely intermatable with industry standard loudspeaker connections.

Features

- High current contacts for distortion free signal.
- Cost effective durable thermoplastic shell
- Available in 2 and 4 contact arrangements.
- Overmolded cable support boot or PG gland with or without cable support strain relief.
- Quick release, vibration resistant latch lock.
- UL, cUL recognized components (File no. E339831)
- Precision machined contacts
- Thermoplastic shell

Options

- Solder termination / Tab or Printed Circuit Board versions, Screw Terminals
- Nickel Plated Zinc Alloy shell
- Black finished Zinc Alloy shell

HP Series

The HP Series connectors are suitable for power applications where a latch locking connector is required. They are rated at 25A / 250Vac.

Features

- Quick release, vibration resistant latch lock.
- Power connectors colour coded and keyed for power-in (Blue) and power-out (Grey)
- UL, cUL recognized components (File no. E339831)
- Precision machined contacts

EP Series

The EP Series incorporates a rugged zinc diecast shell to give it maximum durability when used in demanding situations. The EP cable connector cable flex relief design minimises cable bend stress at point of entry into the connector housing.

Features

- High current contacts for distortion free signal.
- Tough, durable zinc diecast shell
- Cable clamp capable of supporting cables from 9mm (0.35") to 16mm (0.63") in diameter.
- Quick release, vibration resistant latch lock.
- AP & EP series are completely intermatable.
- Precision machined contacts

Options

- Nickel Plated Zinc Alloy shell
- Black finished Zinc Alloy shell
- Available in 3, 4, 5, 6 and 8 contact arrangements

AP Series

The AP Series Shell is manufactured from tough, durable thermoplastic, and ideal for fixed indoor installations. Both the EP and AP Series utilise the same contact and insulator components.

Features

- High current contacts for distortion free signal.
- Cost effective durable thermoplastic shell
- Quick release, vibration resistant latch lock.
- AP & EP series are completely intermatable.
- Precision machined contacts
- Thermoplastic shell

Options

- Available in 4, 5, 6, and 8 contact arrangements.

Ordering Codes

We have listed the more common ordering codes in each section. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

SP SERIES LOUDSPEAKER CONNECTORS


Amphenol's range of loudspeaker connectors have been further enhanced with the introduction of the SP Series. Designed to complement the popular EP/AP Series, we now offer a range of loudspeaker connectors to suit most applications. SP Series chassis connectors are available in industry standard PCB footprints with solder tabs. SP Series cable plugs are available with screw or solder terminals.

Features:

- Quick release, vibration resistant latch lock
- 2 or 4 pole
- Solder tabs, PCB Contacts, Solder or Screw Terminals
- Chuck type or PG Gland cable clamp
- Various mounting hole options
- 30A Current rating
- Thermoplastic or Metal housing (Cable Plugs)
- UL, cUL recognized components (File no. E339831)
- Industry standard mating

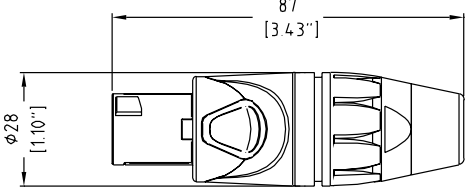
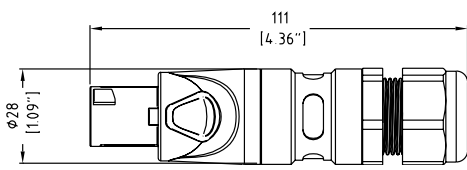
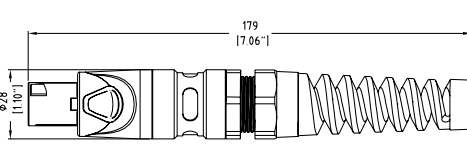
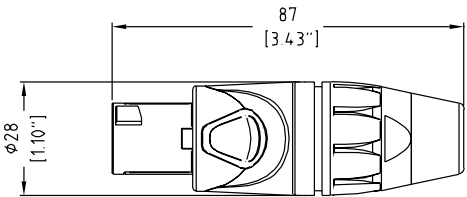
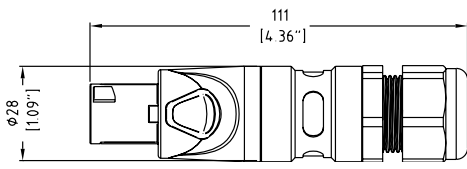
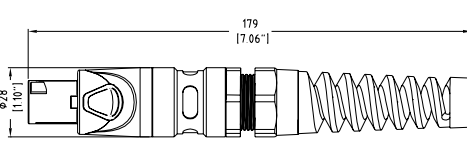


Part Number Breakdown: Page 55
PCB Footprints: Page 57

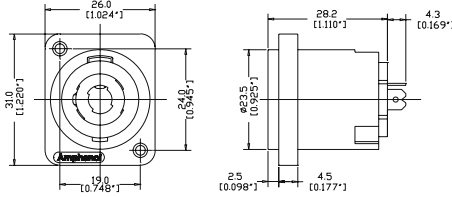
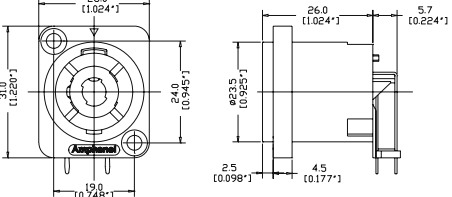
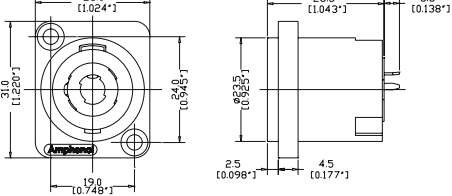
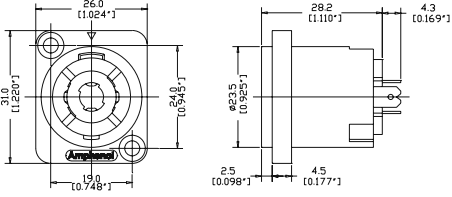
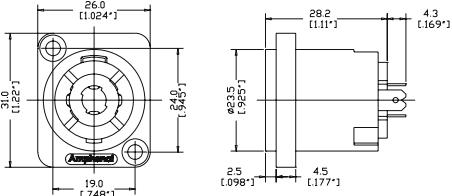
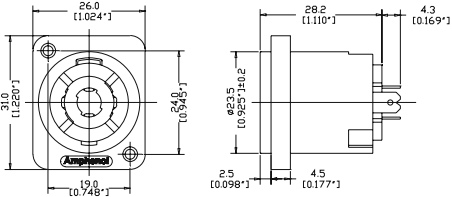
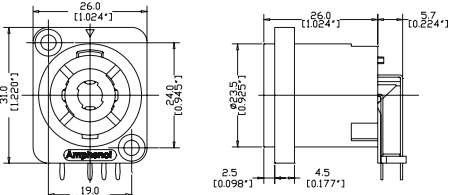
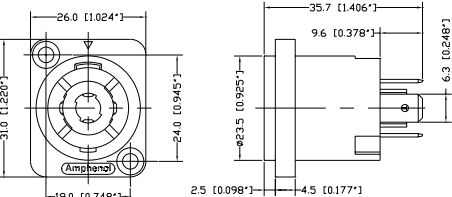
Specifications: Page 59
Assembly Instructions: 58

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	CONTACT TYPE	SHELL COLOUR	PART NUMBER
		87 [3.43"]	2 pole, Cable connector, Thermoplastic shell, Blue sleeve	Screw	Black	SP-2-F
				Solder	Black	SP-2-FS
		111 [4.36"]	2 pole, Cable connector, Thermoplastic shell, Blue sleeve, PG Gland	Screw	Black	SP-2-FG
				Solder	Black	SP-2-FSG
		179 [7.06"]	2 pole, Cable connector, Thermoplastic shell, Blue sleeve, PG Gland strain relief	Screw	Black	SP-2-FL
				Solder	Black	SP-2-FSL
		87 [3.43"]	2 pole, Cable connector, Metal shell, Blue sleeve	Screw	Nickel	SP-2-FN
				Solder	Nickel	SP-2-FNS
				Screw	Black	SP-2-FB
				Solder	Black	SP-2-FBS
		111 [4.36"]	2 pole, Cable connector, Metal shell, Blue sleeve, PG Gland	Screw	Nickel	SP-2-FNG
				Solder	Nickel	SP-2-FNSG
				Screw	Black	SP-2-FBG
				Solder	Black	SP-2-FBSG
		179 [7.06"]	2 pole, Cable connector, Metal shell, Blue sleeve, PG Gland strain relief	Screw	Nickel	SP-2-FNL
				Solder	Nickel	SP-2-FNSL
				Screw	Black	SP-2-FBL
				Solder	Black	SP-2-FBSL

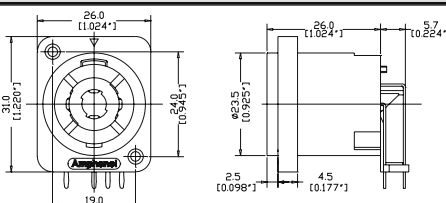
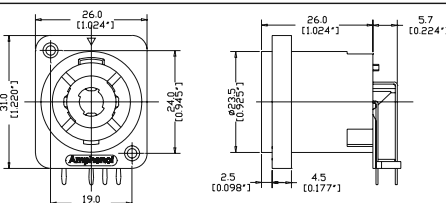
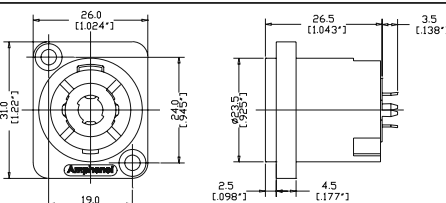
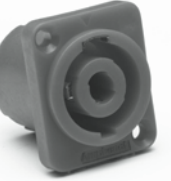
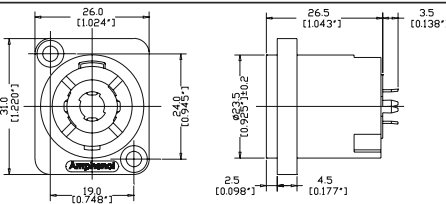
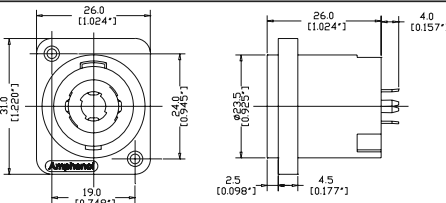
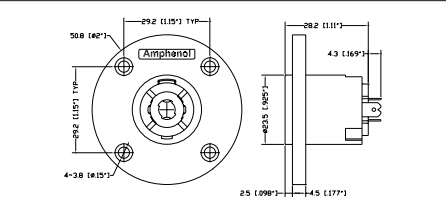
SP LOUDSPEAKER CONNECTORS

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	CONTACT TYPE	SHELL COLOUR	PART NUMBER
		4 pole, Cable connector, Thermoplastic black shell, Blue sleeve	Screw	Black	SP-4-F
			Solder	Black	SP-4-FS
		4 pole, Cable connector, Thermoplastic black shell, Blue sleeve, PG Gland	Screw	Black	SP-4-FG
			Solder	Black	SP-4-FSG
		4 pole, Cable connector, Thermoplastic black shell, Blue sleeve, PG Gland strain relief	Screw	Black	SP-4-FL
			Solder	Black	SP-4-FSL
		4 pole, Cable connector, Metal shell, Blue sleeve	Screw	Nickel	SP-4-FN
			Solder	Nickel	SP-4-FNS
			Screw	Black	SP-4-FB
			Solder	Black	SP-4-FBS
		4 pole, Cable connector, Metal shell, Blue sleeve, PG Gland	Screw	Nickel	SP-4-FNG
			Solder	Nickel	SP-4-FNSG
			Screw	Black	SP-4-FBG
			Solder	Black	SP-4-FBSG
		4 pole, Cable connector, Metal shell, Blue sleeve, PG Gland strain relief	Screw	Nickel	SP-4-FNL
			Solder	Nickel	SP-4-FNSL
			Screw	Black	SP-4-FBL
			Solder	Black	SP-4-FBSL

SP LOUDSPEAKER CONNECTORS

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			2 pole, D flange, Thru holes, Solder tabs 3/16"	Black	SP-2-MD
			2 pole, D flange, Thru holes, Horizontal PCB	Black	SP-2-MDH
			2 pole, D flange, Thru holes, Vertical PCB	Black	SP-2-MDV
			4 pole, D flange, Thru holes, Solder tabs 3/16"	Black	SP-4-MD
			4 pole, D flange, Thru holes, Solder tabs 3/16"	Grey	SP-4-MD-8
			4 pole, D flange, Self Tapping holes, Solder tabs 3/16"	Black	SP-4-MDT
			4 pole, D flange, Thru holes, Horizontal PCB	Black	SP-4-MDH
			4 pole, D flange, Thru holes, Solder tabs 1/4"	Black	SP-4-MDQ

SP LOUDSPEAKER CONNECTORS

PRODUCT - FIGURE		DESCRIPTION	VARIATIONS	PART NUMBER
		4 pole, D flange, Self Tapping holes, Horizontal PCB	Grey	SP-4-MDHT-8
		4 pole, D flange, Self Tapping holes, Horizontal PCB	Black	SP-4-MDHT
		4 pole, D flange, Thru holes, Vertical PCB	Black	SP-4-MDV
		4 pole, D flange, Thru holes, Vertical PCB	Red	SP-4-MDV-2
		4 pole, D flange, Self Tapping holes, Vertical PCB	Grey	SP-4-MDVT-8
		4 pole, EP flange, Thru holes, Solder tabs 3/16"	Black	SP-4-MC

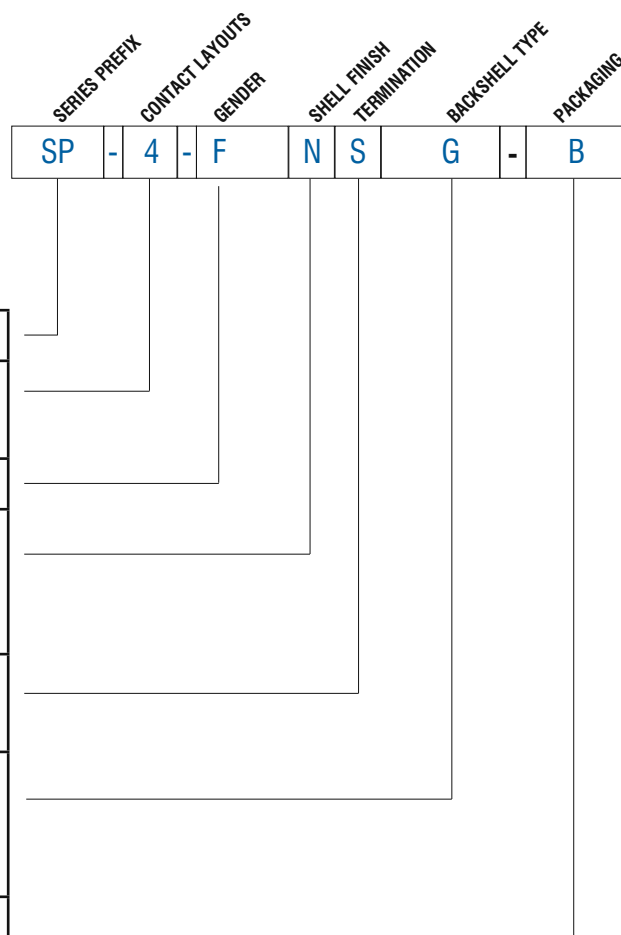
PART NUMBER BREAKDOWN

SP SERIES - CABLE CONNECTORS

E. G. **SP-4-FNSG**

SP (Series Prefix), **4** contacts, **F** (Cable Connector), **N** (Metal Shell Nickel Finish),
S (Solder Terminals), **G** (PG Gland)

SERIES PREFIX	SP	=	Series Prefix
CONTACT LAYOUT	2	=	2 Contacts
	4	=	4 Contacts
GENDER	F	=	Cable Connector
SHELL FINISH	Blank	=	Thermoplastic - Black
	N	=	Metal - Nickel Finish
	B	=	Metal - Black Finish
TERMINATION	Blank	=	Screw Terminals
	S	=	Solder Terminals
BACKSHELL TYPE	Blank	=	Standard
	G	=	PG Gland
	L	=	PG Gland Strain Relief
PACKAGING	Blank	=	Individual Bags
	B	=	Bulk Packed



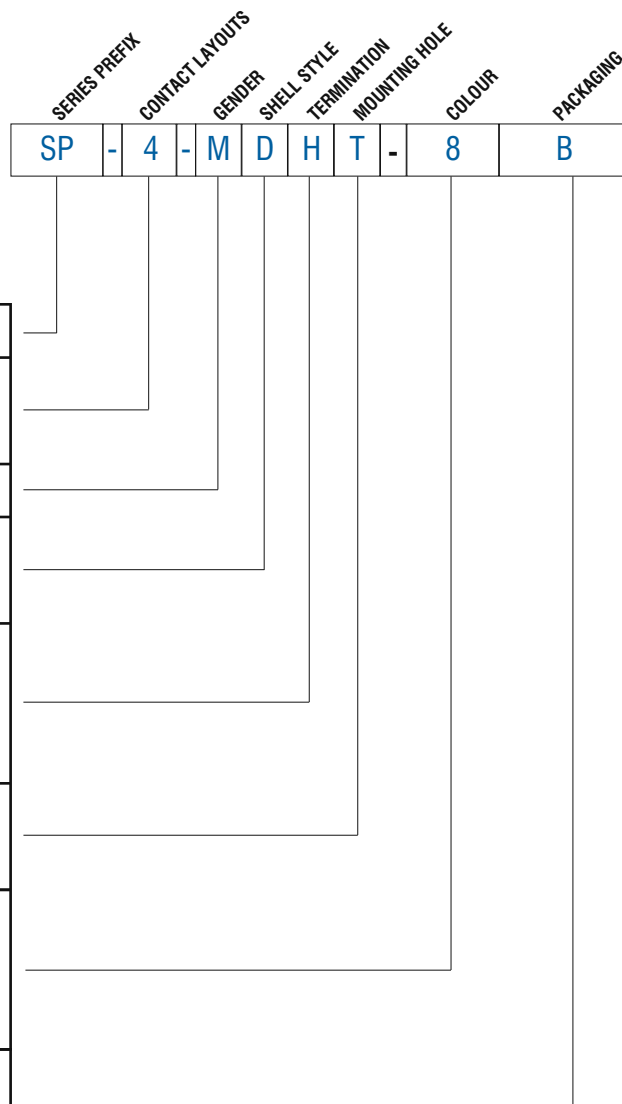
PART NUMBER BREAKDOWN

SP SERIES - CHASSIS CONNECTORS

E. G. **SP-4-MDHT-8B**

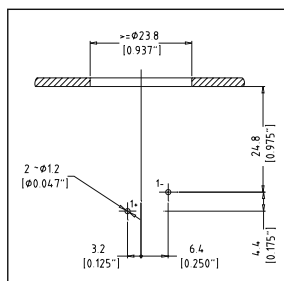
SP (Series Prefix), **4** contacts, **M** (Chassis Connector), **D** (D Shell), **H** (Horizontal Printed Circuit Board, Self **T**apping mounting holes - **8** (Grey), **B**ulk Packaged.

SERIES PREFIX	SP	=	Series Prefix
CONTACT LAYOUT	2	=	2 Contacts
	4	=	4 Contacts
GENDER	M	=	Chassis Connector
SHELL STYLE	D	=	Standard 'D' Type flange
	C	=	EP Series Circular flange
TERMINATION	Blank	=	Solder tabs - 3/16" terminals
	Q	=	Solder tabs - 1/4" terminals
	V	=	Vertical Printed Circuit Board
	H	=	Horizontal Printed Circuit Board
MOUNTING HOLE	Blank	=	Thru Hole
	T	=	Self Tapping
SHELL COLOUR	Blank	=	Black
	2	=	Red
	8	=	Grey
PACKAGING	Blank	=	Individual Bags
	B	=	Bulk Packed

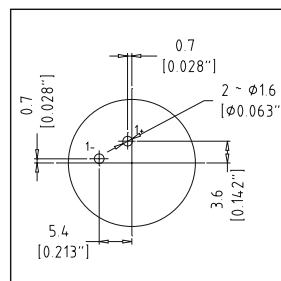


SP SERIES

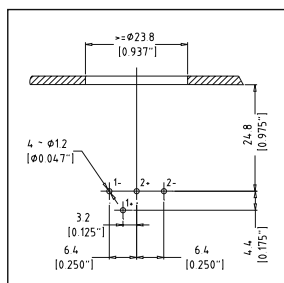
SP-2-MDH



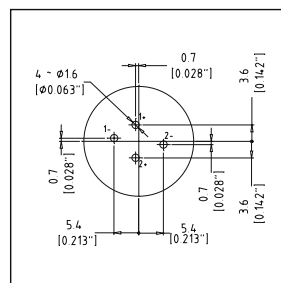
SP-2-MDV



SP-4-MDH
SP-4-MDHT-8
SP-4-MDHT

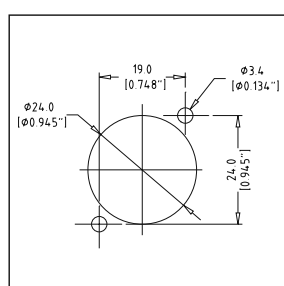


SP-4-MDV
SP-4-MDV-2
SP-4-MDVT-8

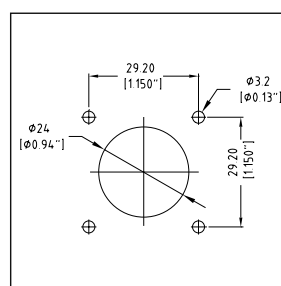


SP SERIES PANEL CUTOUT

SP-2-MD** *
SP-4-MD** *

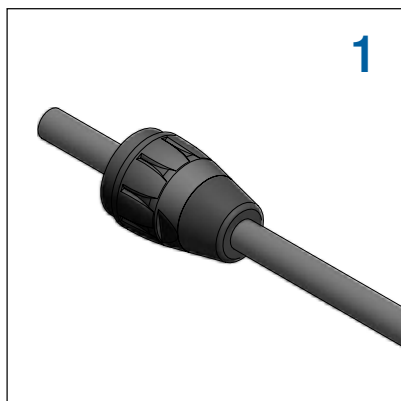


SP-4-MC



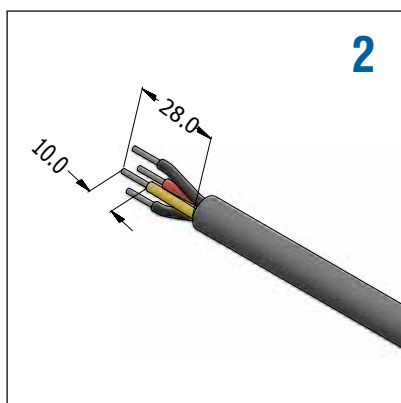
PI 1070 ASSEMBLY INSTRUCTIONS

SP SERIES CABLE CONNECTOR



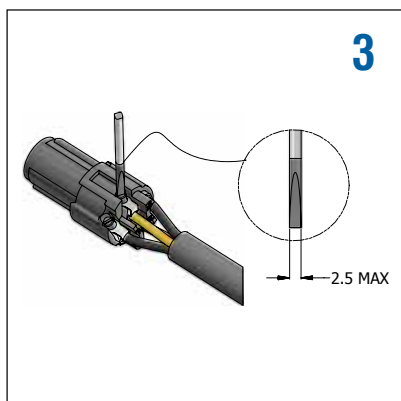
1

Slide the nut onto the cable



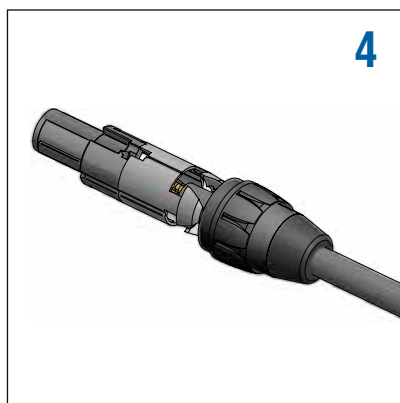
2

Strip the cable and twist the conductors.



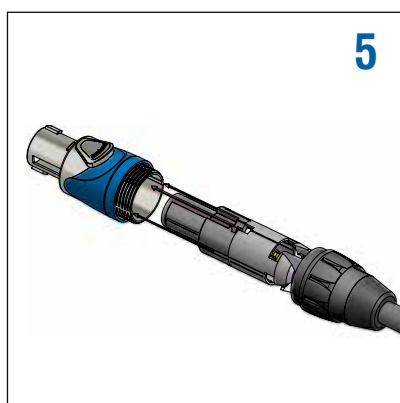
3

Insert the conductors into the rear of contacts on the insert. Tighten the screws to 0.35Nm (3.0 lb-in) using a flat screwdriver with tip width of 2.5mm max.



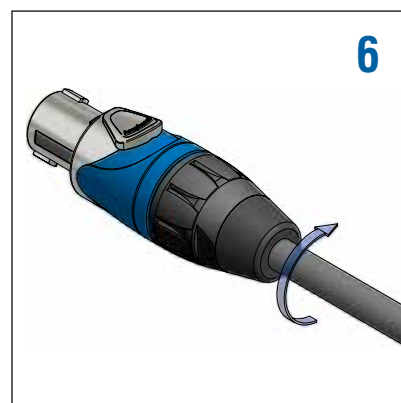
4

Install the cable clamp, flush to the insert making sure to align the slot as shown in the picture.



5

Orientate the insert and cable clamp as shown then push all together into the shell.



6

Thread the nut onto the shell to activate the cable clamp and close the connector assembly.

STANDARD DATA SP SERIES CONNECTORS

		VALUE
GENERAL CHARACTERISTICS	Number of contacts	2 or 4
	Termination (Chassis)	Printed Circuit Board (PCB) or Solder Tabs 3/16"
	Termination (Cable Plugs)	Screw or Solder Terminals
	Flammability	UL94HB
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾
	Test Voltage AC RMS	1500V
	Current carrying capacity	30A
	Typical Contact Resistance	≤3mΩ
	Insulation Resistance (initial)	≥2GΩ
	Insulation Resistance (after damp heat test)	≥1GΩ
CLIMATIC CHARACTERISTICS	Protection Class (Mated Condition)	IP20 (IP40)
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)
MECHANICAL CHARACTERISTICS	Weight** - Chassis Connectors	12g (0.026lb)
	Weight** - Cable Plug - Thermoplastic - Metal	44g (0.097lb) 65g (0.143lb)
	Weight** - Cable Plug PG - Thermoplastic - Metal	44g (0.097lb) 65g (0.143lb)
	Weight** - Cable Plug PG S/Relief - Thermoplastic - Metal	68g (0.150lb) 89g (0.196lb)
	Typical Cable retention force	200N (Subject to cable material and O.D.)
	Cable O.D range - Chuck Clamp - PG16 Gland - PG16 Gland S/Relief	2 pole 5-10mm (0.19" - 0.39") 6-12mm (0.23" - 0.47") 9-14mm (0.35" - 0.55")
		4 pole 9-14mm (0.35" - 0.55") 8-14mm (0.31" - 0.55") 9-14mm (0.35" - 0.55")
	Conductor Size - Screw Terminals - Solder Bucket	1.5mm ² - 4mm ² (AWG16 - AWG12) 1.5mm ² - 6mm ² (AWG16 - AWG10)
MATERIALS	Connector Shell / Finish - Cable Plug Thermoplastic - Cable Plug Metal	PA66 GF30 / Black Diecast Zinc Alloy / Nickel or Black
	Insulators - Chassis - Cable Plugs	PA66 GF20 PA66 GF30
	Cable Boot / Backshell	Santoprene / PA6 GF 15
	Cable Clamp (Chuck)	P.O.M
	Cable Clamp (PG)	Polyamide / EPDM
	Sleeve	PBT
	Contact Chassis - Material / Plating Contact Cable Plug - Material / Plating	Phosphor Bronze / Silver Brass / Silver

Rev 5 - 03/2013

**Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.

¹⁾Not suitable for domestic applications above 50V

HP POWER CONNECTORS



HP Series connectors are suitable for AC power supply where a latch locking connector is required. They are rated at 25 A / 250 Vac. Connectors are keyed and colour coded for power-in (Blue) and power-out (Grey).

⚠ THE HP SERIES OF CONNECTORS ARE NOT DESIGNED TO BE "HOT PLUGGED" AND SO ARE WITHOUT "BREAKING CAPACITY". IN OTHER WORDS, THE CONNECTORS SHOULD NOT BE CONNECTED OR DISCONNECTED LIVE OR WHEN UNDER LOAD

Features:

- Quick release, vibration resistant latch lock
- 3 pole
- Screw Terminals or Solder Tab 3/16"
- Chuck type cable clamp
- 25A Current rating
- Thermoplastic housing
- Industry standard mating
- UL, cUL recognized components (File no. E339831)



Specifications: Page 61

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	CONTACT TYPE	SHELL COLOUR	PART NUMBER
			3 pole, Cable connector, Thermoplastic shell, Blue sleeve, keyed for power-in	Screw	Blue	HP-3-F
			3 pole, Cable connector, Thermoplastic shell, Grey sleeve, keyed for power-out	Screw	Grey	HP-3-FG
			3 pole, Chassis connector, Thermoplastic shell, Blue, keyed for power-in	Solder Tab 3/16"	Blue	HP-3-MD
			3 pole, Chassis connector, Thermoplastic shell, Grey, keyed for power-out	Solder Tab 3/16"	Grey	HP-3-MDG
			3 pole, Chassis connector, Thermoplastic shell, Blue, keyed for power-in, without insulation divider	Solder Tab 3/16"	Blue	HP-3-MDW
			3 pole, Chassis connector, Thermoplastic shell, Grey, keyed for power-out, without insulation divider	Solder Tab 3/16"	Grey	HP-3-MDGW

STANDARD DATA HP SERIES CONNECTORS

		VALUE
GENERAL CHARACTERISTICS	Number of contacts	2 + PE
	Termination	Screw or Solder Tab 3/16"
	Flammability	UL94V-0
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL CHARACTERISTICS	Rated Operating Voltage	250VAC
	Test Voltage AC RMS	3200V
	Current carrying capacity	25A
	Typical Contact Resistance	≤3mΩ
	Insulation Resistance (initial)	≥2GΩ
	Insulation Resistance (after damp heat test)	≥1GΩ
CLIMATIC CHARACTERISTICS	Protection Class	IP20
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)
MECHANICAL CHARACTERISTICS	Weight** - Chassis Connector - Cable Plug	12g (0.026lb) 32g (0.070lb)
	Typical Cable retention force	200N (Subject to cable material and O.D.)
	Cable O.D range - Blue Chuck Clamp - Black Chuck Clamp	5mm - 7.5mm (0.19" - 0.29") 7.5mm - 15mm (0.29" - 0.59")
	Conductor Size - Screw Terminals	2.5mm ² (AWG14)
	Connector Shell / Finish	PA66 GF30 / Black
MATERIALS	Insulators	PA66 GF30
	Cable Boot / Backshell	Santoprene / PBT
	Cable Clamp (Chuck)	P.O.M
	Contact Plug - Material / Plating	Brass / Silver
	Contact Chassis - Material / Plating	Phosphor Bronze / Silver

Rev 4 - 08/2016

**Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.

EP METAL TYPE - SOLDER



The EP Series has set the standard in high performance speaker connectors. Apart from its durability and strength, it offers consistent superior power handling capabilities.

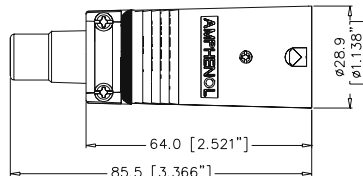
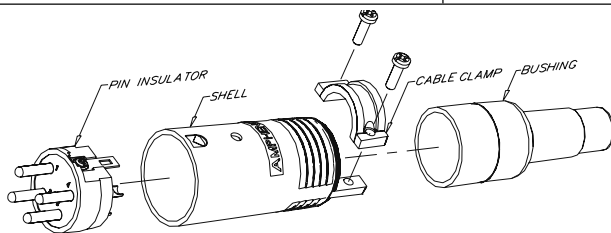
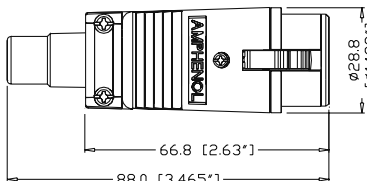
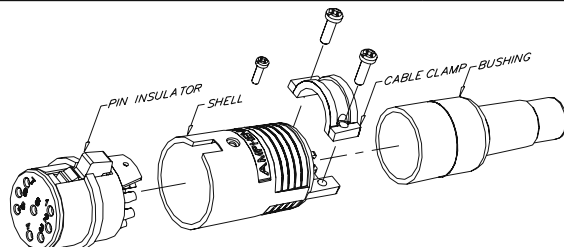
Features:

- Solder Bucket connections.
- Precision machined contacts.
- Diecast Metal Housings
- High current contacts
- Male and female cable and chassis connectors available.

Options: Black Finish Shell

Specifications: [Page 65](#)

Panel Cutouts: [Page 66](#)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
 ISO ASSEMBLY OF EP MALE		EP Male cable connector, Machined contacts, Metal Shell	3 pole nickel finish	EP-3-12	
			3 pole black finish	EP-3-12B	
			4 pole nickel finish	EP-4-12	
			4 pole black finish	EP-4-12B	
			5 pole nickel finish	EP-5-12	
			5 pole black finish	EP-5-12B	
			6 pole nickel finish	EP-6-12	
			6 pole black finish	EP-6-12B	
			8 pole nickel finish	EP-8-12	
			8 pole black finish	EP-8-12B	
 ISO ASSEMBLY OF EP FEMALE		EP Female cable connector, Machined contacts, Metal Shell	3 pole nickel finish	EP-3-11P	
			3 pole black finish	EP-3-11PB	
			4 pole nickel finish	EP-4-11P	
			4 pole black finish	EP-4-11PB	
			5 pole nickel finish	EP-5-11P	
			5 pole black finish	EP-5-11PB	
			6 pole nickel finish	EP-6-11P	
			6 pole black finish	EP-6-11PB	
			8 pole nickel finish	EP-8-11P	
			8 pole black finish	EP-8-11PB	

EP METAL TYPE - SOLDER

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			EP Male chassis mount, Round Flange, Machined contacts, Metal Shell	3 pole nickel finish	EP-3-14
				3 pole black finish	EP-3-14B
				4 pole nickel finish	EP-4-14
				4 pole black finish	EP-4-14B
				5 pole nickel finish	EP-5-14
				5 pole black finish	EP-5-14B
				6 pole nickel finish	EP-6-14
				6 pole black finish	EP-6-14B
				8 pole nickel finish	EP-8-14
				8 pole black finish	EP-8-14B
			EP Female chassis mount, Round Flange, Machined contacts, Metal Shell	3 pole nickel finish	EP-3-13P
				3 pole black finish	EP-3-13PB
				4 pole nickel finish	EP-4-13P
				4 pole black finish	EP-4-13PB
				5 pole nickel finish	EP-5-13P
				5 pole black finish	EP-5-13PB
				6 pole nickel finish	EP-6-13P
				6 pole black finish	EP-6-13PB
				8 pole nickel finish	EP-8-13P
				8 pole black finish	EP-8-13PB

AP THERMOPLASTIC TYPE - SOLDER


The AP Series provides the same power handling performance as the EP Series in a cost effective, yet durable Thermoplastic housing.

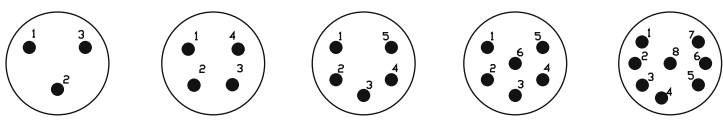
Features:

- Solder Bucket connections.
- Precision machined contacts.
- Thermoplastic Housings
- High current contacts
- Male & Female Cable and Chassis connectors available.

Specifications: Page 65
Panel Cutouts: Page 66

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			AP Male cable connector, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-12
				5 pole	AP-5-12
				6 pole	AP-6-12
				8 pole	AP-8-12
			AP Female cable connector, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-11
				5 pole	AP-5-11
				6 pole	AP-6-11
				8 pole	AP-8-11
			AP Male chassis mount, Round Flange, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-14
				5 pole	AP-5-14
				6 pole	AP-6-14
				8 pole	AP-8-14
			AP Female chassis mount, Round Flange, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-13
				5 pole	AP-5-13
				6 pole	AP-6-13
				8 pole	AP-8-13
			AP Male chassis mount, Rectangular Flange, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-22
				5 pole	AP-5-22
				6 pole	AP-6-22
				8 pole	AP-8-22
			AP Female chassis mount, Rectangular Flange, Machined contacts, Thermoplastic Black shell.	4 pole	AP-4-21
				5 pole	AP-5-21
				6 pole	AP-6-21
				8 pole	AP-8-21

STANDARD DATA EP/AP

		VALUE				
GENERAL CHARACTERISTICS	Number of contacts	3	4	5	6	8
	Contact Arrangements (Front view of pin insert)					
	Termination	SOLDER				
	Wire Gauge - Stranded wire:	12AWG	12AWG	12AWG	12AWG	14AWG
	Flammability	UL94V-0				
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU				
ELECTRICAL CHARACTERISTICS	Service Voltage RMS ¹⁾	460V	660V	200V	200V	100V
	Test Voltage AC RMS	2400V	3000V	1600V	1600V	1300V
	Current carrying capacity	20A	20A	20A	20A	15A
	Typical Contact Resistance	≤3mΩ				
	Insulation Resistance	≥1000MΩ				
CLIMATIC CHARACTERISTICS	Protection Class	IP40				
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)				
MECHANICAL CHARACTERISTICS	Weight - EP 11 & 12 ²⁾	80g (0.176lb)	84g (0.185lb)	86g (0.189lb)	86g (0.189lb)	86g (0.189lb)
	Weight - EP 13 & 14 ²⁾	48g (0.105lb)	50g (0.110lb)	54g (0.119lb)	54g (0.119lb)	54g (0.119lb)
	Weight - AP 11 & 12 ²⁾	N/A	42g (0.092lb)	44g (0.097lb)	44g (0.097lb)	44g (0.097lb)
	Weight - AP 13, 14, 21 & 22 ²⁾	N/A	26g (0.057lb)	30g (0.066lb)	30g (0.066lb)	28g (0.061lb)
	Typical Cable retention force	22Kg to 44Kg (50lb to 100lb) - Dependant on cable material and diameter				
	Mechanical operations	1000 mating cycles				

¹⁾ Not suitable for domestic applications above 50V

²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

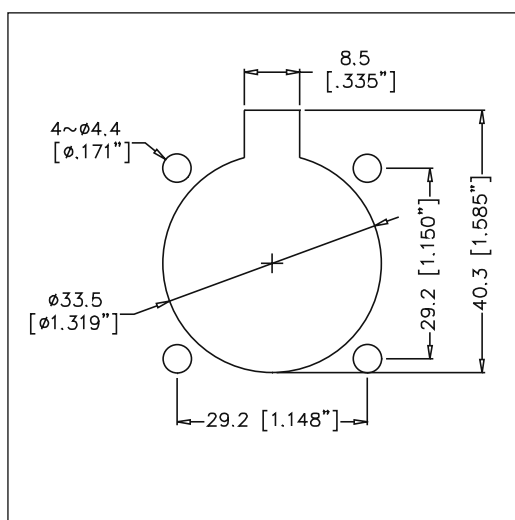
STANDARD DATA EP/AP (CONT'D)

		DETAILS	
MATERIALS	TYPE	AP	EP
	Connector shell	Modified PPE Resin	Diecast Zinc Alloy
	Shell finish	Black	Satin Nickel or Black
	Insulators	UL94V-0 PBT Resin	
	Cable Bushing	Silicon Rubber	UL94 HB Thermoplastic Elastomer
	Male contact Machined - Solder	Brass / Bright Tin	
	Material / Plating		
	Female contact Machined - Solder	Brass / Bright Tin	
	Material / Plating		
CLAMPING CHARACTERISTICS	Cable OD Range	11mm to 17mm (0.43" to 0.67")	9mm to 16mm (0.35" to 0.63")
	Retention Method	Two opposing plastic screws	Metal saddle clamp

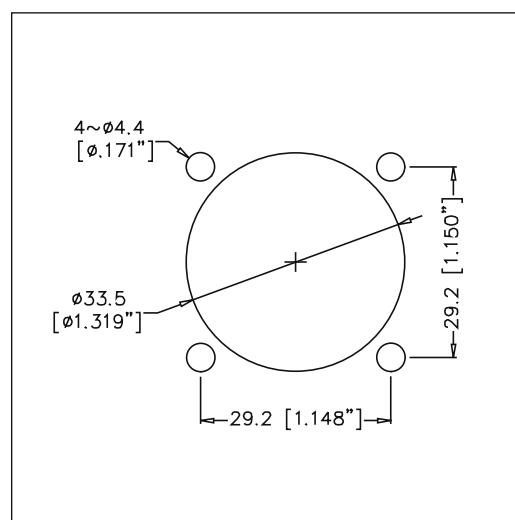
Rev 3 - 03/2013

EP/AP SERIES PANEL CUTOUT DATA - FRONT VIEW

EP 13/AP 13/AP 21



EP 14/AP 14/AP 22



AMPHE-DANTE ADAPTERS

Amphe-Dante are Dante™ audio to analogue adapters, each with one RJ45 Dante input, and one and two (respectively) AX series XLR analogue outputs in a molded housing.

Amphe-Dante products enable simple connection of analogue equipment to a Dante network and can receive audio channels from a Dante network and provide studio-quality, low-latency audio via an XLR connector to analogue audio equipment. Any audio available on the Dante network can be routed via the XLR outputs to an amplifier, powered speaker, mixing console, digital signal processor (DSP), or other analogue audio device.



Amphe-Dante feature high-quality digital-to-analogue converters, and support a range of sample rates and bit depths. They can provide a hardware master clock for a Dante network. As with other Dante products, the freely available Dante Controller software application is used to automatically discover and configure Amphe-Dante devices connected to the Dante network. Device names, channel labels, signal routing and other parameters (for example, sample rate and latency) can be configured via the network using Dante Controller. A variety of network and clock synchronisation diagnostic tools are also available in Dante Controller.

Amphe-Dante products use Power over Ethernet (PoE). Power can be provided through the Ethernet cable from a PoE-capable network switch, or from a separate PoE injector.

Available Software Options (required)

Dante Controller

Dante Controller is a free software application that enables you to route audio and configure devices on a Dante network. As well as automatic device discovery, one-click signal routing and user-editable device and channel labels, Dante Controller provides essential device status information and powerful real-time network monitoring, including device-level latency and clock stability stats, multicast bandwidth usage, and customized event logging, enabling you to quickly identify and resolve any potential network issues.

Dante Via

Dante Via is powerful and easy-to-use software that delivers unprecedented routing of computer-based audio, allowing a wide range of applications and devices to be networked and interconnected, easily and inexpensively. Dante Via network-enables locally-connected USB and Firewire devices, and a huge range of software applications, allowing you to route computer-based audio across an existing Dante network, and create standalone Dante networks without dedicated Dante hardware.

Dante Virtual Soundcard

Dante Virtual Soundcard turns your computer into a Dante-powered workstation, seamlessly integrating your PC or Mac with Dante audio devices on your network. You can instantly connect to a Dante network to record, process and playout using any audio application and any combination of Dante-enabled devices.

Dante Controller



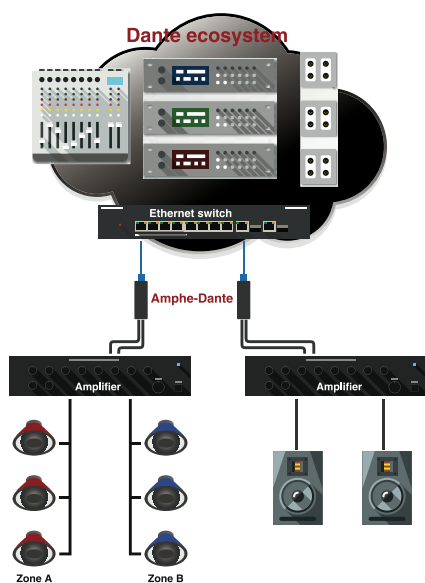
All software can be purchased and downloaded at amphenolaudio.com/products/dante



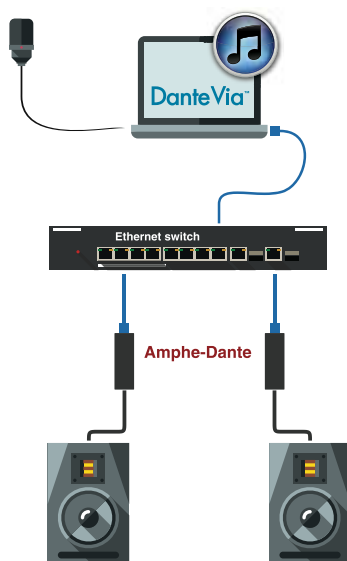
Features:

- Dante® audio input
- One channel or Two channel analogue output
- Durable overmolded housing
- Resilient cable strain relief
- RJ45 metal connectors with integrated LED's
- AX Series XLR connectors

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	LENGTH	PART NUMBER
			Dante® audio to analogue audio adapter, 0x1, RJ45 input, 1 channel XLR output.	500mm	RJD1112-0050
			Dante® audio to analogue audio adapter, 0x2, RJ45 input, 2 channel XLR output.	500mm	RJD1212-0050



Example 1



Example 2

Example 1 - Connecting analog audio equipment to a Dante system

Amphe-Dante can be used to easily integrate traditional analog audio equipment into a networked Dante system. A large ecosystem of Dante devices is available, including Dante-enabled mixing consoles, DSP units and wall plates. In the far left diagram, a zoned audio system is shown with traditional analog amplifiers and speakers connected to the Dante network using Amphe-Dante devices.

Example 2 - Routing local computer audio to traditional devices over a Dante network

In combination with Dante Via software, Amphe-Dante can create simple audio systems using computer software (e.g. iTunes®, Spotify®, etc) and USB audio devices (e.g. a microphone). In the adjacent near left diagram below, a simple background music system with a microphone input for announcements is shown, where Amphe-Dante is used to connect networked audio channels to a pair of traditional analog powered loudspeakers.

SPECIFICATIONS

		RJD1112-XXXX*	RJD1212-XXXX*
GENERAL	Input Connector	1 x RJ45 (Ethernet)	
	Output Connector	1x XLR Male	2x XLR Male
ELECTRICAL	Power Consumption	< 2 Watt	
	Power over Ethernet (Required)	Class 1 IEEE 802.3af POE PD compliant	
ANALOG AUDIO	Output level (Balanced)	+4dBu @ 0dBFS	
	Output Impedance	150 ohm balanced or 75 ohm unbalanced	
	Frequency Response	20 Hz to 20 kHz (-/+0.5 dB)	
	Dynamic Range	> 100 dB	
	Signal to Noise	> 100 dB	
	Total Harmonic Distortion	< 0.05% at +4 dBu	
	Channel Separation	N/A	> 100 dB
	Channel Matching	N/A	< 0.25 dB
DANTE® AUDIO	Number of Channels	1 output channel	2 output channels
	Sample Rate	44.1 kHz, 48 kHz (default), and 96 kHz	
	Bit Depth	24 bits	
	Network Speed	100 Mbps	
CLIMATIC	Protection Class	IP41	
	Operating Temperature	-5°C to +60°C (23°F to +140°F)	
MECHANICAL	Insertion and Withdrawal Force	≥10N - ≤30N	
	Weight Single Channel XLR Two Channel XLR	136g (0.299lb) 192g (0.423lb)	
MATERIALS	Housing	PVC 60P Black	

*XXXX denotes length

LED STATUS

LEFT LED RIGHT LED



FUNCTION	LEFT LED	RIGHT LED	COMMENT
Off	OFF	OFF	No Power
Device is booting	Solid GREEN	Solid RED	
Slave with sync	Blinking GREEN	Solid GREEN	Normal operation
Clock Master	Blinking GREEN	Blinking GREEN	Normal operation
Any runtime error	Blinking GREEN	Blinking RED	Normal operation
Identify	Alternating RED and GREEN	Alternating RED and GREEN	Blinking for 6 seconds (cycle every 0.5 seconds)
Failsafe (bootloader)	Blinking RED	Blinking RED	Failsafe, Corrupt Capability (red in DC)
Upgrade (bootloader)	Blinking ORANGE	Blinking ORANGE	Device is upgrading



XLrnet CONNECTORS

XLrnet was designed in conjunction with the Amphenol Data / Telecom product group of Amphenol Canada Corp., a subsidiary of Amphenol Corporation. Utilising our combined expertise and knowledge of the professional audio and high-speed data markets we are proud to offer the XLrnet series. Featuring Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) ethernet performance in A, B or D shell housings with integrated LED's and complete shielding options we have your high-speed data requirements covered.

Features

- Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) ethernet performance
- A, B or D type chassis housings
- IDC or IDC 110 punch down terminals
- RJ45 feedthrough panel connectors
- Shielded or non-shielded
- LED indicators in a variety of colours.
- Compact design
- Cable plug housings
- Quick and simple installation

Options

- Horizontal or Vertical PCB contacts
- Bulk Packaging
- LED colour - Red, Green, Yellow or Blue combinations

Ordering Codes

We have listed the more common ordering codes in each section. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.



XLNet SERIES

Features/Benefits:

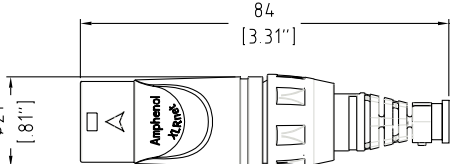
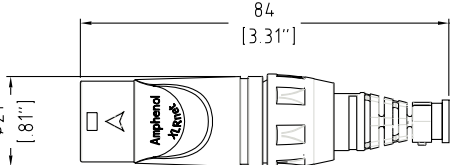
- XLR RJ45 Cable plug housing.
- Designed for pre-assembled RJ45 cables.
- Quick and simple installation.
- Cost effective method for harsh environments.
- No cabling in field required.
- No tools required for installation.
- Available in Nickel or Black housings.
- Coloured boots / Backshells

Specifications: Page 72

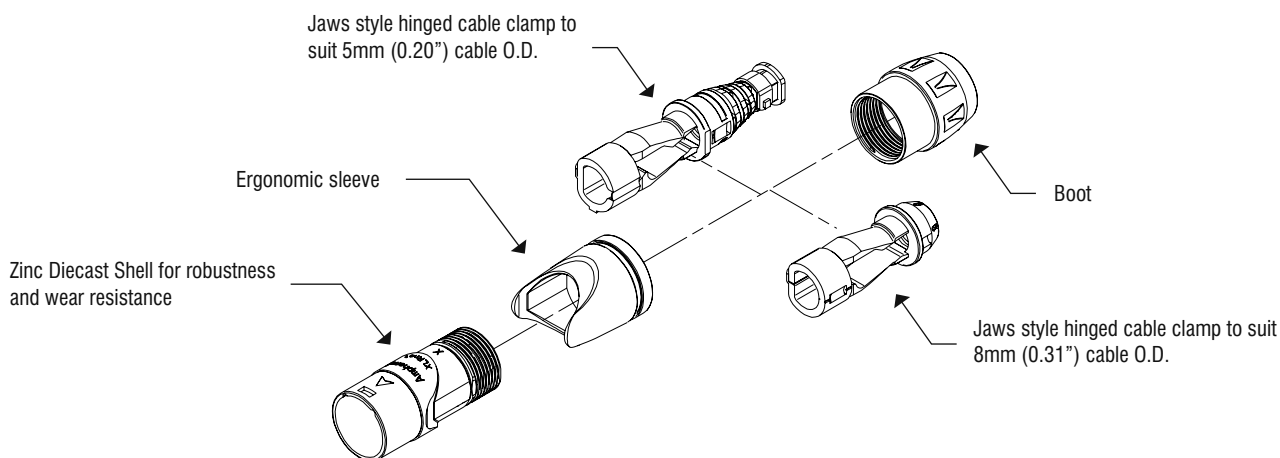
Part Number Breakdown : Page 72

Assembly Instructions: Page 73

NOTE* RJ45 preassembled cable sold separately and is not included with the XLNet connector.

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		84 [3.31"] ø21 [.81"]	XLNet, XLR cable plug housing to suit pre-assembled RJ45 cables, Nickel Finish	Standard	RJX8M
				Bulk Pack	RJX8M BULK
		84 [3.31"] ø21 [.81"]	XLNet, XLR cable plug housing to suit pre-assembled RJ45 cables, Black Finish	Standard	RJX8MB
				Bulk Pack	RJX8MB BULK

ISO VIEW OF RJX8M



PART NUMBER BREAKDOWN

XLRnet SERIES

E. G. **RJX8MB BULK**
RJX (Series Prefix), **8** contacts, **M** (Cable Connector), **B** (Black Finish),
Bulk Packaged

SERIES PREFIX	RJX	=	Series Prefix
CONTACT LAYOUT	8	=	RJ45 Cable Housing
GENDER	M	=	Male Cable Plug
SHELL FINISH	Blank	=	Nickel Plated Finish
	B	=	Metal - Black Finish
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

SERIES PREFIX	CONTACT LAYOUTS	GENDER	SHELL FINISH	PACKAGING
RJX	8	M	B	BULK

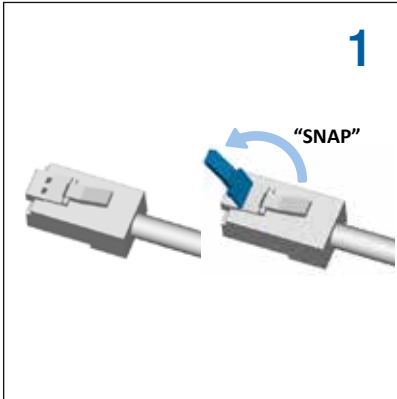
STANDARD DATA XLRnet SERIES

		VALUE
GENERAL CHARACTERISTICS	Termination	Preassembled RJ45 Cable (Not supplied)
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
CLIMATIC CHARACTERISTICS	Protection Class	IP40
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal force	≥10N - ≤20N
	Weight ²⁾	26g (0.057lb)
	Cable O.D. range	5 or 8mm (0.20" or 0.31")
	Mechanical Operations	1000 mating cycles
MATERIALS	Connector shell - Metal Shell finish	Diecast Zinc Alloy Satin nickel or Black
	Boot / Backshell Finish	UL94V-0 Noryl N190 / Valox Black
	Cable clamp	PA6
	Sleeve	Valox

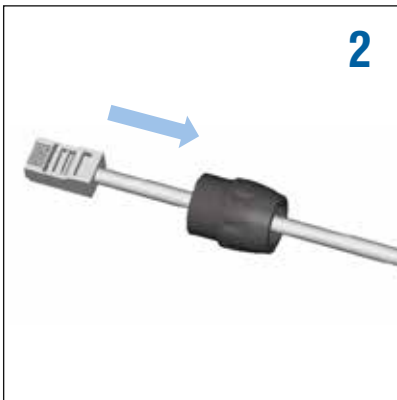
²⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

Rev 1 - 03/2013

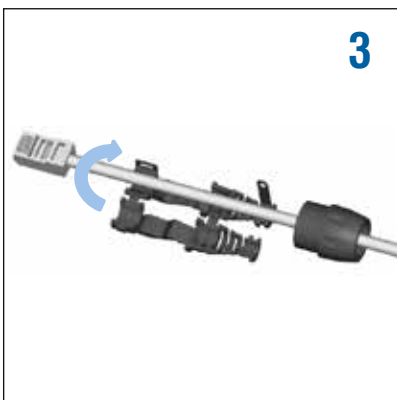
XLRnet SERIES CABLE ASSEMBLY INSTRUCTIONS



△ Snap or cut off release tab of the RJ45 plug.
Failure to remove the RJ45's Release Tab will make the XLRnet assembly permanently latching. The XLRnet series has an independent panel side latching system.



Slide the nut (backshell) onto the cable.



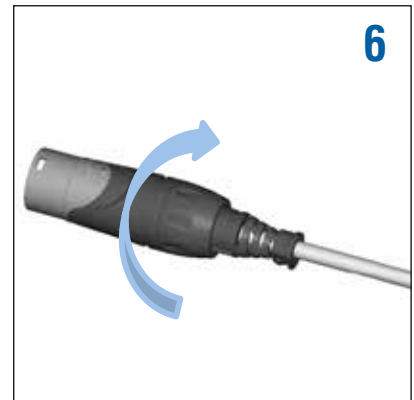
Install the cable clamp-boot.



Close clamp-boot, fasten the two tabs together to lock.



Push clamp-boot & cable together into the shell



Thread the nut (backshell) onto the shell (torque 0.8Nm-1.2Nm) to close the connector assembly.

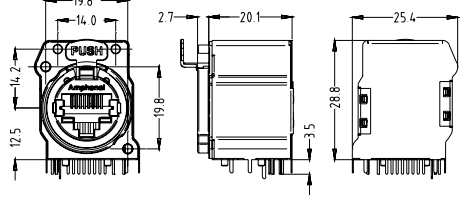
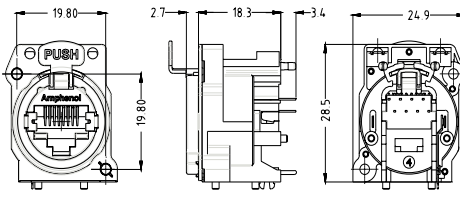
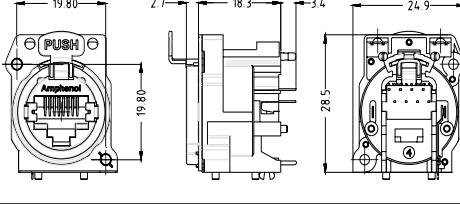
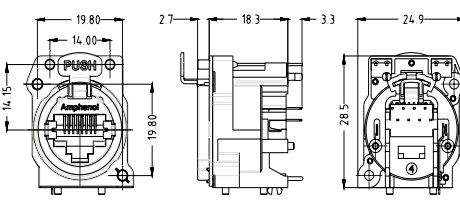
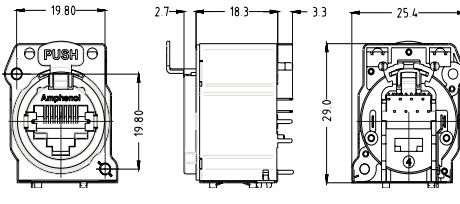
**Features:**

- RJ45 Class D (10/100 BASE-T), CAT5E (1000 BASE-T) or CAT6 (10GBASE-T) Ethernet performance
- A or B type chassis housings
- Shielded or non-shielded
- LED indicators in a variety of colours.
- Horizontal or Vertical PCB
- Mates with XLrnet cable plugs or standard RJ45 plug.

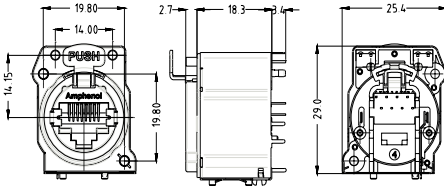
Part Number Breakdown: Page 77**Specifications: Page 81****PCB Footprints: Page 80****Recommended Fastener: Page 136**

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	LED* LHS/RHS		PART NUMBER
			XLrnet chassis, A type, Horizontal PCB	Class D	-	-	RJX8FA3HB
				CAT5E	-	-	RJX8FA5HB
				CAT6	-	-	RJX8FA6HB
			XLrnet chassis B type, Horizontal PCB	Class D	-	-	RJX8FB3HB
				CAT5E	-	-	RJX8FB5HB
				CAT6	-	-	RJX8FB6HB
			XLrnet chassis, B type, LEDs, Horizontal PCB, Bulk packed	CAT5E	R	G	RJX8FB5HRGB
					R	Y	RJX8FB5HRYB
					R	R	RJX8FB5HRRB
					G	R	RJX8FB5HGRB
					G	Y	RJX8FB5HGYB
					U	U	RJX8FB5HUUB
				CAT6	R	G	RJX8FB6HRGB
					R	Y	RJX8FB6HRYB
					R	R	RJX8FB6HRRB
					G	R	RJX8FB6HGRB
					G	Y	RJX8FB6HGYB
					U	U	RJX8FB6HUUB
			XLrnet chassis, B type, Shielded Hood, Horizontal PCB, Bulk packed	Class D	-	-	RJX8FB3HEB
				CAT5E	-	-	RJX8FB5HEB
				CAT6	-	-	RJX8FB6HEB

*Note: LED colours are denoted left to right from the panel side front view. Refer page 80
 R = Red, G = Green, Y = Yellow, U = Blue

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	LED* LHS/RHS		PART NUMBER
			XLRnet chassis, B type, Shielded Hood, LEDs, Horizontal PCB, Bulk packed	CAT5E	R	G	RJX8FB5HRGEB
					R	Y	RJX8FB5HRYEB
					R	R	RJX8FB5HRRRB
					G	R	RJX8FB5HGREB
					G	Y	RJX8FB5HGYEB
					U	U	RJX8FB5HUUEB
				CAT6	R	G	RJX8FB6HRGEB
					R	Y	RJX8FB6HRYEB
					R	R	RJX8FB6HRRRB
					G	R	RJX8FB6HGREB
					G	Y	RJX8FB6HGYEB
					U	U	RJX8FB6HUUEB
			XLRnet chassis, A type, Vertical PCB	Class D	-	-	RJX8FA3VB
				CAT5E			RJX8FA5VB
				CAT6			RJX8FA6VB
			XLRnet chassis, B Type, Vertical PCB	Class D	-	-	RJX8FB3VB
				CAT5E			RJX8FB5VB
				CAT6			RJX8FB6VB
			XLRnet chassis, B type, LEDs, Vertical PCB, Bulk packed	CAT5E	R	G	RJX8FB5VRGB
					R	Y	RJX8FB5VRYB
					R	R	RJX8FB5VRRRB
					G	R	RJX8FB5VGRB
					G	Y	RJX8FB5VGYB
					U	U	RJX8FB5VUUB
				CAT6	R	G	RJX8FB6VRGB
					R	Y	RJX8FB6VRYB
					R	R	RJX8FB6VRRRB
					G	R	RJX8FB6VGRB
					G	Y	RJX8FB6VGYB
					U	U	RJX8FB6VUUB
			XLRnet chassis, B type, Shielded Hood, Vertical PCB, Bulk packed	Class D	-	-	RJX8FB3VEB
				CAT5E			RJX8FB5VEB
				CAT6			RJX8FB6VEB

*Note: LED colours are denoted left to right from the panel side front view. Refer page 80
 R = Red, G = Green, Y = Yellow, U = Blue

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	LED* LHS/RHS		PART NUMBER
			XLRnet chassis, B type, Shielded Hood, LEDs, Vertical PCB, Bulk packed	CAT5E	R	G	RJX8FB5VRGEB
					R	Y	RJX8FB5VRYEB
					R	R	RJX8FB5VRREB
					G	R	RJX8FB5VGRGB
					G	Y	RJX8FB5VGYEB
					U	U	RJX8FB5VUUEB
				CAT6	R	G	RJX8FB6VRGEB
					R	Y	RJX8FB6VRYEB
					R	R	RJX8FB6VRREB
					G	R	RJX8FB6VGRGB
					G	Y	RJX8FB6VGYEB
					U	U	RJX8FB6VUUEB

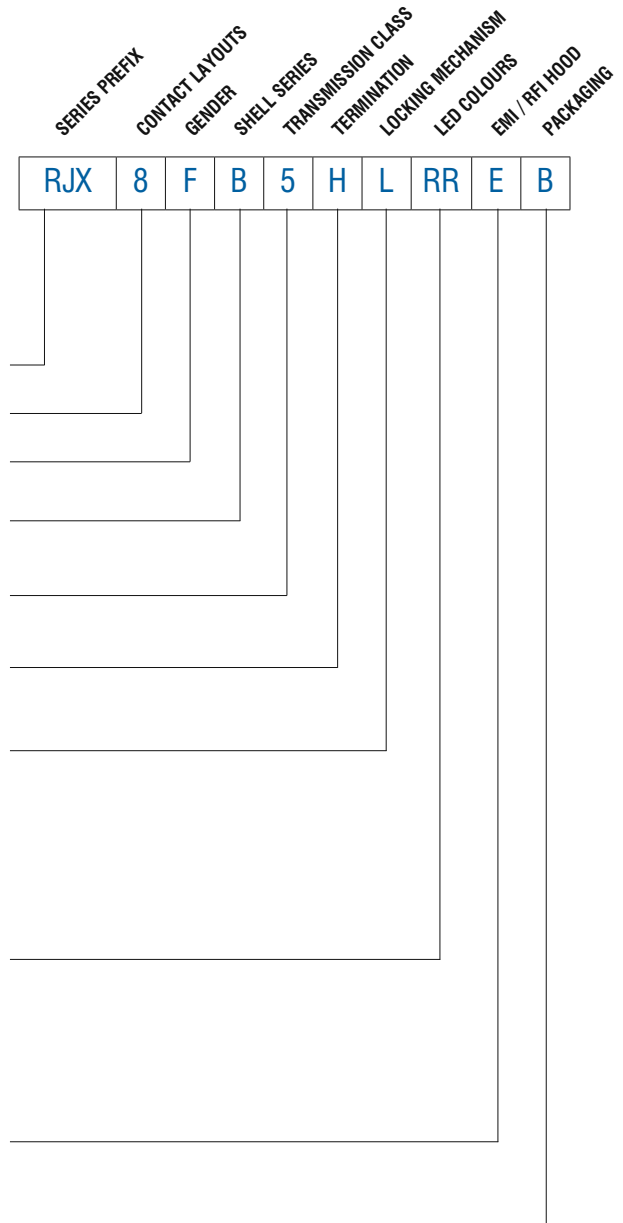
*Note: LED colours are denoted left to right from the panel side front view. Refer page 80
 R = Red, G = Green, Y = Yellow, U = Blue

PART NUMBER BREAKDOWN

XLRnet A AND B TYPE Printed Circuit Board Connectors

E. G. **RJX8FB5HLRREB**
RJX (Series Prefix), **8** (Contacts), **F**emale **B** type, **5** Cat5E **H**orizontal, **L**atchless,
Red - **R**ed LEDs, **E**MI / RFI Hood, **B**ulk Packaged.

SERIES PREFIX	RJX	=	Series Prefix
CONTACT LAYOUT	8	=	RJ45 type
GENDER	F	=	Receptacle housing
SHELL SERIES	A B	=	A Type B Type
TRANSMISSION CLASS	3 5 6	=	Class D CAT 5e CAT 6
TERMINATION	H V	=	Horizontal Printed Circuit Board Vertical Printed Circuit Board
LOCKING MECHANISM	Blank P	=	Latching Push lever supplied separately for customer installation (Contact factory for detailed fitting instructions)
LED COLOUR SEQUENCE*	Blank RG RY RR GR GY GG YR YY YG UU	=	No LEDs Red / Green Red / Yellow Red / Red Green / Red Green / Yellow Green / Green Yellow / Red Yellow / Yellow Yellow / Green Blue / Blue
EMI / RFI SHIELDING HOOD	Blank E	=	No shield hood EMI / RFI shield hood
PACKAGING	Blank B	=	Individual Bulk packed



*Note: LED colours are denoted left to right from the panel side front view.
Refer Page 80

D TYPE FLANGE**Features:**

- RJ45 Class D (10/100 Base-T), CAT5E (1000 Base-T) or CAT6 (10GBASE-T) Ethernet performance
- D type XLR standard housings
- IDC Punchdown block
- Thru-adaptor / Feedthrough
- Horizontal or Vertical PCB

Part Number Breakdown: Page 79**Specifications: Page 81****PCB Footprints: Page 80****Recommended Fastener: Page 136**

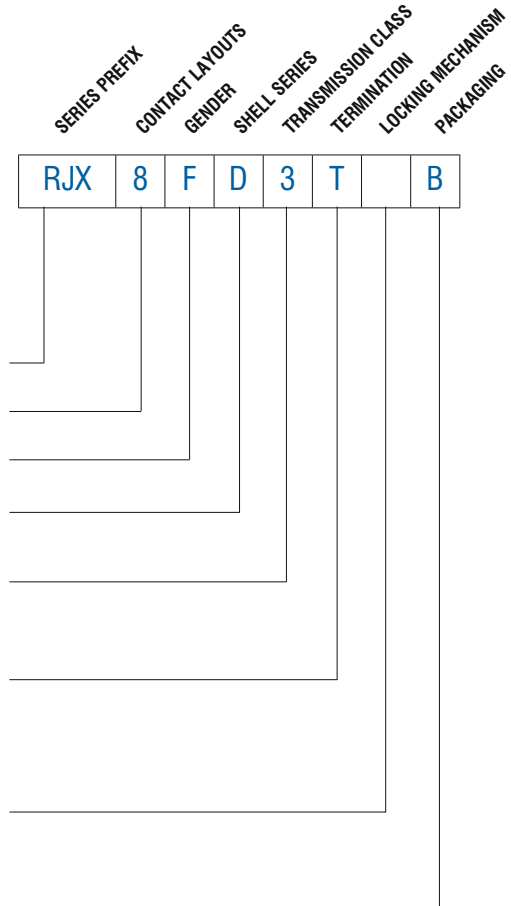
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	TYPE	PART NUMBER
			XLRnet chassis, D type, Feedthrough, Nickel Finish	CAT5E	RJX8FD5T
			XLRnet chassis, D type, IDC Terminals, 110 type, Nickel Finish	CAT5E	RJX8FD5110
				CAT6	RJX8FD6110
			XLRnet chassis, D type, IDC Terminals, Nickel Finish	CAT5E	RJX8FD5I
				CAT6	RJX8FD6I
			XLRnet chassis, D type, Horizontal PCB, Nickel Finish	Class D	RJX8FD3HB
				CAT5E	RJX8FD5HB
				CAT6	RJX8FD6HB
			XLRnet chassis, D type, Vertical PCB, Nickel Finish	Class D	RJX8FD3VB
				CAT5E	RJX8FD5VB
				CAT6	RJX8FD6VB

PART NUMBER BREAKDOWN

XLRnet D TYPE Chassis Connectors

E. G . **RJX8FD3TB**
RJX (Series Prefix), **8** (Contacts), **F**emale **D** type, **3** Class **D** **T**hru Adaptor,
Bulk Packaged

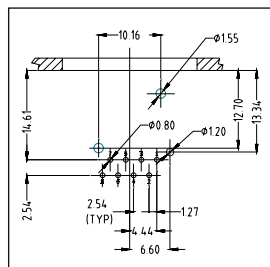
SERIES PREFIX	RJX	=	Series Prefix
CONTACT LAYOUT	8	=	RJ45 type
GENDER	F	=	Receptacle housing
SHELL SERIES	D	=	D Type
TRANSMISSION CLASS	3	=	Class D
	5	=	CAT 5e
	6	=	CAT 6
TERMINATION	H	=	Horizontal Printed Circuit Board
	I	=	IDC Punch Down Block
	110	=	IDC 110 Punch Down Block
	T	=	Thru adaptor / Feedthrough
	V	=	Vertical Printed Circuit Board
LOCKING MECHANISM	Blank	=	Latching
	P	=	Push lever supplied separately for customer installation (Contact factory for detailed fitting instructions)
PACKAGING	Blank	=	Individual
	B	=	Bulk packed



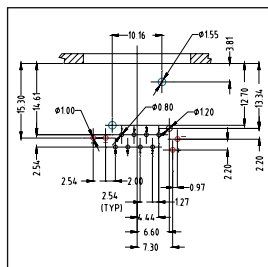
*Note: LED colours are denoted left to right from the panel side front view.
Refer Page 80

XLRNET A, B AND D TYPE SERIES

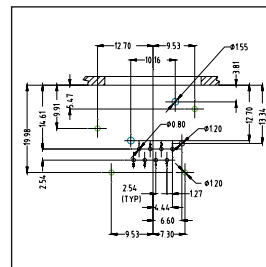
* Applicable to 3 (Class D), 5 (CAT5E) and 6 (CAT6), where available



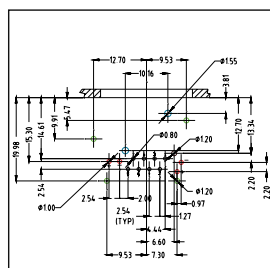
RJX8FA*H
RJX8FA*HB



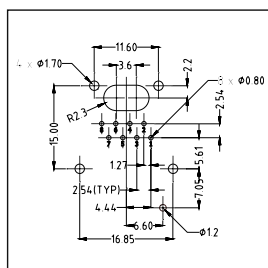
RJX8FB*HRGB
RJX8FB*HRYB
RJX8FB*HRRB
RJX8FB*HGRB
RJX8FB*HGYB
RJX8FB*HGGB



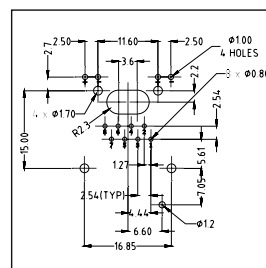
RJX8FB*HEB



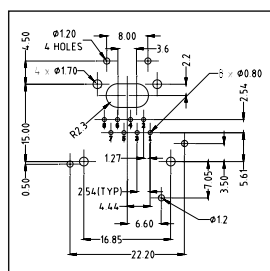
RJX8FB*HRGEB
RJX8FB*HRYEB
RJX8FB*HRREB
RJX8FB*HGREB
RJX8FB*HGWEB
RJX8FB*HGGBE



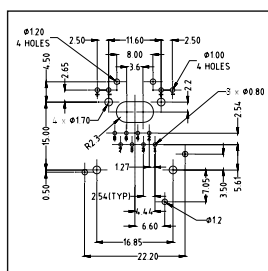
RJX8FA*VB
RJX8FB*VB



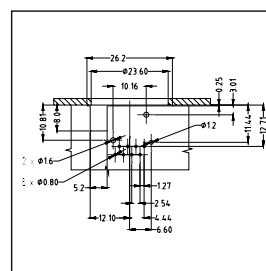
RJX8FB*VRGB
RJX8FB*VRYB
RJX8FB*VRRB
RJX8FB*VGRB
RJX8FB*VGYB
RJX8FB*VUUB



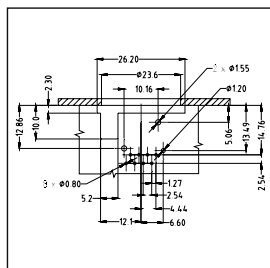
RjX8FB*VEB



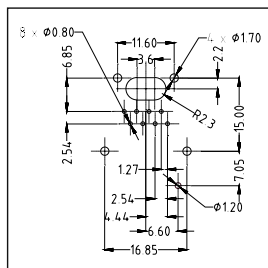
RJX8FB*VRGEB
RJX8FB*VRYEB
RJX8FB*VRREB
RJX8FB*VGREB
RJX8FB*VGYEB
RJX8FB*VUUEB



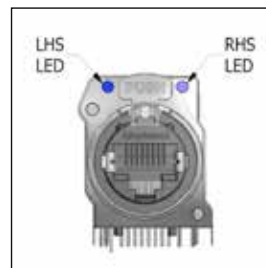
RJX8FD*HB
(Front
Mounting)



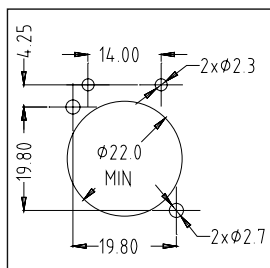
RJX8FD*HB
(Rear
Mounting)



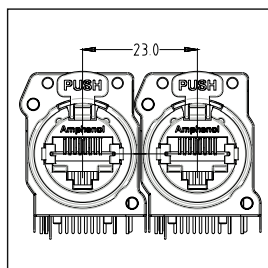
RJX8FD*VB



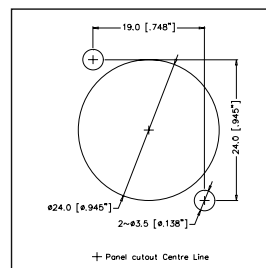
**LED
Arrangement
(Front view)**



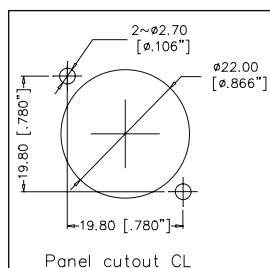
PANEL CUTOUT
A and B type
with LED's



**XLRnet
MOUNTING
PITCH /
A and B Type**



D Type



A and B Type

STANDARD DATA XLRnet CHASSIS RECEPTACLES

		VALUE		
		Class D	CAT5E	CAT6
GENERAL CHARACTERISTICS	Number of contacts	8		
	Contact Arrangement	RJ45		
	Termination	Printed Circuit Board (PCB) - through hole, Feedthrough, IDC Terminal		
	Flammability	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
	Solderability	MIL-STD 202, Method 208		
ELECTRICAL CHARACTERISTICS	Rated current per contact	1.5 A		
	Rated Voltage	125V AC		
	Typical Contact Resistance	20mΩ		
	Insulation Resistance	> 500MΩ		
	Dielectric Strength	1000 VAC, 60 secs		
	Max. Frequency	100Mhz	250MHz	250MHz
	Ethernet Standard	10/100 BASE-T	1000 BASE-T	10GBASE-T
	Transmission Spec.	EIA/ TIA568-C.2, ISO/IEC 11801, EN50173		
	PoE+	802.3at Type 2		
	LED Type	Round, single pole, indicator		
CLIMATIC CHARACTERISTICS	Protection Class	IP40 (with EMI/RFI shield)		
	Operating Temperature	-40°C to +80°C (-40°F to +176°F)		
MECHANICAL CHARACTERISTICS	Weight** - A & B Housing - Shielded Housing - D Shell	11g (0.024lb) 17g (0.037lb) 25g (0.055lb)		
	Mechanical Operations	1000		
	Insertion and Withdrawal Force	≤ 21N		
	Latch	Spring Steel		
	Panel Thickness max.	3mm		
	Mounting screw torque max.	0.35Nm		
	Fastener	Self-Tapping screw M2.5		
MATERIALS	Connector Shell / Housing	Thermoplastic, DSM Stanyl UL94V-0, 30% GF / PA66 30% GF		
	Flange (A type)	Thermoplastic, DSM Stanyl UL94V-0, 30% GF		
	Flange (B type)	Diecast Zinc Alloy 3		
	Flange Finish (B type)	Satin Nickel		
	Contact	Phosphor Bronze		
	Contact Finish - Ground - RJ45	0.38μm Au over 1.27μm Ni 1.27μm Au over 1.27μm Ni		
	Metal Hood Shield EMI/RFI	Brass, nickel plated		
	Latch lock and Spring	Spring steel		

Rev 3 - 05/2015

**Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.



FIBRE OPTIC CONNECTOR HOUSINGS

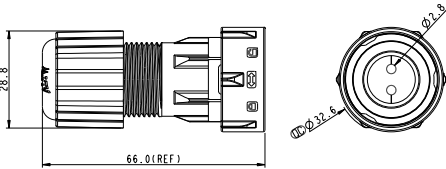
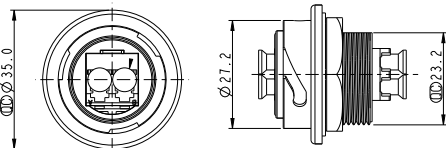
Features:

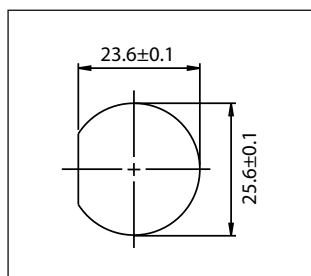
- Environmental IP67 / 68 rated fibre optic connectors
- Metal housings
- LC type
- Thru adaptors
- Cost effective thermoplastic housings
- Protective caps
- 2 or 4 channel Singlemode or Multimode connectors available on special order. Please contact us for larger fibre channels count up to 31ch

***Note:** Fibre optic connectors and/or cables are not supplied and would need to be purchased separately. For detailed assembly instructions please refer to our website.

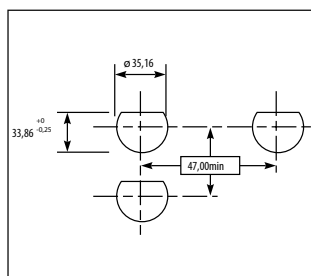
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			LC FIELD, 2 Channel, Plug with metal backshell, Nickel finish*	PG clamp to suit: Flat duplex cable + Duplex zipcord for 1.6mm - 2mm - 2.8mm	LCFTV6MTNN
			LC FIELD, 2 Channel, Receptacle, Nickel finish*	Square Flange	LCFTV20NN
			Protective Cap, metallic chain	For LCFTV6MTNN	BFTVF19
				For LCFTV20NN	BECTVF19
			Tools	For Mounting	LCFTVMO
				For Dismounting	LCFTVDM

FIBRE OPTIC CONNECTOR HOUSINGS

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			LC, 2 Channel, Plug housing, IP67, Thermoplastic*	PG clamp to suit: Flat duplex cable + Duplex zipcord for 1.6mm - 2mm - 2.8mm	FB-00BLMA-TL7001
			LC, 2 Channel, Receptacle, IP67, Thermoplastic*	Jam nut	FB-00RLFJ-TC7001
			Protective Cap	For receptacle	CAP-WFBFTMA1

PANEL CUTOUT


FB-00RLFJ-TC7001



LCFTV20NN

ASSEMBLY INSTRUCTIONS*




BNC 75 RF CONNECTORS

Amphenol offers a complete range of high-performance BNC plugs for use in digital/HD video applications. Amphenol's True 75 Ohm BNC connectors perform well up to and beyond 3GHz and are designed to terminate to a variety of popular coaxial cable types. We can also offer custom connectors to suit non-standard cables on request. Plugs feature a precision machined brass body and coupling nut plated with cost effective nickel plating.

Applications

- Broadcast
- High bandwidth video equipment
- D1/D2 serial digital
- Graphic work stations
- Telephony / Workstations

Options

- Crimp Plugs
- Jack to Jack adapters
- Patch Panels
- 'D' Shell Jacks
- Plug to Plug U-Link connectors
- Crimp Tools

Ordering Codes

We have listed the more common ordering codes in each section. Amphenol offer an extensive range of RF connectors for most applications.

Please visit www.amphenolconnex.com for further information. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

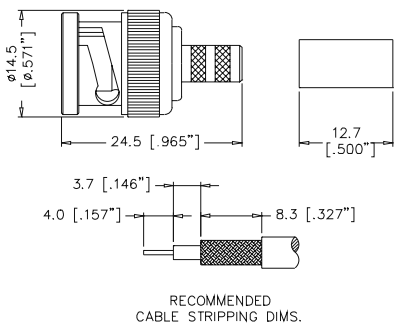
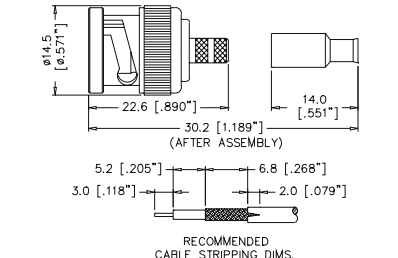
- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

BNC 75Ω RF CONNECTORS

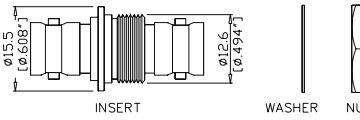
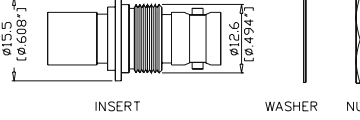
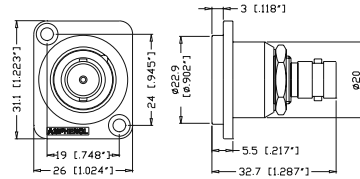
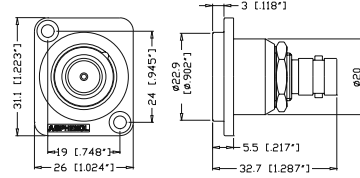
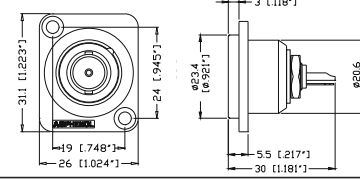
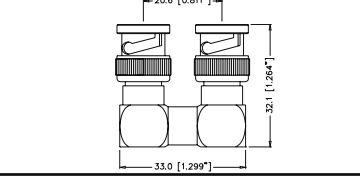
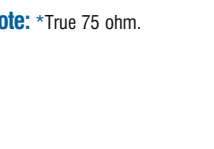


Amphenol manufactures a large range of connectors to suit cables other than those listed below, for example Belden YR23769 and 46899, please contact us to discuss your specific requirements.

The complete Amphenol Connex catalogue featuring a wide range of RF connector products is available on request. Item code CAT-CONNEX-01.

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	CABLE TYPE RG-/U	INSULATION	CRIMP TOOL	PART NUMBER
	Straight Crimp Plug - Captive Contact- Stand-ard Cable  RECOMMENDED CABLE STRIPPING DIMS. Assembly Instruction A - page 89	59/ 62/ 140/ 210	Delrin	A	112119
			Teflon	E	112952*
		59/ U-20AWG	Delrin	A	112507
			Teflon	E	112956*
		11/ U-14AWG/ B8213/ B9292/ B7731/ B1859A	Teflon	D	112606
		6/ 143/ 212	Delrin	E	112508
		B1694A/ B9248	Delrin	E	112565
			Teflon	E	112957*
		6 PLENUM/ B1695A	Delrin	E	112519
		B8281/ B9231/ B9141	Delrin	E	112509
			Teflon	E	112953*
		B1505A	Teflon	E	112951*
		B735A1	Teflon	F	112950*
	Straight Crimp Plug-Captive Contact-Miniature Cable (Remark: With Teflon sleeve / Hex crimp size .178")  RECOMMENDED CABLE STRIPPING DIMS. Assembly Instruction B - page 89	179/ 187/ B9221	Delrin	B	112133
		180/ 195/ 122/ B8218/ B1865A/ B1855	Delrin	B	112521
			Teflon	F	112955*

Note: *True 75 ohm.

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION & CABLE TYPE RG-/U	INSULATION	CRIMP TOOL	PART NUMBER
			Bulkhead Adapter -Isolated Jack to Jack - Straight Bayonet Lock to Bayonet Lock	Teflon	N/A	AC-BNC-JJA-75T*
			Bulkhead Adapter -Isolated Jack to Jack - Straight Push on to Bayonet Lock	Teflon	N/A	AC-BNC-PJA-75T*
			Bulkhead Adapter -Isolated, 'D' Shell Housing Jack to Jack, Bayonet Lock to Bayonet Lock, Nickel Finish	Teflon	N/A	AC-BNC-JJ-75*
			Bulkhead Adapter -Isolated, 'D' Shell Housing Jack to Jack, Bayonet Lock to Bayonet Lock, Black Finish	Teflon	N/A	AC-BNC-JJ-75B*
			Bulkhead Adapter -Isolated, 'D' Shell Housing Jack to Jack, Push on to Bayonet Lock, Nickel Finish	Teflon	N/A	AC-BNC-PJ-75*
			Bulkhead Adapter -Isolated, 'D' Shell Housing Jack to Jack, Push on to Bayonet Lock, Black Finish	Teflon	N/A	AC-BNC-PJ-75B*
			Bulkhead Receptacle -Isolated, 'D' Shell Housing Jack to Solder Bucket with Ground Tag, Nickel Finish	Nylon	N/A	AC-BNC-JS-75
			Bulkhead Receptacle -Isolated, 'D' Shell Housing Jack to Solder Bucket with Ground Tag, Black Finish	Nylon	N/A	AC-BNC-JS-75B
			U - Link Centre to Centre - 20.6 mm Note: Custom Sizes available please contact factory.	Teflon	N/A	BNC-U-LINK 75*1

BNC 75 RF ACCESSORIES AND TOOLING

PRODUCT - FIGURE	DESCRIPTION	DIE CAVITIES	CABLE TYPE RG-/U	CONNECTOR GUIDE	PART NUMBER
	Crimp tool with Die Set	.255 / .213 / .068	59 / 62	A	47-10070
		.178 / .128 / .068	179 / 187 / 180 / 195	B	47-10150
		.429 / .100 / .080	11	D	47-10090
		.324/.255/ .068/.042	6 / 59 / B8281	E	47-10110
		.213/.178 / .068/.042	AT&T 735A, B1855A, B8218	F	47-10120

Note: *True 75 ohm.

BNC PATCH PANELS



Features:

- Amphenol True 75 Ohm Connectors
- Bayonet lock or Push-on types
- Supplied with adhesive strip ID labels

Options:

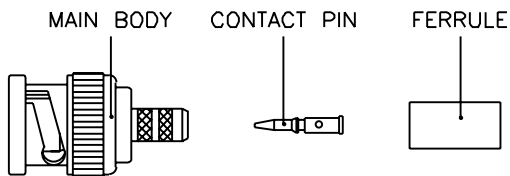
- 1RU, 20 BNC connectors or 2RU, 40 BNC connectors
- Aluminium in Clear or Black anodised
- Steel in Black powder coat
- Customised versions available on request

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	MATERIAL / FINISH	LOADED WITH (refer to page 84 for specifications)	PART NUMBER
1RU 1X20 Patch Panel, Supplied with 1 ID label				Steel / Black	Empty Panel	AC-BNC20M
				Steel / Black	AC-BNC-JJA-75	AC-BNC20MJ75
				Steel / Black	AC-BNC-PJA-75	AC-BNC20MP75
				Aluminium / Clear	Empty Panel	AC-BNC20A
				Aluminium / Clear	AC-BNC-JJA-75	AC-BNC20AJ75
				Aluminium / Clear	AC-BNC-PJA-75	AC-BNC20AP75
				Aluminium / Black	Empty Panel	AC-BNC20B
				Aluminium / Black	AC-BNC-JJA-75	AC-BNC20BJ75
2RU 2X20 Patch Panel, Supplied with 2 ID labels				Steel / Black	Empty Panel	AC-BNC40M
				Steel / Black	AC-BNC-JJA-75	AC-BNC40MJ75
				Steel / Black	AC-BNC-PJA-75	AC-BNC40MP75
				Aluminium / Clear	Empty Panel	AC-BNC40A
				Aluminium / Clear	AC-BNC-JJA-75	AC-BNC40AJ75
				Aluminium / Clear	AC-BNC-PJA-75	AC-BNC40AP75
				Aluminium / Black	Empty Panel	AC-BNC40B
				Aluminium / Black	AC-BNC-JJA-75	AC-BNC40BJ75
Panel ID label				Aluminium / Black	AC-BNC-PJA-75	AC-BNC40BP75
				Plastic	Not Applicable	AC-BNC-LABEL

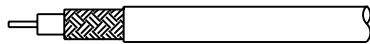
BNC 75 RF ASSEMBLY INSTRUCTIONS

ASSEMBLY A

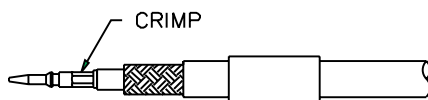
STEP 1



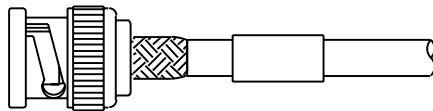
STEP 2



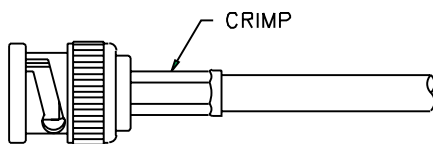
STEP 3



STEP 4



STEP 5



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the connection.

STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalogue.

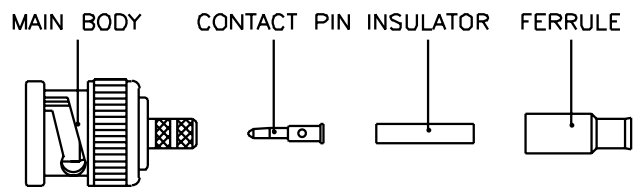
STEP 3. Insert inner conductor into the CONTACT PIN, crimp it with the crimp tool as shown. Then slide the FERRULE onto cable.

STEP 4. Insert the MAIN BODY into braid and dielectric.

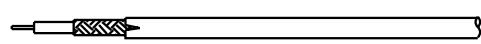
STEP 5. Slide the FERRULE over braid, crimp it with the crimp tool as shown.

ASSEMBLY B

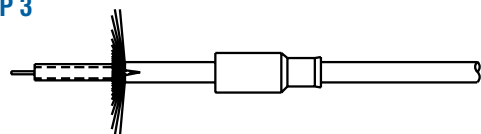
STEP 1



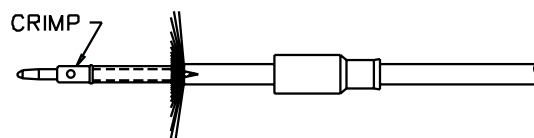
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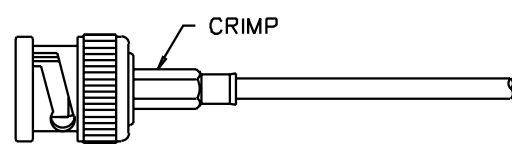
STEP 3



STEP 4



STEP 5



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the connection.

STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalogue.

STEP 3. Slide the FERRULE on to cable, then fold back braid wire and slide the INSULATOR on to dielectric as shown.

STEP 4. Insert inner conductor into the CONTACT PIN, crimp it with crimp tool as shown.

STEP 5. Push cable and parts into the MAIN BODY until it stops. Then slide the FERRULE over braid wire and against the MAIN BODY, crimp it with the crimp tool as shown.

STANDARD DATA BNC 75 RF CONNECTORS

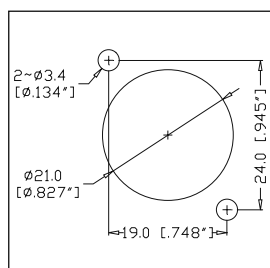
		VALUE	
GENERAL CHARACTERISTICS	Mating	Bayonet Lock	
	Cable Attachment	Crimp - Crimp	
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
ELECTRICAL CHARACTERISTICS	Impedance	75Ω	
	Frequency Range - Standard	0 - 1 GHz	
	- True 75 Ohm	0 - 4 GHz	
	Voltage Rating	500V RMS	
	Dielectric withstanding voltage	1500 Volts RMS	
	VSWR - Standard	1.05+0.1f(GHz) DC to 1 GHz	
	- True 75 Ohm	1.5+0.1f(GHz) DC to 4 GHz	
	Contact Resistance	1.5 milliohm	
MATERIALS	Centre Contact	1.5 milliohm	
	Outer Contact	1.0 milliohm	
	Insulation Resisance	5000 MΩ (min.)	
	Part	Material	Finish
	Body, Coupling sleeves	Brass	Nickel
	Crimp Ferrule	Annealed Copper	Nickel
	Male Contact	Brass	Gold
	Female Contact	Beryllium Copper or Phosphor Bronze	Gold
	XLR Housing	Diecast Zinc Alloy	Satin Nickel or Black Polyester
	Insulators	Teflon or Delrin	Natural

Rev 4 - 03/2013

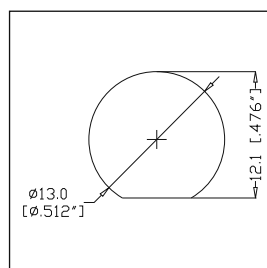
NOTE: These characteristics are typical and may not apply to all connectors.

PANEL CUTOUTS - FRONT VIEW

AC-BNC-PJ-75
AC-BNC-JJ-75



AC-BNC-PJA-75
AC-BNC-JJA-75





1/4" PHONE CONNECTORS

Amphenol offers two ranges of 1/4" Phone plug connectors to satisfy the needs of the manufacturer and the end user. The PRO – a heavy duty on-road plug and the MUSICIAN - a solid performing general use plug. Both series offer different features and benefits and the most suitable type will be determined by application, budget and personal choice.

Applications

- Audio Cables and Snakes
- Amplifiers
- Speakers
- Mixing desks
- Rack mount equipment
- Patch panel

Features / Options – PRO RANGE 1/4" Phone Plug T-Series.

- Mono or Stereo (TRS)
- Switching Plugs
- Stylised shell design with Ergonomic grip
- Nickel or Gold contact plating
- Straight or Right Angle
- Keyed Shell
- Optional heavy duty metal backshell / boot
- Great solderability
- Increased solder area on ground contact
- "Jaws" Cable Clamp
- Precision machined contacts
- Coloured Grommet
- JUMBO Series Plugs

Features / Options – MUSICIAN RANGE 1/4" Phone Plug

- Mono or Stereo (TRS)
- Compact Shell
- Straight or Right angle
- Stylish shell design
- Flexible grommet cable protection
- Nickel or Gold contact plating
- Satin Nickel or Black finish
- Diecast shell
- Coloured Grommet

Jaws Cable Clamp Options for T-Series*



Standard Jaws cable clamp (Black), Cable O.D 3mm to 6mm (0.118" to 0.236")



Large Jaws cable clamp (Purple), Cable O.D 6mm to 7mm (0.236" to 0.275")

*Note: Applicable to T-Series straight cable connectors only. Refer to page 98 for right angle connector Jaws cable clamp specifications.

Musician Range Cable Clamp Options



M-Series, Cable O.D 3mm to 6.5mm (0.118" to 0.256")



M-Series II, Cable O.D 6.5mm to 8mm (0.256" to 0.315")

Ordering Codes

We have listed the more common ordering codes in each section. Refer to our 1/4" plug product feature matrix found on the next page for assistance on selecting the right plug for your application.

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

1/4" PLUG FEATURE MATRIX

FEATURES		T SERIES (STRAIGHT)	T SERIES (RIGHT ANGLE)	JUMBO T SERIES	SWITCHPLUG T SERIES (STRAIGHT)	SWITCHPLUG T SERIES (RIGHT ANGLE)	M SERIES	M SERIES II	CUSTOM SERIES ¹
PRECISION MACHINED CONTACTS		X	X	X	X	X	X	X	X
CENTER CONTACT	1 pc. Center Contact	X	X	X	X	X			X*
	2 pc Press Fit Tip/Center Contact					X	X		X*
BARREL:	Machined Tube	X	X	X	X	X			
	Precision Extruded Tube					X	X		X
JAWS CABLE CLAMP		X	X		X	X			
MIN. CABLE OD	Black Jaw: 3mm/0.118"	X	X		X	X			
	Purple Jaw: 6mm/0.236"	X			X				
	Purple Jaw: 5.5mm/0.216"		X		X				
MAX. CABLE OD	Black Jaw: 6mm/0.236"	X			X				
	Black Jaw: 5.5mm/0.216"		X		X				
	Purple Jaw: 7.5mm/0.295"	X			X				
	Purple Jaw: 6.5mm/0.255"		X		X				
STANDARD CABLE CLAMP				X			X	X	X
MIN. CABLE OD	7.5mm/0.295"			X					
MAX. CABLE OD	6mm/0.236"					X			
	8mm/0.315"						X		
	8.8mm/0.345"								X
	10.5mm/0.413"			X					
BACKSHELL FINISH	Satin Nickel	X	X	X	X	X	X	X	
	Black	X	X	X	X	X	X	X	
	Bright Nickel								X
	Bright Gold								X
CONTACT MATERIAL/ FINISH OPTIONS	Brass/Nickel (Ni)	X	X	X	X	X	X	X	X
	Brass/Gold over 2µm (Ni)	X	X	X	X	X	X	X	X

¹Custom Series - Minimum order quantities apply. Contact us for further details.



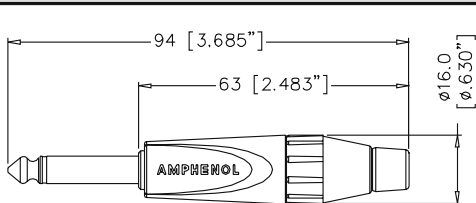
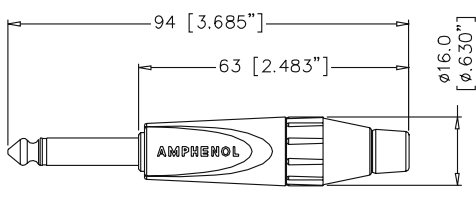
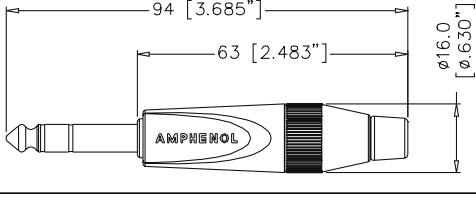
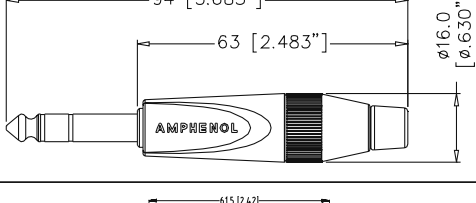
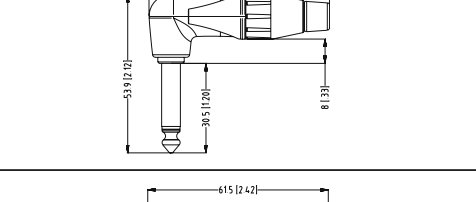
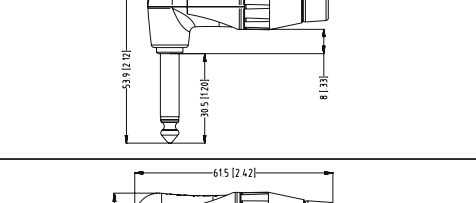
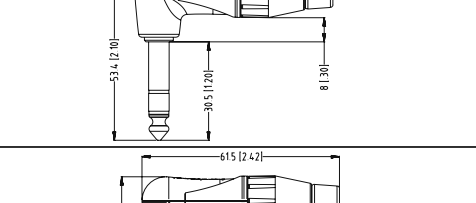
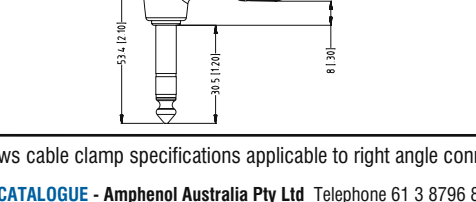
Features:

- Mono or Stereo (TRS).
- Stylised shell design with Ergonomic grip.
- Straight or Right Angle.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Keyed shell.
- Optional heavy duty metal backshell / boot.
- Great solderability.
- Increased solder area on ground contact.
- "Jaws" Cable Clamp.
- Precision machined contacts.
- Quick and easy assembly.

Options: Gold Contacts, Large or Small Jaws Cable Clamp, Black Shell, Metal Backshell / Boot, Bulk Pack. Coloured grommets (ordered separately)

Part Number Breakdown: Page 97 Specifications: Page 98

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) Mono Phone plug, Jaws cable clamp, Thermoplastic back-shell, Satin finish.	Standard	TM2P
			Gold Plated Contacts	TM2P-AU
			Large Cable Clamp	TM2PJ
			Bulk Pack	TM2P BULK
		1/4" (6.35mmø) Mono Phone plug, Jaws cable clamp, Thermoplastic back-shell, Black finish.	Standard	TM2PB
			Gold Plated Contacts	TM2PB-AU
			Large Cable Clamp	TM2PBJ
			Bulk Pack	TM2PB BULK
		1/4" (6.35mmø) Stereo Phone plug, Jaws cable clamp, Thermoplastic back-shell, Satin finish.	Standard	TS3P
			Gold Plated Contacts	TS3P-AU
			Large Cable Clamp	TS3PJ
			Bulk Pack	TS3P BULK
		1/4" (6.35mmø) Stereo Phone plug, Jaws cable clamp, Thermoplastic back-shell, Black finish.	Standard	TS3PB
			Gold Plated Contacts	TS3PB-AU
			Large Cable Clamp	TS3PBJ
			Bulk Pack	TS3PB BULK

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) Mono Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard	TM2PN
			Gold Plated Contacts	TM2PN-AU
			Large Cable Clamp	TM2PNJ
			Bulk Pack	TM2PN BULK
		1/4" (6.35mmø) Mono Phone plug, Jaws cable clamp, Metal backshell, Black finish.	Standard	TM2PBM
			Gold Plated Contacts	TM2PBM-AU
			Large Cable Clamp	TM2PBMJ
			Bulk Pack	TM2PBM BULK
		1/4" (6.35mmø) Stereo Phone plug, Jaws cable clamp, Metal backshell, Satin finish.	Standard	TS3PN
			Gold Plated Contacts	TS3PN-AU
			Large Cable Clamp	TS3PNJ
			Bulk Pack	TS3PN BULK
		1/4" (6.35mmø) Stereo Phone plug, Jaws cable clamp, Metal backshell, Black finish.	Standard	TS3PBM
			Gold Plated Contacts	TS3PBM-AU
			Large Cable Clamp	TS3PBMJ
			Bulk Pack	TS3PBM BULK
		1/4" (6.35mmø) Mono Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back-shell, Satin finish.	Standard	TM2RJ
			Gold Plated Contacts	TM2RJ-AU
			Small Cable Clamp	TM2R
			Bulk Pack	TM2RJ BULK
		1/4" (6.35mmø) Mono Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back-shell, Black finish.	Standard	TM2RBJ
			Gold Plated Contacts	TM2RBJ-AU
			Small Cable Clamp	TM2RB
			Bulk Pack	TM2RBJ BULK
		1/4" (6.35mmø) Stereo Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back-shell, Satin finish.	Standard	TS3RJ
			Gold Plated Contacts	TS3RJ-AU
			Small Cable Clamp	TS3R
			Bulk Pack	TS3RJ BULK
		1/4" (6.35mmø) Stereo Phone plug, Right angle, Jaws cable clamp*, Thermoplastic back-shell, Black finish.	Standard	TS3RBJ
			Gold Plated Contacts	TS3RBJ-AU
			Small Cable Clamp	TS3RB
			Bulk Pack	TS3RBJ BULK

*NOTE: Refer to page 98 for Jaws cable clamp specifications applicable to right angle connectors.

T-SERIES SWITCHPLUG

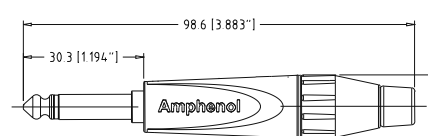
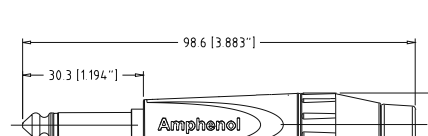
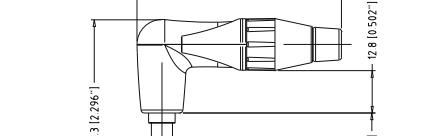
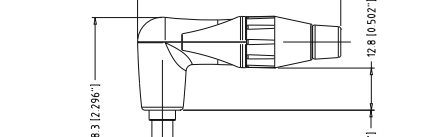


The Amphenol T series SwitchPlug uses a unique 360 degree precision sliding helical spring contact design to quietly and accurately switch the signal circuit safely to ground during instrument changes under load, thereby avoiding annoying thumps, pops and squeals. The sliding ring contact self-cleans every time the plug is connected preventing excessive build up of oxidization and contamination. Activation is directly off the jacks full front face assuring a positive reference point every time, and as it works instantaneously on the main circuits there is no need for the use of magnets or other elaborate switching mechanisms.

WARNING!
For use with
instrument (guitar)
applications only.

Part Number Breakdown: Page 97
Specifications: Page 98

US Patent No.8,162,697

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		98.6 [3.883"] 30.3 [1.194"] ø16 [0.630"]	1/4" (6.35mmø) Switch Phone plug, Jaws cable clamp, Thermoplastic backshell, Satin finish	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TM1P TM1P-AU TM1PJ TM1P BULK
		98.6 [3.883"] 30.3 [1.194"] ø16 [0.630"]	1/4" (6.35mmø) Switch Phone plug, Jaws cable clamp, Thermoplastic backshell, Black finish	Standard Gold Plated Contacts Large Cable Clamp Bulk Pack	TM1PB TM1PB-AU TM1PBJ TM1PB BULK
		615 [24.20"] 58.3 [2.296"] 12.8 [0.502"] 30.3 [1.193"]	1/4" (6.35mmø) Switch Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell, Satin Finish	Standard Gold Plated Contacts Bulk Pack	TM1RJ* TM1RJ-AU* TM1RJ BULK*
		615 [24.20"] 58.3 [2.296"] 12.8 [0.502"] 30.3 [1.193"]	1/4" (6.35mmø) Switch Phone plug, Right angle, Jaws cable clamp*, Thermoplastic backshell, Black Finish	Standard Gold Plated Contacts Bulk Pack	TM1RBJ* TM1RBJ-AU* TM1RBJ BULK*

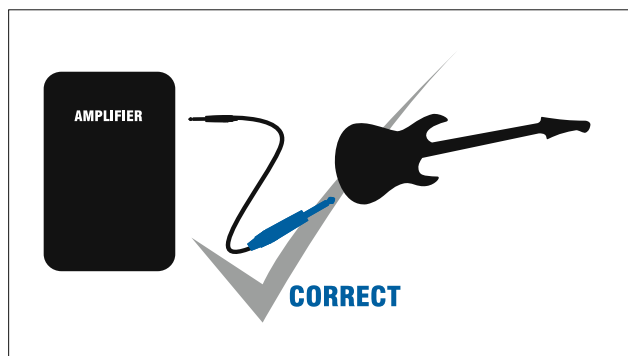
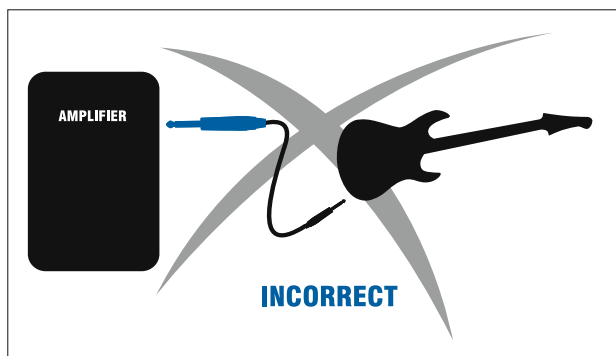
*NOTE: Refer to page 98 for Jaws cable clamp specifications applicable to right angle connectors.

SwitchPlug - User Instruction

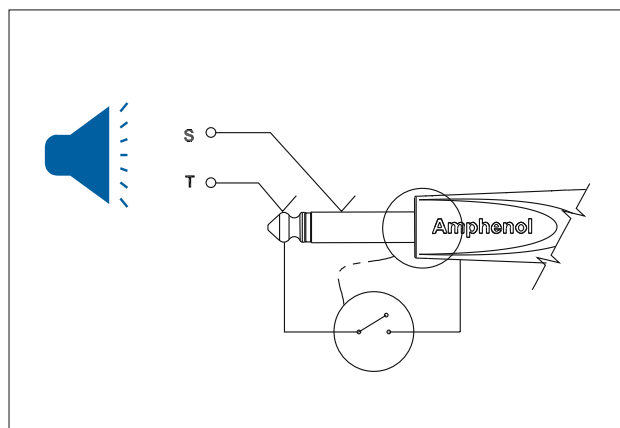
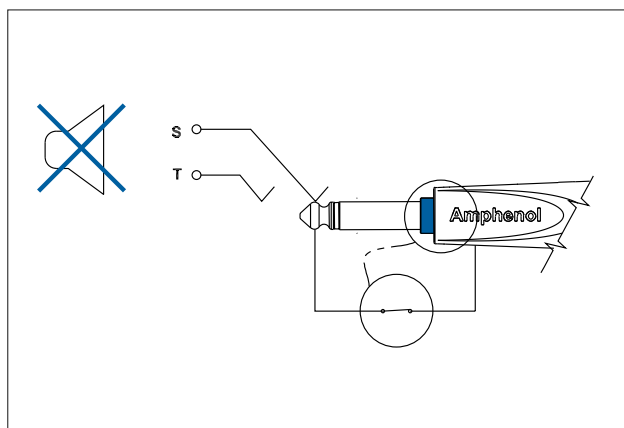


CAUTION!

Use with instrument (guitar) cables only.
DO NOT connect to amplifier output.
Equipment damage may result from incorrect use.



SwitchPlug - Technology*



*US Patent No. 8,162,697

JUMBO T-SERIES (PRO RANGE)

Features:

- JUMBO Cable clamping capacity
- Suits Cable OD 7.5mm (0.295") to 10.5mm (0.413")
- Mono or Stereo (TRS).
- Stylised shell design with Ergonomic grip.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Keyed shell.
- Great solderability.
- Increased solder area on ground contact.
- Precision machined contacts.
- Quick and easy assembly.

Options: Gold Contacts, Bulk Pack.

Specifications: Page 98

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) JUMBO Mono Phone plug, Thermoplastic back- shell, Satin finish.	Standard	JM2P
			Gold Plated Contacts	JM2P-AU
			Bulk Pack	JM2P BULK
		1/4" (6.35mmø) JUMBO Mono Phone plug, Thermoplastic back- shell, Black finish.	Standard	JM2PB
			Gold Plated Contacts	JM2PB-AU
			Bulk Pack	JM2PB BULK
		1/4" (6.35mmø) JUMBO Stereo Phone plug, Thermoplastic back- shell, Satin finish.	Standard	JS3P
			Gold Plated Contacts	JS3P-AU
			Bulk Pack	JS3P BULK
		1/4" (6.35mmø) JUMBO Stereo Phone plug, Thermoplastic back- shell, Black finish.	Standard	JS3PB
			Gold Plated Contacts	JS3PB-AU
			Bulk Pack	JS3PB BULK

NOTE: Contact factory for availability of metal backshells.

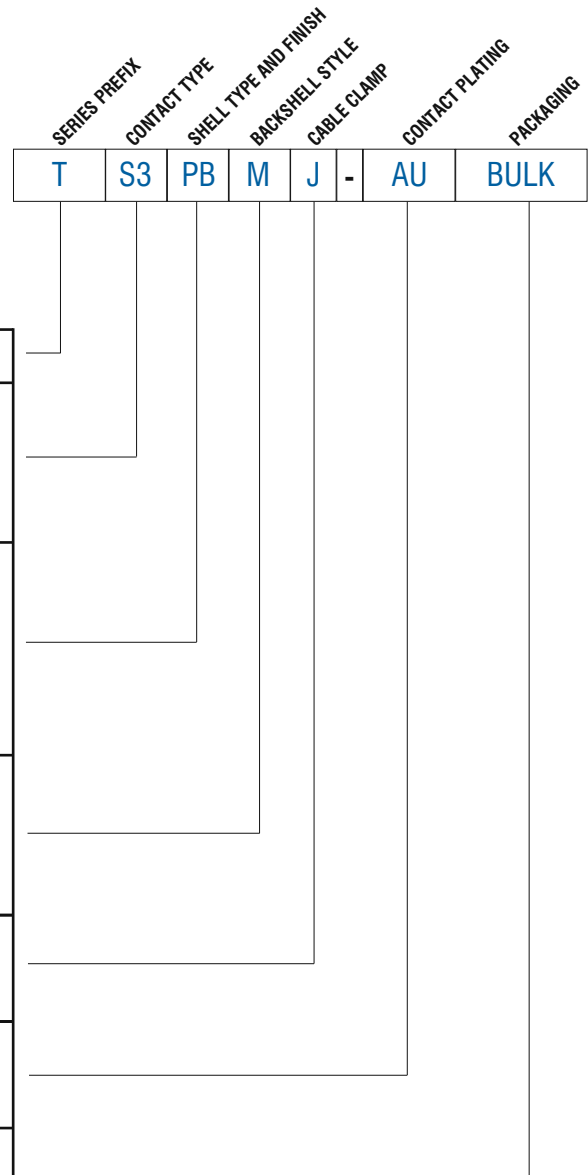
PART NUMBER BREAKDOWN

T-SERIES (PRO RANGE)

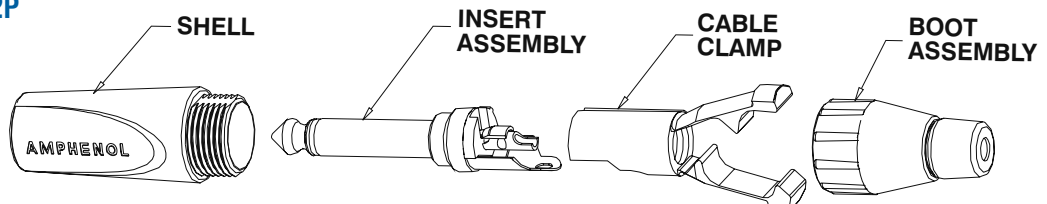
E. G. **TS3PBMJ-AU BULK**

T (Series Prefix), **S3** (Stereo), **P** (Plug Black), **M** (Metal Nut (Black)), **J** (Large Jaws),
- **AU** (Gold Plated Contacts), **Bulk** Packaged.

SERIES PREFIX	T	=	Series Prefix
CONTACT TYPE	M1	=	Switch Plug
	M2	=	2 Pole (mono)
	S3	=	3 Pole, tip/ring/sleeve (stereo)
SHELL TYPE AND FINISH	P	=	Plug Satin Nickel
	PB	=	Plug Matt Black
	R	=	Right Angle Plug Satin Nickel
	RB	=	Right Angle Plug Matt Black
BACKSHELL TYPE	Blank	=	Plastic Nut
	M	=	Metal Nut - Black
	N	=	Metal Nut - Satin Nickel
CABLE CLAMP	Blank	=	Small Jaws
	J	=	Large Jaws
CONTACT PLATING	Blank	=	Nickel Plated Contacts (Standard)
	AU	=	Gold Plated Contacts
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



ISO VIEW OF TM2P



1/4" PHONE PLUG TECHNICAL DATA

		VALUE		
		Straight	Right Angle	Jumbo
GENERAL CHARACTERISTICS	Number of Contacts	3 Pole Tip Ring Sleeve (Stereo)		
	Termination	Solder		
	Max. Wire Gauge - Stranded Wire	2 Pole (Mono): AWG 16 - 1.5mm ² 3 Pole (Stereo): AWG 18 - 1mm ²		
	Flammability rating of insulating plastics	UL94V-0		
	Solderability, complies with	IEC 68-2-20		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	10A (Depends on Mating Connector and Cable)		
	Typical Contact Resistance	Depends on Mating Connector		
	Insulation resistance (initial)	>2GΩ		
	After Damp Heat Test	≥1GΩ		
	Dielectric Withstand Voltage	2 Pole : 1.5 kV dc 3 Pole : 1 kV dc		
CLIMATIC CHARACTERISTICS	Protection Class	IP40		
	Operating Temperature	-25°C to +75°C (-13°F to + 167°F)		
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal Force	≥10N - ≤30N		
	Weight ¹⁾ - Thermoplastic Backshell	28g (0.061lb)		
	Weight ¹⁾ - Metal Backshell	35g (0.077lb)		
	Typical Cable Retention Force	22kg to 44kg (50lb to 100lb) - Dependent on cable material and diameter.		
	Cable O.D. - Standard Jaw	3mm to 6mm (0.118" to 0.236")	3mm to 5.5mm (0.118" to 0.216")	NA
	Cable O.D. - Large Jaw	6mm to 7mm (0.236" to 0.275")	5.5mm to 6.5mm (0.216" to 0.255")	NA
	Cable O.D. - Jumbo	NA	NA	7.5mm to 10.5mm (0.295" to 0.413")
MATERIALS	Mechanical Operations	1000		
	Connector Shell Material	Diecast Zinc Alloy EZDA No.3		
	Shell Finish	Satin Nickel or Black Polyester		
	Insulators	UL94 V-0 PBT Resin or Modified PPE Resin - Black		
	Boot / Backshell	UL94 V-0 PBT Resin or Modified PPE Resin - Black or Metal CuZn ³⁹ Pb ³		
	Cable Clamp	UL94 V-0 PBT Modified PPO Resin - Black		
	Cable Bushing	Santoprene		
	Contacts / Plating	Brass/Ni or Au over 2µm Ni		

¹⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

MUSICIAN SERIES II



Features:

- Mono or Stereo (TRS).
- AX Series inspired shell design.
- Large cable O.D. Entry to 8mm (0.315")
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Flexible grommet cable protection.
- Improved solderability.
- Precision machined contacts.
- Standard or Bulk packaging.

Options: Black Shell, Gold contacts.
Coloured grommets (ordered separately)

Specifications: Page 112

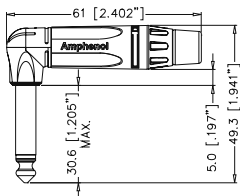
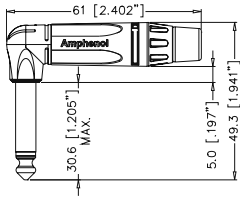
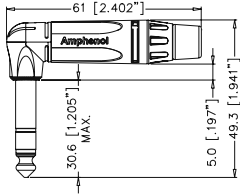
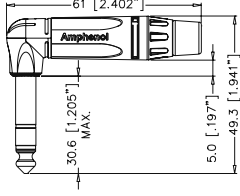
Clamp Info:



Cable O.D 6.5mm to 8mm
(0.256" to 0.315")

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-KN
			Gold Plated Contacts	ACPM-KN-AU
			Bulk Pack	ACPM-KN-BULK
		1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-KB
			Gold Plated Contacts	ACPM-KB-AU
			Bulk Pack	ACPM-KB BULK
		1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-KN
			Gold Plated Contacts	ACPS-KN-AU
			Bulk Pack	ACPS-KN BULK
		1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-KB
			Gold Plated Contacts	ACPS-KB-AU
			Bulk Pack	ACPS-KB BULK

M SERIES II (MUSICIAN RANGE)

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-TN
				Gold Contacts	ACPM-TN-AU
				Bulk Pack	ACPM-TN BULK
			1/4" (6.35mmø) Mono Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-TB
				Gold Contacts	ACPM-TB-AU
				Bulk Pack	ACPM-TB BULK
			1/4" (6.35mmø) Stereo Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-TN
				Gold Contacts	ACPS-TN-AU
				Bulk Pack	ACPS-TN BULK
			1/4" (6.35mmø) Stereo Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-TB
				Gold Contacts	ACPS-TB-AU
				Bulk Pack	ACPS-TB BULK

M SERIES (MUSICIAN RANGE)



Features:

- Mono or Stereo (TRS).
- Stylish shell design.
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Flexible grommet cable protection.
- Improved solderability.
- Precision machined contacts.
- Standard or Bulk packaging.
- Cable OD Entry to 6.5mm (0.256")

Options: Black Shell, Gold contacts.
Coloured grommets (ordered separately)

Specifications: Page 112

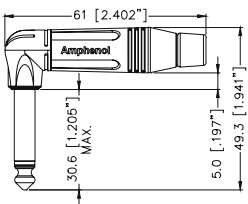
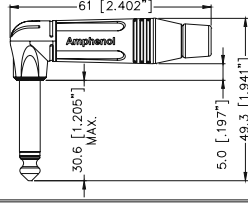
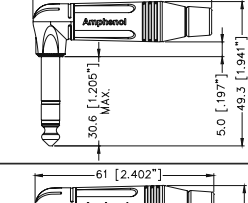
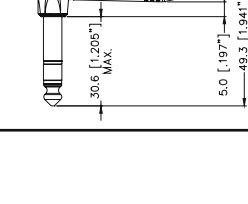
Clamp Info:



Cable O.D 3mm to 6.5mm
(0.118" to 0.256")

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-GN
			Gold Plated Contacts	ACPM-GN-AU
			Bulk Pack	ACPM-GN BULK
		1/4" (6.35mmø) Mono Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-GB
			Gold Plated Contacts	ACPM-GB-AU
			Bulk Pack	ACPM-GB BULK
		1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-GN
			Gold Plated Contacts	ACPS-GN-AU
			Bulk Pack	ACPS-GN BULK
		1/4" (6.35mmø) Stereo Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-GB
			Gold Plated Contacts	ACPS-GB-AU
			Bulk Pack	ACPS-GB BULK

M SERIES (MUSICIAN RANGE)

PRODUCT - FIGURE	DRAWING	DESCRIPTION	TYPE	PART NUMBER
		1/4" (6.35mmØ) Mono Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPM-RN
			Gold contacts	ACPM-RN-AU
			Bulk Pack	ACPM-RN BULK
		1/4" (6.35mmØ) Mono Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPM-RB
			Gold contacts	ACPM-RB-AU
			Bulk Pack	ACPM-RB BULK
		1/4" (6.35mmØ) Stereo Phone plug, Right angle, Diecast Shell, Satin finish, Flexible grommet.	Standard	ACPS-RN
			Gold contacts	ACPS-RN-AU
			Bulk Pack	ACPS-RN BULK
		1/4" (6.35mmØ) Stereo Phone plug, Right angle, Diecast Shell, Black finish, Flexible grommet.	Standard	ACPS-RB
			Gold contacts	ACPS-RB-AU
			Bulk Pack	ACPS-RB BULK

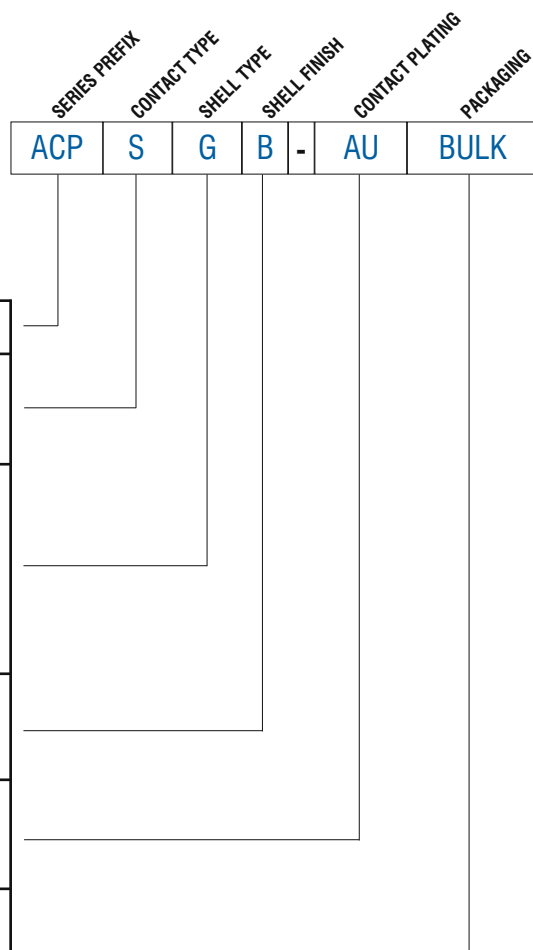
PART NUMBER BREAKDOWN

M / M SERIES II (MUSICIAN RANGE)

E. G. **ACPM-GB-AU BULK**

ACP (Series Prefix), **M**ale, **G**(Shell Type), **B**lack,
- **AU** (Gold Plated Contacts), **BULK** Packaged.

SERIES PREFIX	ACP	=	Series Prefix
CONTACT TYPE	M	=	2 pole (Mono)
	S	=	3 pole Tip/Ring/Sleeve (Stereo)
SHELL TYPE	G	=	M Series Straight
	K	=	M Series II Straight
	R	=	M Series Right Angle
	T	=	M Series II Right Angle
SHELL FINISH	N	=	Satin Nickel
	B	=	Matt Black
CONTACT PLATING	Blank	=	Nickel Plating
	AU	=	Gold Plated
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed





1/4" PHONE JACK CONNECTORS

Amphenol phone connectors are available in 1/4" (6.35mm) and 3.5mm jack sockets or dual jack socket versions featuring combinations of both sizes. The standard heavy duty contacts provide excellent signal performance and the rugged designs excel in professional audio applications. Our wide range of options ensures we have the connector to suit your specific requirements. Custom jacks can also be developed to suit unique applications on request.

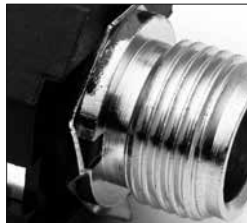
Applications

- Audio Cables and Snakes
- Amplifiers
- Speakers
- Mixing desks
- Rack mount equipment
- Patch panel

Features / Options – OEM RANGE Phone Jack

- Mono or Stereo (TRS)
- Stackable (Piggy back) mounting
- Vertical or horizontal PCB mount
- Mono and Stereo switched contacts
- Solder contacts
- Combo Contacts
- Metal nut
- Plastic Nut
- 1/4" (6.35mm)
- 3.5mm
- Dual 1/4" (6.35mm) and 3.5mm
- EMI Shielding plates
- Metal Mounting threads
- Plastic Mounting threads
- Chassis Ground connections
- Half, Full or No threads
- Grounded or Isolated Jacks

1/4" Phone Jack Grounding/ Shielding Options



1/4" Gripper - Grounding points



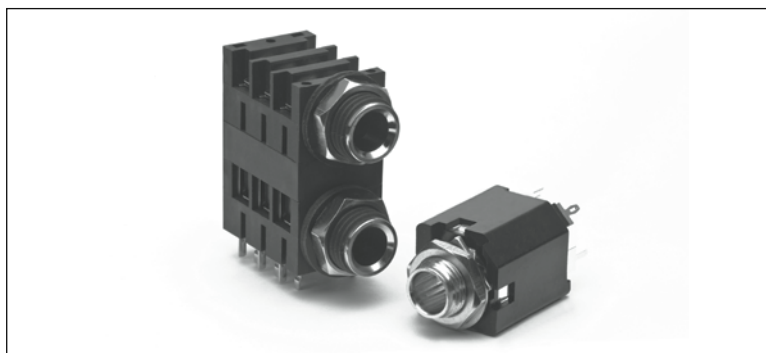
1/4" Shielding Plate

Ordering Codes

We have listed the more common ordering codes in each section. Please contact us if you need any further assistance.

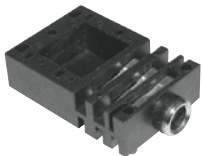
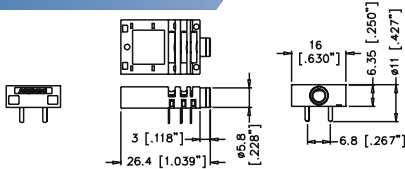
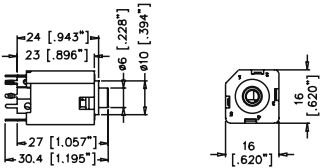
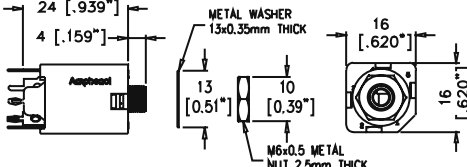
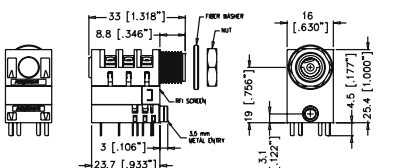
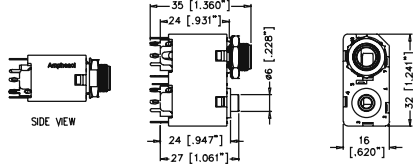
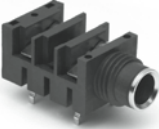
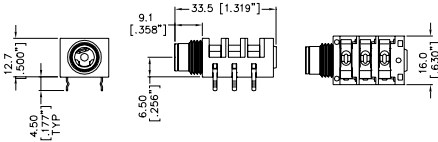
Simple steps to guide you in using this catalogue

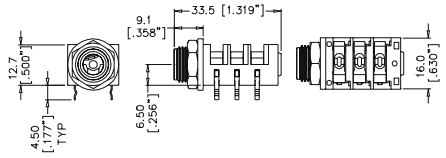
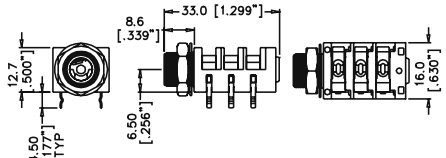
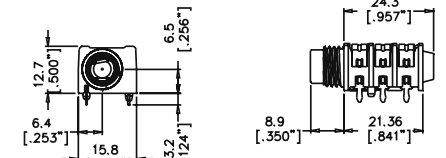
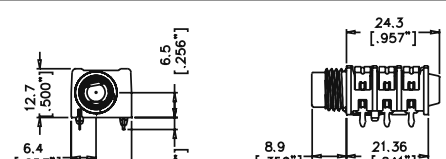
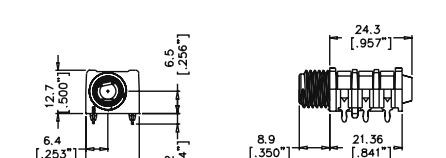
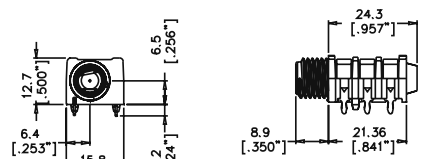
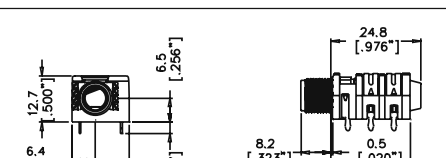
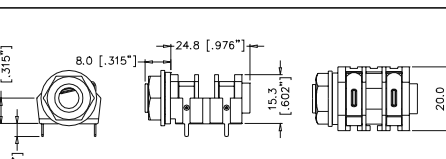
- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

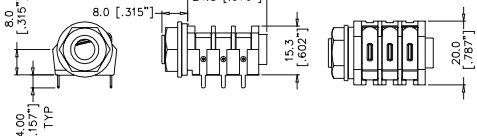
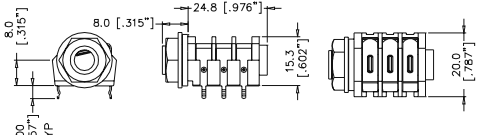
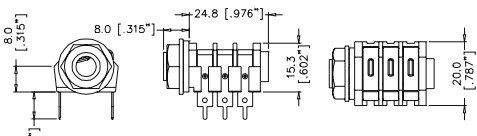
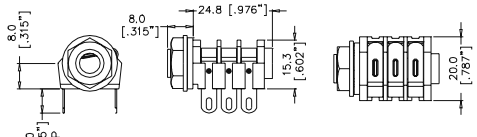
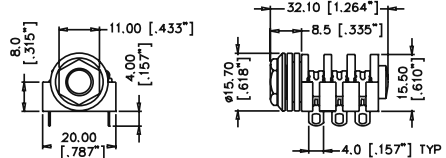
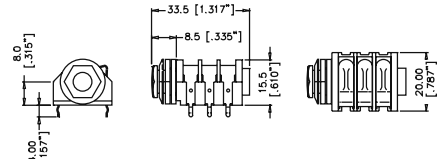
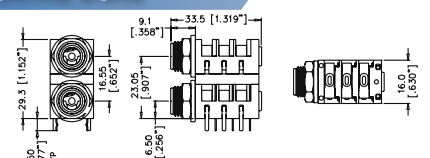
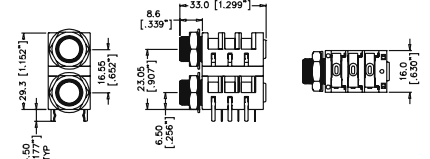

Features:

- 3.5mm and 6.35mm (1/4") options
- Mono or Stereo (TRS)
- Single or Dual mounting
- Vertical or Horizontal PCB mount
- Mono and Stereo with switching contacts
- Solder or Combo contacts
- Various mounting option

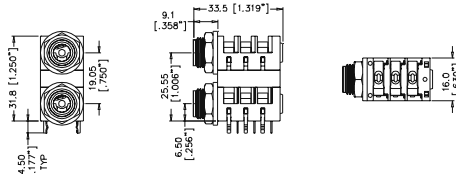
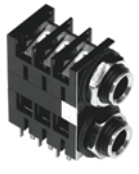
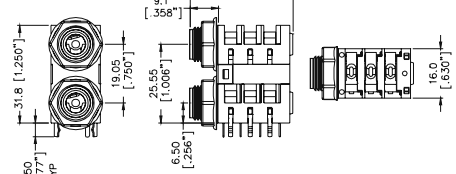
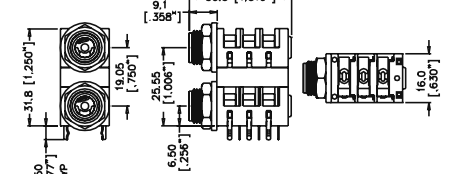
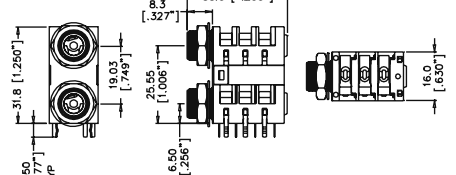
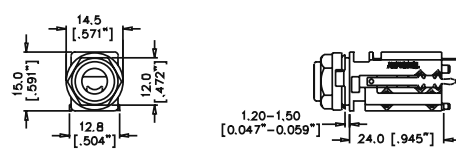
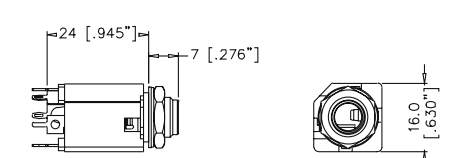
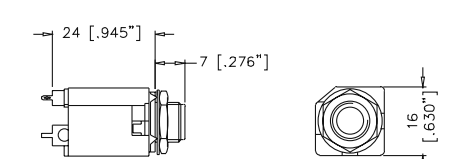
Schematic Chart: Page 110
Panel Cutouts: Page 109
PCB Footprints: Page 111
Specifications: Page 112

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
3.5MM PHONE JACKS					
			3.5mm Jack, Horizontal PCB, Plastic housing, Metal entry bore	Mono	ACJM-NH35
				Stereo	ACJS-NH35
			3.5mm Jack, Vertical PCB mount, Needle eye contacts, Plastic housing, Metal entry bore	Refer to Schematic Chart on page 110	ACJM-NV35-2
					ACJM-NV35-2S
					ACJS-NV35-3
					ACJS-NV35-3S
					ACJS-NV35-5
			3.5mm Jack, Vertical PCB mount, Needle eye contacts, Plastic housing, Metal thread and entry bore	Refer to Schematic Chart on page 110	ACJM-MV35-2
					ACJM-MV35-2S
					ACJS-MV35-3
					ACJS-MV35-3S
					ACJS-MV35-5
			3.5mm / 1/4" (6.35mm) Dual Phone Jack, (Piggy-back), Horizontal PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHD985
				Stereo	ACJS-MHD985
			3.5mm / 1/4" (6.35mm) Dual Phone Jack, Vertical PCB mount, Needle eye contacts, Plastic housing, Metal nut and entry bore	Refer to Schematic Chart on page 110	ACJM-MVD985-2
					ACJM-MVD985-2S
					ACJS-MVD985-3
					ACJS-MVD985-3S
					ACJS-MVD985-5
1/4" PHONE JACKS HORIZONTAL					
			1/4" (6.35mm) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Half thread, Metal entry bore. Supplied without mounting hardware.	Mono	ACJM-HHDR
				Stereo	ACJS-HHDR

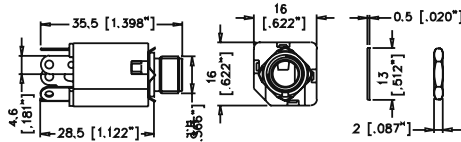
PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		1/4" (6.35mm) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHDR
			Stereo	ACJS-MHDR
		1/4" (6.35mm) Phone Jack, Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut, washer and entry bore	Mono	ACJM-MHDM
			Stereo	ACJS-MHDM
		1/4" (6.35mm) Offset Jack, Horizontal PCB mount, Plastic housing and entry bore with Half thread. Supplied without mounting hardware.	Refer to Schematic Chart on page 110	ACJM-HHOP
				ACJS-HHOP
		1/4" (6.35mm) Offset Jack, Horizontal PCB mount, Plastic housing and entry bore with Half thread. Supplied without mounting hardware.	Refer to Schematic Chart on page 110	ACJM-HHOP-1
				ACJS-HHOP-1
		1/4" (6.35mm) Offset Jack, Horizontal PCB mount, Plastic housing, thread and entry bore	Mono - Plastic Nut	ACJM-PHOP
			Mono - Metal Nut	ACJM-MHOP
			Stereo - Plastic Nut	ACJS-PHOP
			Stereo - Metal Nut	ACJS-MHOP
		1/4" (6.35mm) Offset Jack, Horizontal PCB mount, Plastic housing, thread and entry bore. Non-switching sleeve contact with separate grounding to panel.	Refer to Schematic Chart on Page 110 PHOP - Denotes Plastic Nut MHOP - Denotes Metal Nut	ACJM-PHOP-1
				ACJM-MHOP-1
				ACJS-PHOP-1
				ACJS-MHOP-1
		1/4" (6.35mm) Offset Jack, Horizontal PCB mount, Plastic housing, Metal thread and entry bore with Chassis ground connection	Mono - Metal Nut	ACJM-MHOM
			Stereo - Metal Nut	ACJS-MHOM
		1/4" (6.35mm) Jack, Horizontal PCB mount, Plastic housing with metal insert	Mono - Plastic Nut	ACJM - PH
			Mono - Metal Nut	ACJM - MH

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmø) Jack, Horizontal PCB mount, Plastic housing with metal insert	Stereo - Plastic Nut	ACJS - PH
				Stereo - Metal Nut	ACJS - MH
			1/4" (6.35mmø) Jack, Horizontal Snap-fit PCB mount, Plastic housing with metal insert	Mono - Plastic Nut	ACJM-PHR
				Mono - Metal Nut	ACJM-MHR
				Stereo - Plastic Nut	ACJS-PHR
				Stereo - Metal Nut	ACJS-MHR
			1/4" (6.35mmø) Jack, Combination Horizontal PCB and Solder lug, Plastic housing with metal insert	Mono - Plastic Nut	ACJM-PC
				Mono - Metal Nut	ACJM-MC
				Stereo - Plastic Nut	ACJS-PC
				Stereo - Metal Nut	ACJS-MC
			1/4" (6.35mmø) Jack, Solder Lug, Plastic housing with metal insert	Mono - Plastic Nut	ACJM-PHS
				Mono - Metal Nut	ACJM-MHS
				Stereo - Plastic Nut	ACJS-PHS
				Stereo - Metal Nut	ACJS-MHS
			1/4" (6.35mmø) Jack, Solder Lug, Plastic housing and Bezel with threaded Metal nut.	Mono	ACJM-IHS
				Stereo	ACJS-IHS
			1/4" (6.35mmø) Jack, Horizontal PCB mount, Plastic housing and Bezel with threaded Metal nut.	Mono	ACJM-IH
				Stereo	ACJS-IH
" PHONE JACKS HORIZONTAL DUAL			1/4" (6.35mmø) Dual Phone Jack (Compact Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHDC*
			1/4" (6.35mmø) Dual Phone Jack (Compact Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut and entry bore	Stereo	ACJS-MHDC*
			1/4" (6.35mmø) Dual Phone Jack (Compact Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut and entry bore	Mono	ACJM-MHDCM
				Stereo	ACJS-MHDCM

* This product protected by U.S. patent No. 6,116,959

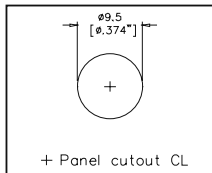
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mmØ) Dual Phone Jack (Piggyback) Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHD*
				Stereo	ACJS-MHD*
			1/4" (6.35mmØ) Dual Phone Jack (Piggyback) Shielding plate, Horizontal Snap-fit PCB, Plastic housing, Metal nut and entry bore	Mono	ACJM-MHDE*
				Stereo	ACJS-MHDE*
			1/4" (6.35mmØ) Dual Phone Jack (Piggyback), Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut, washer and entry bore	Mono	ACJM-MHDM*
				Stereo	ACJS-MHDM*
			1/4" (6.35mmØ) Dual Phone Jack (Piggyback), Shielding plate Horizontal Snap-fit PCB, Plastic housing, Metal thread, nut and entry bore	Mono	ACJM-MHDEM*
				Stereo	ACJS-MHDEM*
" PHONE JACKS VERTICAL			1/4" (6.35mmØ) Jack, Vertical PCB mount, Plastic housing, nut and entry bore	Refer to Schematic Chart on page 110	ACJM-PVB-2 ACJM-PVB-2S ACJS-PVB-3 ACJS-PVB-3S ACJS-PVB-5
			1/4" (6.35mmØ) Jack, Vertical PCB mount, Needle eye contacts, Plastic thread, Metal nut and insert	Refer to Schematic Chart on page 110	ACJM-MIV-2 ACJM-MIV-2S ACJS-MIV-3 ACJS-MIV-3S ACJS-MIV-5
			1/4" (6.35mmØ) Jack, Vertical PCB mount, Needle eye contacts, Star washer, Metal nut and insert	Refer to Schematic Chart on page 110	ACJM-MN-2 ACJS-MN-3 ACJM-MN-2S ACJS-MN-3S ACJS-MN-5
			1/4" (6.35mmØ) Jack, Vertical PCB mount, Metal nut and insert	Refer to Schematic Chart on page 110	ACJM-MV-2 ACJM-MV-2S ACJS-MV-3 ACJS-MV-3S ACJS-MV-5

* This product protected by U.S. patent No. 6,116,959

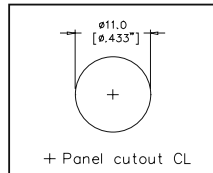
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			1/4" (6.35mm) Jack, Solder Lug, Metal nut and insert	Refer to Schematic Chart on Page 110	ACJM-MVS-2 ACJM-MVS-2S ACJS-MVS-3 ACJS-MVS-3S ACJS-MVS-5

PANEL CUTOUTS

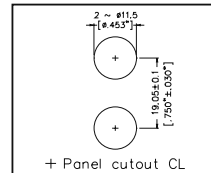
-FRONT VIEW



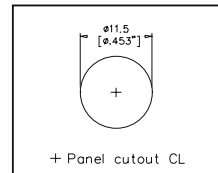
ACJM-MV
ACJS-MV
ACJM-MN-2
ACJS-MN-3
ACJM-MN-2S
ACJS-MN-3S
ACJM-MN-5
ACJS-MN-5
ACJM-MIV
ACJS-MIV
ACJM-MVS
ACJS-MVS



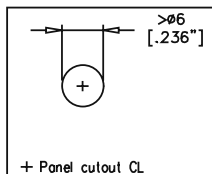
ACJM/S-PH
ACJM/S-MH
ACJM/S-PC
ACJM/S-MC
ACJM/S-PHR
ACJM/S-MHR
ACJM/S-PHS
ACJM/S-MHS



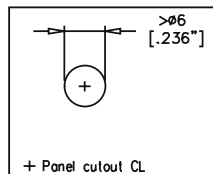
ACJM-MHD
ACJS-MHD
ACJM-MHDE
ACJS-MHDE



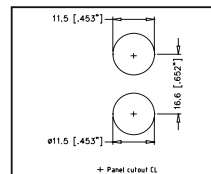
ACJM-MHDR
ACJS-MHDR
ACJS-HHDR



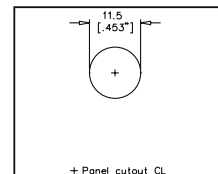
ACJM-NH35
ACJS-NH35



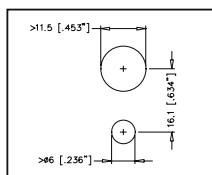
ACJM-NV35-2
ACJM-NV35-2S
ACJS-NV-35-3
ACJS-NV-35-3S
ACJS-NV-35-5
ACJM-MV35-2
ACJM-MV35-2S
ACJS-MV-35-3
ACJS-MV-35-3S
ACJS-MV-35-5



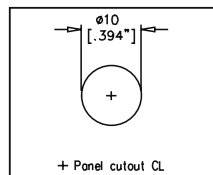
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ACJM-MHDC



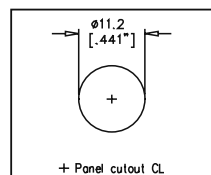
ACJS-IH
ACJM-IH
ACJS-IHS
ACJM-IHS



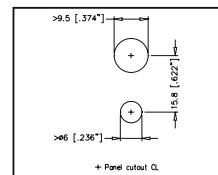
ACJM-MHD985
ACJM-MHD985



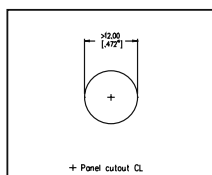
ACJS-MHOM
ACJM-MHOM



ACJS-MHOP
ACJS-PHOP
ACJM-MHOP
ACJM-PHOP
ACJS-MHOP-1
ACJS-PHOP-1
ACJM-PHOP-1
ACJM-MHOP-1
ACJM-HHOP-1
ACJM-HHOP
ACJS-HHOP



ACJS-MVD985
ACJM-MVD985



ACJM-PVB-2
ACJM-PVB-2S
ACJS-PVB-3
ACJS-PVB-3S
ACJS-PVB-5

SCHEMATIC CHART

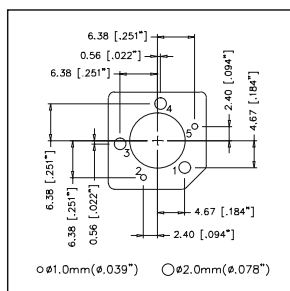
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GENERAL SCHEMATIC					

PART NO.	ACJM-MVD985-2	ACJM-MVD985-2S	ACJS-MVD985-3	ACJS-MVD985-3S	ACJS-MVD985-5
SCHEMATIC					

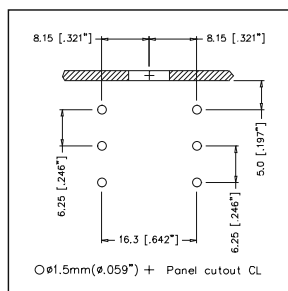
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GENERAL SCHEMATIC				

PCB FOOTPRINT

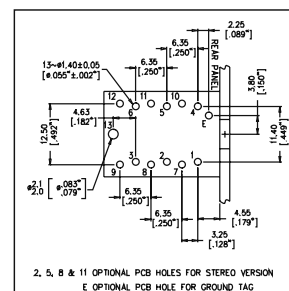
- CONNECTOR SIDE OF PCB



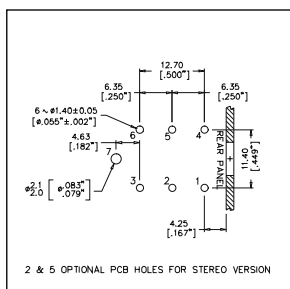
ACJM-MV
ACJS-MV
ACJM-MN-2
ACJS-MN-3
ACJM-MN-2S
ACJS-MN-3S
ACJS-MN-5
ACJM-NV35-XX
ACJM-MV35-XX
ACJS-NV35-XX
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ACJS-MIV-3
ACJS-MIV-3S
ACJS-MIV-5



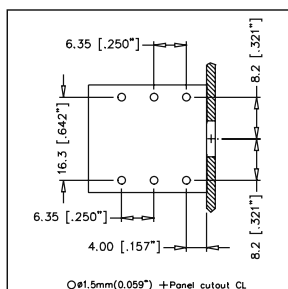
ACJM-PH
ACJM-MH
ACJS-PH
ACJS-MH
ACJM-PC
ACJM-MC
ACJS-PC
ACJS-MC



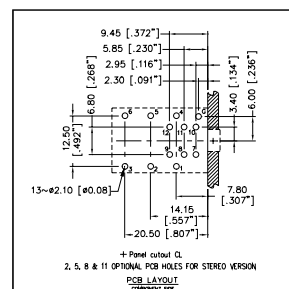
ACJM-MHD
ACJS-MHD
ACJM-MHDE
ACJS-MHDE
ACJM-MHDEM
ACJS-MHDEM
ACJM-MHDC
ACJS-MHDC
ACJM-MHDCM
ACJS-MHDCM
ACJM-MHDM
ACJS-MHDM



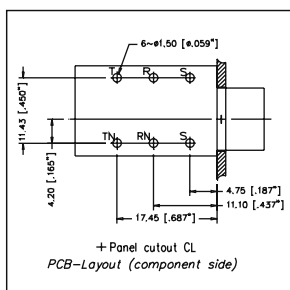
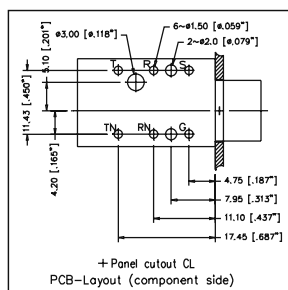
ACJM-MHDR
ACJS-MHDR
ACJM-PHR
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ACJS-PHR
ACJS-MHR
ACJM-HHDR
ACJS-HHDR
ACJM-MHDRM
ACJS-MHDRM



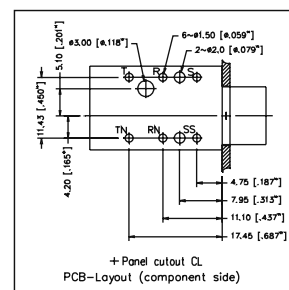
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ACJM-IH



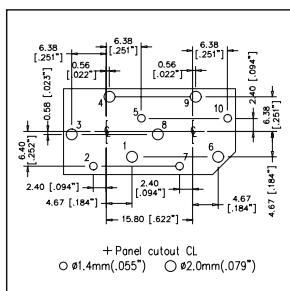
ACJS-MHD985
ACJM-MHD985

ACJS-MHOM
ACJM-MHOM

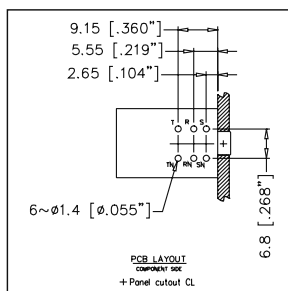
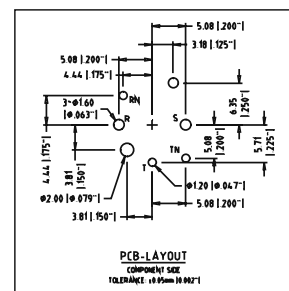
ACJS-MHOP-1
ACJS-PHOP-1
ACJS-HHOP-1
ACJM-MHOP-1
ACJM-PHOP-1
ACJM-HHOP-1



ACJS-MHOP
ACJS-PHOP
ACJM-MHOP
ACJM-PHOP
ACJM-HHOP
ACJS-HHOP



ACJS-MVD985
ACJM-MVD985

ACJS-NH35
ACJM-NH35

ACJM-PVB-2
ACJM-PVB-2S
ACJS-PVB-3
ACJS-PVB-3S
ACJS-PVB-5

1/4" PLUGS TECHNICAL DATA

		VALUE
GENERAL CHARACTERISTICS	Number of Contacts	2 Pole (Mono) 3 Pole Tip Ring Sleeve (Stereo)
	Termination	Solder
	Max. Wire Gauge - Stranded Wire	2 Pole (Mono): AWG 16~1.5mm ² 3 Pole (Stereo): AWG 18~1mm ²
	Flammability rating of insulating plastics	UL94V-0
	Solderability, complies with	IEC 68-2-20
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	10A (Depends on Mating Connector and Cable)
	Typical Contact Resistance	Depends on Mating Connector
	Insulation resistance (initial) After Damp Heat Test	> 2GΩ ≥ 1GΩ
	Dielectric Withstand Voltage	2 Pole : 1.5 kV dc 3 Pole : 1 kV dc
CLIMATIC CHARACTERISTICS	Protection Class	IP40
	Operating Temperature	-25°C to +70°C (-13°F to 158°F)
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal Force	≥ 10N - ≤ 30N
	Mating Cycles	Min. of 1000 cycles without any physical damage
	Cable O.D. - M Series - M Series II	3mm to 6.5mm (0.118" to 0.256") 6.5mm to 8mm (0.256" to 0.315")
MATERIALS	Connector Shell Material	Diecast Zinc Alloy EZDA No.3
	Connector Shell Finish	Satin Nickel or Black Polyester
	Insulators	UL94 V-0 PBT Resin or Modified PPE Resin and fibreglass laminate
	Cable Bushing	Santoprene
	Contact Plating	Brass / Ni over Cu (Copper)

Rev 4 - 05/2014

¹⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

1/4" JACKS TECHNICAL DATA

		VALUE
GENERAL CHARACTERISTICS	Number of Contacts	2 Pole (Mono) 3 Pole Tip Ring Sleeve (Stereo)
	Termination	Solder, PCB or Combo
	Flammability rating of insulating plastics	UL94V-0
	Solderability, complies with	IEC 68-2-20
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	10A (Depends on Mating Connector and Cable)
	Typical Contact Resistance	≤10mΩ
	Insulation resistance (initial) After Damp Heat Test	>2GΩ ≥10 ³ Meg Ω
	Rated Voltage Test Voltage AC RMS: Dielectric Strength	34V 500V
CLIMATIC CHARACTERISTICS	Protection Class	IP40
	Operating Temperature	-25°C to +70°C (-13°F to 158°F)
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal Force	≥10N - ≤30N
	Mating Cycles	Min. of 1000 cycles without any physical damage
	Weight - Straight - Right Angle	18g (0.039lb) 25g (0.055lb)
MATERIALS	Connector Shell Material	Nylon PA66 30% Glass Filled
	Insulators	UL94 V-0 PBT Resin or Modified PPE Resin and fibreglass laminate
	Metal Nut	Brass
	Plastic Nut	Nylon PA66 30% Glass Filled
	Washer	Fiber / Brass / Nylon PA66 30% Glass Filled
	Contact Plating	Tin - 4μm Min. over 2μm Min.Cu (Copper) Silver - 0.3μm Min. over 2μm Min.Cu (Copper) Nickel - 2μm Min. over 2μm Min.Cu (Copper) Gold Flash - 0.05μm Min. over 2μm Min.Cu (Copper)
	Contacts	Brass / Sn (Tin) over Cu (Copper)

Rev 4 - 05/2014

¹Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.



PLUGS AND SOCKETS

Amphenol's plugs and sockets range continually expands to meet the needs of our customers. The success of the M-Series phone plugs led to the RCA series being developed. The Miniature XLR range was a natural progression from our standard XLR series as demand for smaller interconnects increased. The latest addition to the range is a professional grade 3.5mm phone plug designed for applications that require a robust interconnect.

Applications

- Audio Cables and Snakes
- Amplifiers
- Speakers
- Mixing desks
- Rack mount equipment
- Patch panel

Features / Options – RCA Plugs and Jacks

- Red, Black, White, Yellow, Blue or Green shell colours
- Stylish shell design
- Flexible grommet cable protection
- Gold Plated Contacts

Features / Options – Miniature XLR

- 3,4,5, or 6 contacts
- Solder cup
- Printed Circuit Board
- Vertical or Horizontal mounting
- Positive locking latch
- Flexible cable clamp
- Metal cable clamp
- Locking rings
- Chassis front mount
- Chassis middle or rear mount (on request)
- Optional black finish (on request)

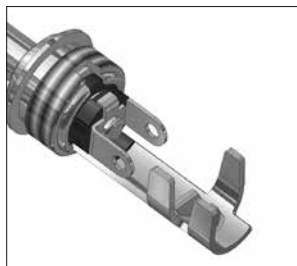
Features / Options – 3.5mm Plugs Phone Jack

- Mono / Stereo TRS
- Solder contacts
- Suits cable O.D 2.5mm to 5mm
- Stylised shell design
- Flexible cable grommet
- Metal cable clamp
- Nickel or Gold contact plating
- Satin Nickel or Black finish

Cable Clamp Options



RCA Cable Clamp - M-Series, Cable O.D 3mm to 6.5mm (0.118" to 0.256")



K-Series, Cable O.D 3mm to 5mm (0.118" to 0.196")

Ordering Codes

We have listed the more common ordering codes in each section. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

3.5mm K-SERIES

Features:

- Mono or TRS (Stereo).
- AX Series inspired shell design.
- Suits Cable O.D from 2.5mm to 5mm (0.098" to 0.196")
- Robust diecast shell in Satin nickel or Black finish.
- Nickel or Gold contact plating.
- Flexible grommet cable protection.
- Improved solderability.
- Precision machined contacts.
- Standard or Bulk packaging.

Options: Black Shell, Gold contacts.

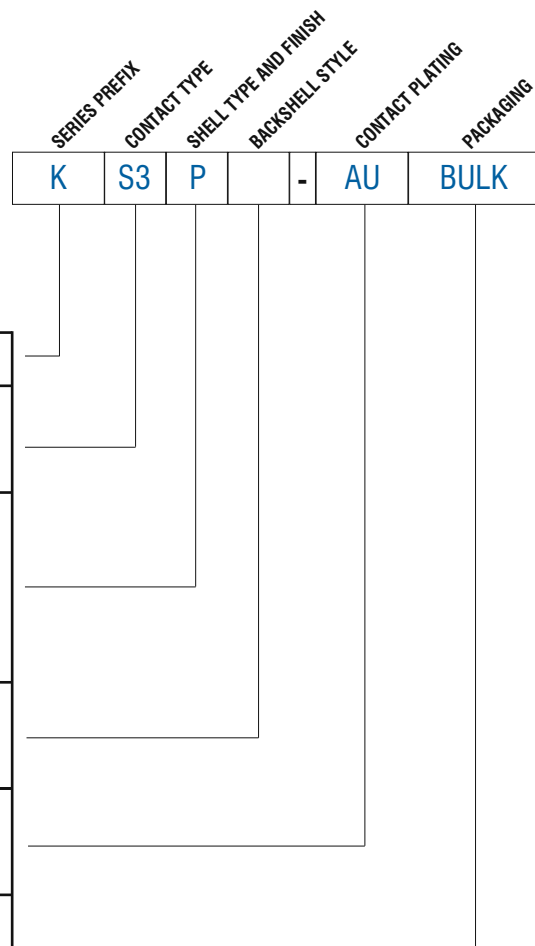
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		49 [1.911"] 35 [1.370"] ø10.3 [ø.406"]	3.5mm, Mono Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	KM2P
				Gold Plated Contacts	KM2P-AU
				Bulk Pack	KM2P BULK
		49 [1.911"] 35 [1.370"] ø10.3 [ø.406"]	3.5mm, Mono Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	KM2PB
				Gold Plated Contacts	KM2PB-AU
				Bulk Pack	KM2PB BULK
		49 [1.911"] 35 [1.370"] ø10.3 [ø.406"]	3.5mm, Stereo Phone plug, Diecast Shell, Satin finish, Flexible grommet.	Standard	KS3P
				Gold Plated Contacts	KS3P-AU
				Bulk Pack	KS3P BULK
		49 [1.911"] 35 [1.370"] ø10.3 [ø.406"]	3.5mm, Stereo Phone plug, Diecast Shell, Black finish, Flexible grommet.	Standard	KS3PB
				Gold Plated Contacts	KS3PB-AU
				Bulk Pack	KS3PB BULK
		51 [2.008"] 37 [1.467"] 3.10 [.122"] ø10.3 [ø.406"]	3.5mm, Stereo Phone plug with extended shaft for mobile phones fitted with covers. Diecast Shell, Black Chrome finish, Flexible grommet	Standard	KS3PC
				Gold Plated Contacts	KS3PC-AU

PART NUMBER BREAKDOWN

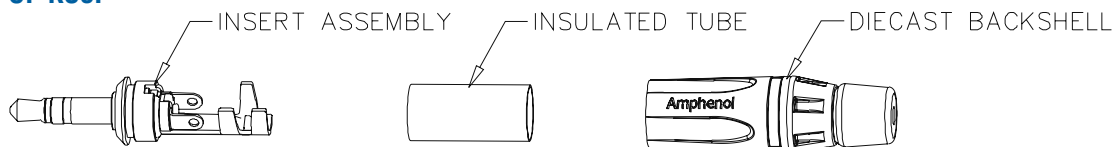
K-SERIES

E. G. **KS3P-AU BULK**
K (Series Prefix), **S3**(Stereo), Plug,
- **AU** (Gold Plated Contacts), **Bulk** Packaged.

SERIES PREFIX	K	=	Series Prefix
CONTACT TYPE	M2	=	2 Pole (mono)
	S3	=	3 pole TRS (Stereo)
SHELL TYPE AND FINISH	P	=	Plug Satin Nickel
	PB	=	Plug Matt Black
	PC	=	Plug Black Chrome
BACKSHELL TYPE AND CABLE CLAMP	Blank	=	K Series to suit Cable O.D 2.5mm to 5mm (0.098" to 0.196")
CONTACT PLATING	Blank	=	Nickel Plated Contacts (Standard)
	AU	=	Gold Plated Contacts
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed



ISO VIEW OF KS3P



3.5mm PLUG TECHNICAL DATA

		VALUE
GENERAL CHARACTERISTICS	Number of Contacts	2 Pole (Mono) 3 Pole Tip Ring Sleeve (Stereo)
	Termination	Solder
	Wire Gauge - Stranded Wire	2 Pole (Mono): AWG 16 - 1.5mm ² 3 Pole (Stereo): AWG 18 - 1mm ²
	Flammability rating of insulating plastics	UL94V-0
	Solderability, complies with	IEC 68-2-20
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	>0.5mA (Depends on Mating Connector and Cable)
	Typical Contact Resistance	≤20mΩ (Depends on Mating Connector and Cable)
	Insulation resistance (initial) After Damp Heat Test	>200M Ω >100M Ω
	Test Voltage AC RMS: Dielectric Strength	250VAC
CLIMATIC CHARACTERISTICS	Protection Class	IP40
	Operating Temperature	-20°C to +65°C (-4°F to +149°F)
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal Force	<20N / >3N (depends on mating connector)
	Cable O.D.	3mm to 5mm (0.118" to 0.196")
	Mechanical Operations	1000 mating cycles
	Weight	8g (0.017lb)
MATERIALS	Connector Shell Material (Plugs)	Diecast Zinc Alloy EZDA No.3
	Connector Shell Finish	Satin Nickel or Black Polyester
	Insulators	PA66
	Cable Bushing	Santoprene
	Contacts	Brass
	Plating	Nickel or Gold Flash

¹ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

RCA SERIES
Features:

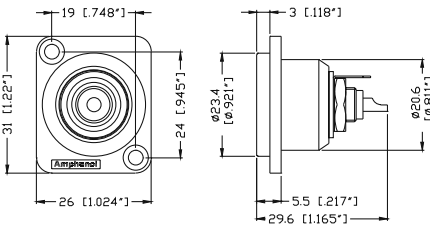
- Stylish design
- Flexible grommet cable protection
- Robust diecast shell
- Gold plated contacts
- Colour coded
- Good solderability
- Quick and easy assembly
- Panel mount utilises standard 'D' type housing

Part Number Breakdown: Page 119


PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		RCA Plug, Diecast Shell, Gold plated contacts, Coloured finish, Flexible coloured grommet	Red	ACPR-RED
			Black	ACPR-BLK
			Yellow	ACPR-YEL
			White	ACPR-WHT
			Blue	ACPR-BLU
		RCA Plug, Diecast Shell, Gold plated contacts, Satin finish, Flexible coloured grommet	Green	ACPR-GRN
			Satin / Red	ACPR-SRD
			Satin / Black	ACPR-SBK
			Satin / Yellow	ACPR-SYL
			Satin / White	ACPR-SWH
		RCA Jack, Diecast Shell, Gold plated contacts, Coloured finish, Flexible coloured grommet	Blue	ACPR-SBL
			Satin / Green	ACPR-SGR
			Red	ACJR-RED
			Black	ACJR-BLK
			Yellow	ACJR-YEL
		RCA Jack, Diecast Shell, Gold plated contacts, Satin finish, Flexible coloured grommet	White	ACJR-WHT
			Blue	ACJR-BLU
			Green	ACJR-GRN
			Satin / Red	ACJR-SRD
			Satin / Black	ACJR-SBK
		RCA Plug, Shortened Diecast Shell, Gold plated contacts, Black Chrome finish, Flexible coloured grommet	Satin / Yellow	ACJR-SYL
			Satin / White	ACJR-SWH
			Satin / Blue	ACJR-SBL
			Satin / Green	ACJR-SGR
			Red	ACPL-CRD
			Black	ACPL-CBK
			Yellow	ACPL-CYL
			White	ACPL-CWH
			Blue	ACPL-CBL
			Green	ACPL-CGR

NOTE: RCA Series comply with EU RoHS 2 Directive 2011/65/EU

M SERIES RCA

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			RCA Jack, Diecast Shell, Gold plated contacts, Nickel finish shell, coloured insulator.	Red Black Yellow White Blue Green	ACJD-RED ACJD-BLK ACJD-YEL ACJD-WHT ACJD-BLU ACJD-GRN

NOTE: RCA Series comply with EU RoHS 2 Directive 2011/65/EU

PART NUMBER BREAKDOWN

M SERIES RCA

E. G. **ACPR-RED BULK**
AC (Series Prefix), **P** (Plug), **R** (Shell type), **RED** (Shell and Grommet Colour),
Bulk Packaged.

SERIES PREFIX	CONTACT TYPE	SHELL TYPE	SHELL FINISH	PACKAGING	
AC	P	R	-	RED	BULK

SERIES PREFIX	AC	=	Series Prefix
CONTACT TYPE	J	=	RCA Female Jack
	P	=	RCA Male Plug
SHELL TYPE	R	=	Regular Shell Length
	L	=	Short Shell Length
	D	=	Chassis Jack 'D' Shell
SHELL AND GROMMET COLOUR	RED	=	Red, Red Grommet
	BLK	=	Black, Black Grommet
	YEL	=	Yellow, Yellow Grommet
	WHT	=	White, White Grommet
	BLU	=	Blue, Blue Grommet
	GRN	=	Green, Green Grommet
	SRD	=	Satin Nickel, Red Grommet
	CRD	=	Black Chrome, Red Grommet
	SBK	=	Satin Nickel, Black Grommet
	CBK	=	Black Chrome, Black Grommet
	SYL	=	Satin Nickel, Yellow Grommet
	CYL	=	Black Chrome, Yellow Grommet
	SWH	=	Satin Nickel, White Grommet
	CWH	=	Black Chrome, White Grommet
	SBL	=	Satin Nickel, Blue Grommet
	CBL	=	Black Chrome, Blue Grommet
	SGR	=	Satin Nickel, Green Grommet
	CGR	=	Black Chrome, Green Grommet
NOTE: Denotes colour of insulator only on shell type D, Chassis Jack 'D' Shell. Shell finish is Nickel.			
PACKAGING	Blank	=	Individual Bags
	BULK	=	Bulk Packed

RCA TECHNICAL DATA

		VALUE
GENERAL CHARACTERISTICS	Number of Contacts	2
	Termination	Solder
	Max. Wire Gauge - Stranded Wire	AWG 14 - 2.5mm ²
	Flammability rating of insulating plastics	UL94V-0
	Solderability, complies with	IEC 68-2-20
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU
ELECTRICAL CHARACTERISTICS	Current Carrying Capacity	10A (Depends on Mating Connector)
	Typical Contact Resistance	≤10mΩ (Depends on Mating Connector)
	Insulation resistance (initial) After Damp Heat Test	> 2GΩ ≥ 10 ⁹ Meg Ω
	Dielectric Strength	1500 V dc
CLIMATIC CHARACTERISTICS	Protection Class	IP40
	Operating Temperature	-25°C to +75°C (-13°F to +167°F)
MECHANICAL CHARACTERISTICS	Insertion and Withdrawal Force	≥10N - ≤30N (depends on mating connector)
	Cable O.D.	3mm to 7mm (0.118" to 0.275")
	Mechanical Operations	500 mating cycles
	Weight - Cable Mount - Panel Mount	18g (0.039lb) 30g (0.066lb)
MATERIALS	Connector Shell Material (Plugs)	Diecast Zinc Alloy EZDA No.3
	Connector Shell Finish	Satin Nickel or Coloured Polyester
	Insulators	PA66
	Cable Bushing	Thermoplastic Polyurethane
	Contacts	Brass Alloy
	Plating	Gold Flash

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¹⁾Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

G-TYPE MINIATURE XLR

Features:

- Miniature version of the standard XLR series
- Diecast or Precision machined metal housings
- Metal cable clamp
- Precision machined pin contacts
- Stamped socket contacts
- Solder cup or Printed Circuit board contacts
- Available in 3, 4, 5 or 6 contacts
- Positive latchlock
- Flexible cable grommet

Part Number Breakdown: Page 122 **Specifications: Page 123**
PCB Footprints: Page 124 **Panel Cutouts: Page 124**

PRODUCT - FIGURE	DRAWING	DESCRIPTION	VARIATIONS	PART NUMBER
		Male cable connector, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3M AG4M AG5M AG6M
		Female cable connector, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3F AG4F AG5F AG6F
		Female cable connector with locking ring, Stamped contacts, Nickel Finish.	3 pole 4 pole 5 pole 6 pole	AG3FL AG4FL AG5FL AG6FL
		Male chassis connector, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3MCC AG4MCC AG5MCC AG6MCC
		Female chassis connector, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3FCE AG4FCE AG5FCE AG6FCE
		Male chassis connector, Horizontal PCB, Machined contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3MCCH AG4MCCH AG5MCCH AG6MCCH
		Female chassis connector, Horizontal PCB, Stamped contacts, Nickel Finish	3 pole 4 pole 5 pole 6 pole	AG3FCCH AG4FCCH AG5FCCH AG6FCCH

G TYPE CONNECTORS

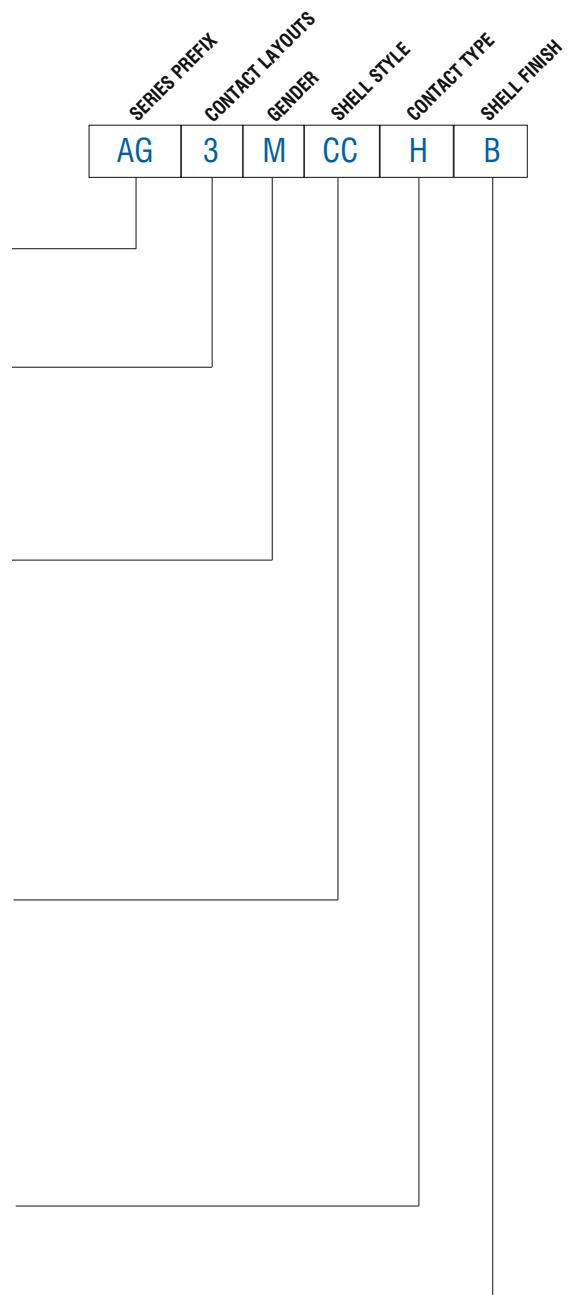
		Male chassis connector, Horizontal PCB, Machined contacts, Thermoplastic shell	4 pole	AG4MPCH
		Female chassis connector, Stamped contacts, Nickel Finish	3 pole	AG3FCRV
			4 pole	AG4FCRV
			5 pole	AG5FCRV
			6 pole	AG6FCRV

PART NUMBER BREAKDOWN

G TYPE CONNECTORS

E. G. **AG3MCCHB**
AG (Series Prefix), **3** contacts, **Male**, **C**hassis **C**onnecto**r**, **H**orizontal PCB **C**ontacts,
Black finish.

SERIES PREFIX	AG	=	Series Prefix
CONTACT LAYOUTS	3	=	3 Contacts
	4	=	4 Contacts
	5	=	5 Contacts
	6	=	6 Contacts
GENDER	F	=	Female Socket Contacts
	M	=	Male Pin Contacts
	Blank	=	Cable Connector Standard (Male or Female)
SHELL STYLE	J	=	Cable Connector Large Cable clamp / boot O.D (Male or Female)
	L	=	Cable Connector with locking ring (Female)
	LL	=	Latchless (Chassis Connector)
	CC	=	Chassis Connector Circular Metal (Male)
	CE	=	Rear Mount (Chassis Connector)
	CM	=	Mid Mount (Chassis Connector)
	CR	=	Chassis Connector Rectangular Metal (Female)
	PC	=	Chassis Connector Plastic (Male)
	Blank	=	Solder Buckets (All styles except PC, CR)
CONTACT TYPE	H	=	Horizontal PCB (Style CC, PC only)
	V	=	Vertical PCB (Style CR only)
	Blank	=	Nickel Plated Finish
SHELL FINISH	B	=	Black Finish



STANDARD DATA G TYPE

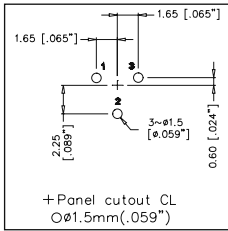
		VALUE			
GENERAL CHARACTERISTICS	Number of Contacts	3	4	5	6
	Termination	Printed Circuit Board (PCB) or Solder Bucket			
	Max. Wire Gauge - Stranded Wire	AWG 24 - 0.5mm ²			AWG 28 - 0.38mm ²
	Flammability	UL94V-0			
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU			
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	1000V			250V
	Test Voltage AC RMS	125V AC			
	Current Carrying Capacity	5A	5A	4A	1.2A
	Typical Contact Resistance	≤10mΩ			
	Insulation resistance (initial) After Damp Heat Test	≥510MΩ ≥10MΩ			
	Dielectric Strength	1500 V dc			
CLIMATIC CHARACTERISTICS	Protection Class	IP00			
	Operating Temperature	-30°C to +80°C (-20F - +176F)			
MECHANICAL CHARACTERISTICS	Insertion Spring Separating Force	≥20N			
	Cable O.D.	2mm to 3.5mm (0.078" to 0.137")		3mm to 5mm (0.118" to 0.196")	
	Mechanical Operations	5000 mating cycles			2000 mating cycles
	Weight	13.5g (0.029lb)			
MATERIALS	Connector Shell	Bronze & Zinc			
	Connector Shell Finish	Nickel Plated			
	Insulators	PPS - Black			
	Male Contact	Material - Brass C3604 Plating - Gold over Silver Plated			
	Female Contact	Material - Brass C5210P Plating - Gold over Silver Plated			
	Latch Lock and Spring	SUS (AISI - 301) - Nickel Plated			
	Adaptor	PPS - Black			
	Cable Clamp	Bronze - Nickel Plated			
	Boot/Backshell	ABS - Black			
	Grommet	PU - Black			

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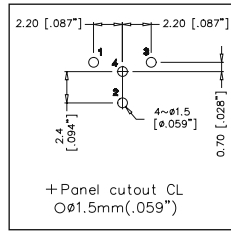
¹⁾ Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

G TYPE CONNECTORS

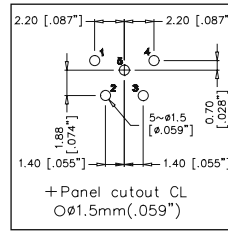
PANEL CUTOUTS - CONNECTOR SIDE OF PCB



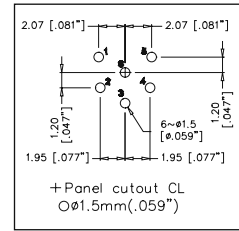
AG3MCC



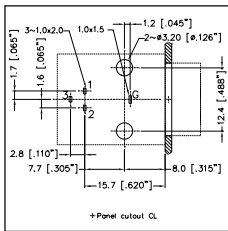
AG4MCC



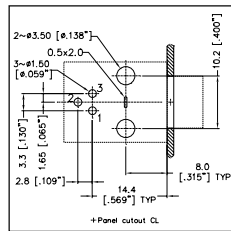
AG5MCC



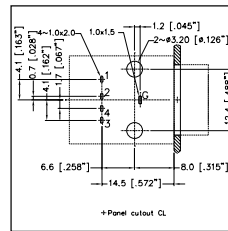
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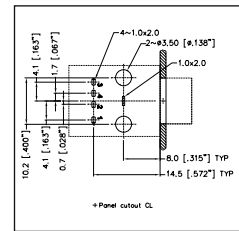
AG3FCCH



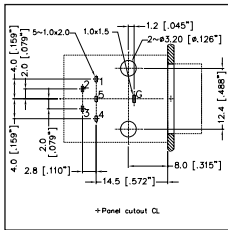
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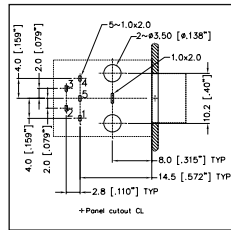
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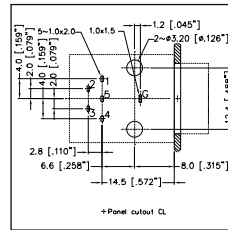
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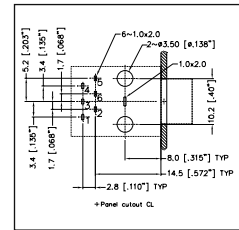
AG5FCCH



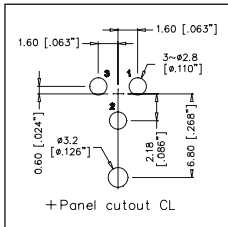
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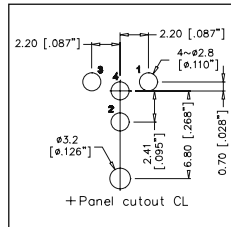
AG6FCCH



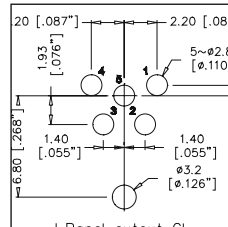
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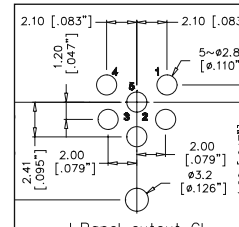
AG3FCRV



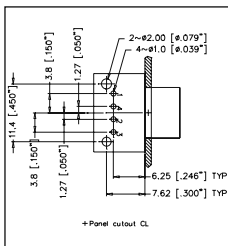
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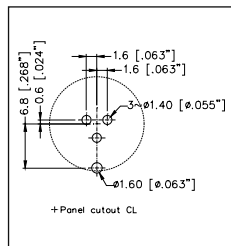
AG5FCRV



AG6FCRV

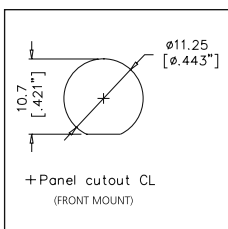


AG4MPCH

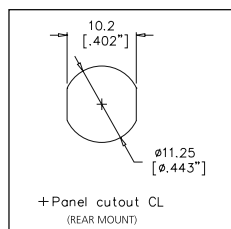


AG3FCE

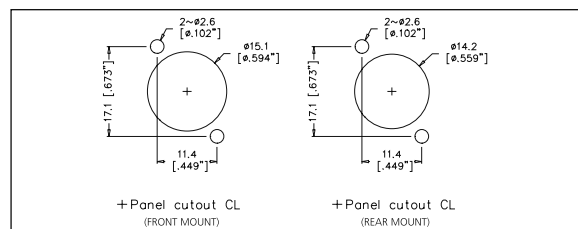
PANEL CUTOUTS - FRONT VIEW



**AG3MCC
AG4MCC
AG5MCC
AG6MCC**



**AG3MCCH
AG4MCCH
AG5MCCH
AG6MCCH
AG4MPCH**



**AG3FCRV
AG4FCRV
AG5FCRV
AG6FCRV**



MULTIPIN CONNECTORS

Amphenol has an extensive range of circular and rectangular multi-pin connectors ideally suited to the entertainment industry. Featuring rugged housings and precision made contacts these connectors have proven themselves in the most demanding of applications. The extensive arrangement of different connector sizes and contact numbers ensure we can offer a solution to your multi-pin wiring applications.

Applications

- Audio Cables and Snakes
- Lighting control
- Concert Touring Systems
- Outside Broadcast Systems

Features / Options - MP-41 Series

- 13 to 85 pins with Crimp / Solder bucket contacts
- 150 pins with Crimp contacts only
- 4 to 48 channel
- Gold plated contacts
- Synthetic inserts
- Environmental resistant
- Positive Bayonet locking
- PG cable gland
- 2000 mating cycles
- Bayonet wear pins
- Extended coupling ring
- Metal Housings

Features / Options - MP-62 Series

- 39 or 61 Solder bucket contacts
- Gold plated contacts
- Neoprene inserts
- Environmental resistant
- Positive Bayonet locking
- PG cable gland or NPT thread
- Metal Housings

Ordering Codes

We have listed the more common ordering codes in each section. For further options please contact us.

Simple steps to guide you in using this catalogue

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- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use pins column to determine number of contacts.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.

MP-41 SERIES


Amphenol's MP-41 series of multipin connectors utilise the same design principals of the rugged Mil-C-5015 military connectors. They can withstand high shock and vibration environments and are ideal for tough on-road applications. Featuring a quick mating bayonet coupling with an audible full mating feature ensures a positive connection every time. Available from 13 to 150 pins with contacts supplied with each connector as standard.

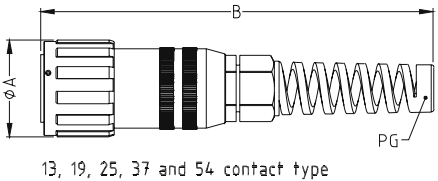
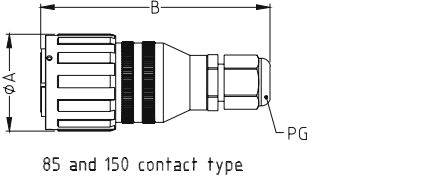
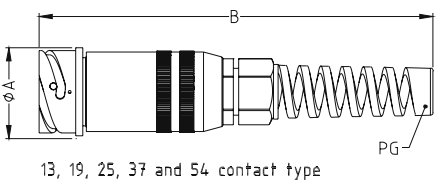
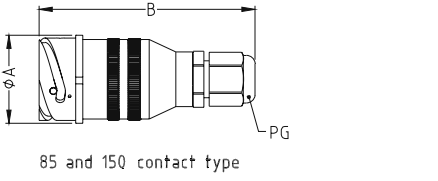
Features:

- 13 to 85 pins with Crimp/Solder bucket contacts
- 150 pins with Crimp contacts only
- 4 to 48 channels
- Gold plated contacts
- Synthetic insert
- Protective dust caps
- Industry standard compatible
- 2000 mating cycles
- Black finish
- Positive bayonet locking
- PG cable glands
- IP67 rated
- Metal housings

Options: NPT threaded backshells.

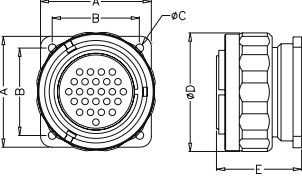
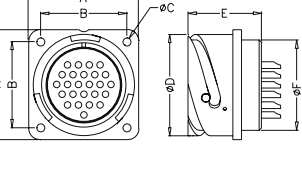
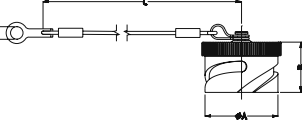
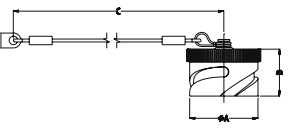
Specifications: Page 130 **Part Number Breakdown:** Page 129

Wiring Information: Page 140

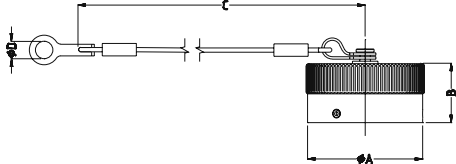
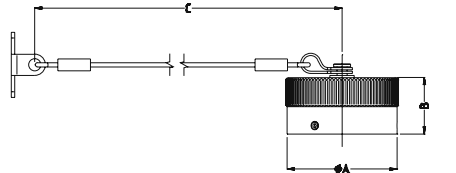
PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)			PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	PG			
	Straight cable plug with socket contacts, Black finish, supplied complete with contacts.  13, 19, 25, 37 and 54 contact type  85 and 150 contact type	40.5 (1.60)	160 (6.30)	11	13	MP-4106-13S	MP-4106-13S-C
		44 (1.73)	171 (6.73)	13.5	19	MP-4106-19S	MP-4106-19S-C
		46.6 (1.83)	193 (7.60)	16	25	MP-4106-25S	MP-4106-25S-C
		54.3 (2.14)	210 (8.26)	21	37	MP-4106-37S	MP-4106-37S-C
		60.1 (2.36)	210 (8.26)	21	54	MP-4106-54S	MP-4106-54S-C
		73.3 (2.88)	137 (5.40)	29	85	MP-4106-85S	MP-4106-85S-C
		73.3 (2.88)	145 (5.70)	36	150	MP-4106-150S	MP-4106-150S-C
	Cable connecting receptacle with pin contacts, black finish, supplied complete with contacts.  13, 19, 25, 37 and 54 contact type  85 and 150 contact type	37.8 (1.49)	160 (6.30)	11	13	MP-4101-13P	MP-4101-13P-C
		41.1 (1.62)	171 (6.73)	13.5	19	MP-4101-19P	MP-4101-19P-C
		41.5 (1.63)	193 (7.60)	16	25	MP-4101-25P	MP-4101-25P-C
		51 (2.00)	210 (8.26)	21	37	MP-4101-37P	MP-4101-37P-C
		57.1 (2.25)	210 (8.26)	21	54	MP-4101-54P	MP-4101-54P-C
		70 (2.75)	137 (5.40)	29	85	MP-4101-85P	MP-4101-85P-C
		70 (2.75)	145 (5.70)	36	150	MP-4101-150P	MP-4101-150P-C

Note: NPT threaded backshells available on request. Please contact us.

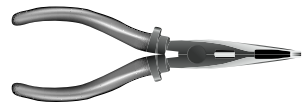
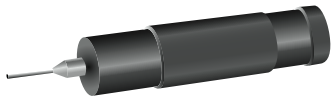
MP-41 SERIES

PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)						PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	C	D	E	F			
	Panel plug with socket contacts, black finish, supplied complete with contacts. 	38 (1.49)	29.4 (1.15)	3.2 (0.13)	40.5 (1.60)	38.8 (1.53)	N/A	13	MP-4164-13S	MP-4164-13S-C
		41 (1.61)	31.8 (1.25)	3.2 (0.13)	44 (1.73)	38.8 (1.53)	N/A	19	MP-4164-19S	MP-4164-19S-C
		44.5 (1.75)	34.9 (1.37)	3.73 (0.14)	48.51 (1.91)	40.6 (1.60)	N/A	25	MP-4164-25S	MP-4164-25S-C
		50.8 (1.99)	39.7 (1.56)	3.73 (0.14)	54.3 (2.14)	42 (1.65)	N/A	37	MP-4164-37S	MP-4164-37S-C
		57 (2.24)	44.5 (1.75)	4.39 (0.17)	60.8 (2.40)	45 (1.77)	N/A	54	MP-4164-54S	MP-4164-54S-C
		69.8 (2.74)	55.5 (2.18)	4.39 (0.17)	73.3 (2.88)	45 (1.77)	N/A	85	MP-4164-85S	MP-4164-85S-C
		69.8 (2.74)	55.5 (2.18)	4.39 (0.17)	73.3 (2.88)	45 (1.77)	N/A	150	MP-4164-150S	MP-4164-150S-C
	Panel receptacle with pin contacts, black finish, supplied complete with contacts. 	38 (1.49)	29.4 (1.15)	3.23 (0.13)	34.2 (1.34)	34.5 (1.35)	29 (1.14)	13	MP-4102-13P	MP-4102-13P-C
		41 (1.61)	31.8 (1.25)	3.23 (0.13)	37.4 (1.47)	34.5 (1.35)	32.2 (1.26)	19	MP-4102-19P	MP-4102-19P-C
		44.5 (1.75)	34.9 (1.37)	3.73 (0.14)	40.9 (1.61)	35.7 (1.40)	35.3 (1.38)	25	MP-4102-25P	MP-4102-25P-C
		50.8 (1.99)	39.7 (1.56)	3.73 (0.14)	46.7 (1.83)	36.5 (1.44)	41.4 (1.62)	37	MP-4102-37P	MP-4102-37P-C
		57 (2.24)	44.5 (1.75)	4.30 (0.17)	53.4 (2.10)	38.5 (1.52)	47.8 (1.88)	54	MP-4102-54P	MP-4102-54P-C
		69.8 (2.74)	55.5 (2.18)	4.30 (0.17)	65.5 (2.57)	38.5 (1.52)	59 (2.32)	85	MP-4102-85P	MP-4102-85P-C
		69.8 (2.74)	55.5 (2.18)	4.30 (0.17)	65.5 (2.57)	38.5 (1.52)	59 (2.32)	150	MP-4102-150P	MP-4102-150P-C
	Plug protective dustcap to suit MP-4164 type. 	34.16 (1.35)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	13	MP-25042-13S	-
		37.36 (1.47)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	19	MP-25042-19S	-
		40.87 (1.61)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	25	MP-25042-25S	-
		46.68 (1.84)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	37	MP-25042-37S	-
		53.36 (2.10)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	54	MP-25042-54S	-
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	85	MP-25042-85S	-
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	150	MP-25042-150S	-
	Receptacle protective dustcap to suit MP-4106 types. 	38.8 (1.53)	20.7 (0.81)	255 (8.07)	-	-	-	13	MP-25042-13L	-
		41.6 (1.64)	20.7 (0.81)	255 (8.07)	-	-	-	19	MP-25042-19L	-
		45.3 (1.78)	20.7 (0.81)	255 (8.07)	-	-	-	25	MP-25042-25L	-
		52.15 (2.05)	20.7 (0.81)	255 (8.07)	-	-	-	37	MP-25042-37L	-
		58.6 (2.30)	20.7 (0.81)	255 (8.07)	-	-	-	54	MP-25042-54L	-
		70.7 (2.78)	20.7 (0.81)	255 (8.07)	-	-	-	85	MP-25042-85L	-
		70.7 (2.78)	20.7 (0.81)	255 (8.07)	-	-	-	150	MP-25042-150L	-

ACCESSORIES

PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)						PINS	PART NUMBER
		A	B	C	D	E	F		
	Plug protective dustcap to suit MP-4102 types. 	34.16 (1.35)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	13	MP-25043-13S
		37.36 (1.47)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	19	MP-25043-19S
		40.87 (1.61)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	25	MP-25043-25S
		46.68 (1.84)	31.5 (1.24)	110 (4.33)	4.7 (0.18)	-	-	37	MP-25043-37S
		53.36 (2.10)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	54	MP-25043-54S
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	85	MP-25043-85S
		65.48 (2.58)	31.5 (1.24)	110 (4.33)	5.5 (0.22)	-	-	150	MP-25043-150S
	Receptacle protective dustcap to suit MP-4101 types. 	38.8 (1.53)	20.7 (0.81)	255 (8.07)	-	-	-	13	MP-25043-13L
		41.6 (1.64)	20.7 (0.81)	255 (8.07)	-	-	-	19	MP-25043-19L
		45.3 (1.78)	20.7 (0.81)	255 (8.07)	-	-	-	25	MP-25043-25L
		52.15 (2.05)	20.7 (0.81)	255 (8.07)	-	-	-	37	MP-25043-37L
		58.6 (2.30)	20.7 (0.81)	255 (8.07)	-	-	-	54	MP-25043-54L
		70.7 (2.78)	20.7 (0.81)	255 (8.07)	-	-	-	85	MP-25043-85L
		70.7 (2.78)	20.7 (0.81)	255 (8.07)	-	-	-	150	MP-25043-150L

ACCESSORIES

PRODUCT - FIGURE	DRAWING	DESCRIPTION	NO. OF PINS	PART NUMBER
	N/A	Crimp Tool	All	M22520/1-01
	N/A	Positioner / Turret	All	TH29-1
	N/A	Insertion tool	13-85	MP-INS-16
			150	MP-INS-18
	N/A	Extraction tool	All	MP-EXT-16/18
	N/A	Contact Pilot Pin	13-85	MP-GUIDE-16
			150	MP-GUIDE-18
	N/A	Solder/Crimp Pin Contact	13-85 (Size 16)	MP-108400
		Crimp Pin Contact (Soldering of this contact is not recommended)	150 (Size 18)	MP-108300
	N/A	Solder/Crimp Socket Contact	13-85 (Size 16)	MP-108600
		Crimp Socket Contact (Soldering of this contact is not recommended)	150 (Size 18)	MP-108500

NOTE: Complete instructions for providing reliable crimped wire to contact terminations and inserting proprietary contacts in MP-41 Series connectors are available in publication Pi523 located on our website www.amphenolaudio.com.

PART NUMBER BREAKDOWN MP-41 SERIES

MULTIPIN CIRCULAR CONNECTORS

E. G. **MP-4106-85S**
 Multipin, **4106** Cable Plug, **85** Contacts, **S** Female Socket Contacts,

SERIES PREFIX	MP	=	Series Prefix
HOUSING TYPE	4101	=	Inline cable connecting receptacle
	4102	=	Panel receptacle
	4106	=	Cable plug
	4164	=	Panel plug
	25042S	=	Dustcap for panel plug
	25042L	=	Dustcap for cable plug
	25043S	=	Dustcap for panel receptacle
	25043L	=	Dustcap for cable receptacle
NO. OF CONTACTS			13, 19, 25, 37, 54, 85, 150
GENDER	P	=	Male pin contacts
	S	=	Female socket contacts
OPTIONS	C	=	Supplied with Dustcap

-41 SERIES

SERIES PREFIX	HOUSING TYPE	NUMBER OF CONTACTS	*GENDER	OPTIONS		
MP	-	4106	-	85	S	C

STANDARD DATA MP-41 SERIES

		VALUE						
GENERAL CHARACTERISTICS	Number of contacts	13	19	25	37	54	85	150
	Number of channels	4	6	8	12	16	28	48
	Termination	Solder / Crimp "Combo"						Crimp
	Wire Gauge - Stranded Wire	16AWG - 20AWG						18AWG
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU						
ELECTRICAL CHARACTERISTICS	Operating Voltage at Sea level - DC	250V*						250V*
	Operating Voltage at Sea level - AC	200V*						200V*
	Test Voltage AC RMS	1000V						1000V
	Current Carrying Capacity	13A						7.5A
	Typical Contact Resistance	3.46mΩ						11.25mΩ
	Insulation Resistance	5000MΩ						
CLIMATIC CHARACTERISTICS	Protection Class	IP67 (when mated)						
	Operating Temperature	-55°C to +125°C (-67°F to +257°F)						
MECHANICAL CHARACTERISTICS	Cable Retention	PG Gland						
	Mechanical Operations	2000 mating cycles						
MATERIALS	Connector / Shell Finish	Aluminium Alloy / Black						
	Insert	Synthetic Insert to MIL-R-3065						
	Male pin contact / Plating	Brass / Gold plated						
	Female socket contact / Plating	Brass / Gold plated						
CLAMPING CHARACTERISTICS	PG Gland	11	13.5	16	21	29	36	
	Cable Clamping range mm (inches)	4-10 (0.15"-0.39")	5-12 (0.19"-0.47")	9-14 (0.35"-0.55")	13-18 (0.51"-0.70")	14-25 (0.55"-0.98")	19-32 (0.74"-1.25")	

*Not suitable for domestic applications above 50V

Rev 2 - 03/2013

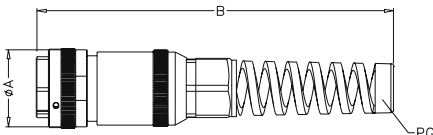
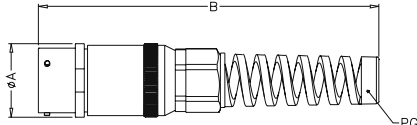
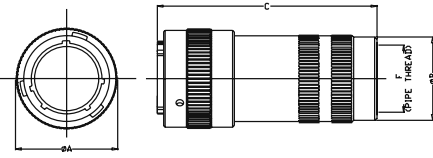
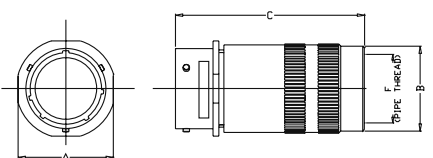
MP-62/MP-65 SERIES


Amphenol's Multipin MP-62 series of circular connectors utilise the same design principles as the Mil-C-26482 military connectors. Featuring a three point quick mating bayonet coupling and five key polarisation ensuring a positive connection every time. Available in two contact pin layouts 39 and 61 with gold plated solder contacts fitted as standard.

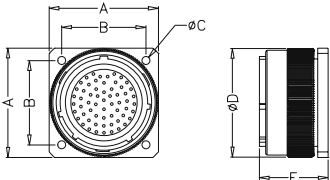
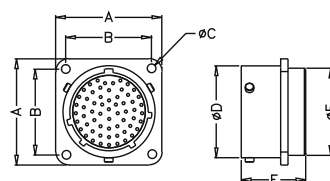
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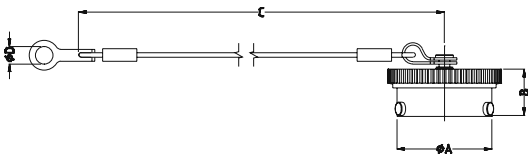
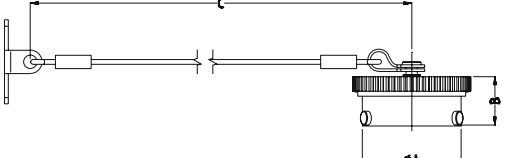
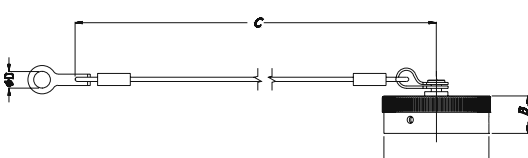
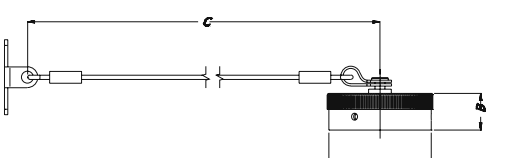
- 39 or 61 pins.
- Gold plated solder contacts.
- Neoprene insert.
- Protective dust caps
- Metal housings
- Environmental resistant.
- Black finish.
- Positive bayonet locking
- PG cable glands

Specifications: Page 133 Wiring Info: Page 139

PRODUCT - FIGURE	Dimensions in mm (inches) DRAWING	Dimensions in mm (inches)			PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	PG			
	Straight cable plug with pin contacts, Black finish, Gold plated solder contacts. 	38.9 (1.53)	181.5 (7.15)	16	39	MP-6216-39P	MP-6216-39P-C
		45.5 (1.80)	193 (7.60)	21	61	MP-6216-61P	MP-6216-61P-C
	Cable connecting receptacle with socket contacts, Black finish, Gold plated solder contacts. 	36.7 (1.45)	181.5 (7.15)	16	39	MP-6211-39S	MP-6211-39S-C
		43.0 (1.70)	193 (7.60)	21	61	MP-6211-61S	MP-6211-61S-C
	Straight cable plug with pin contacts, NPT 3/4" threaded backshell, Black finish, Gold plated solder contacts. 	38.9 (1.53)	90 (3.54)	NPT 3/4"	39	MP-6516-39P	MP-6516-39P-C
		45.5 (1.80)	100 (3.94)	NPT 3/4"	61	MP-6516-61P	MP-6516-61P-C
	Cable connecting receptacle with socket contacts, NPT 3/4" threaded backshell, Black finish, Gold plated solder contacts. 	36.7 (1.45)	90 (3.54)	NPT 3/4"	39	MP-6511-39S	MP-6511-39S-C
		43.0 (1.70)	100 (3.94)	NPT 3/4"	61	MP-6511-61S	MP-6511-61S-C

ACCESSORIES

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	Dimensions in mm (inches)						PINS	PART NUMBER	PART NUMBER With Dustcap
		A	B	C	D	E	F			
		38.86 (1.53)	29.36 (1.16)	6-32 UNC	39.0 (1.54)	32 (1.26)	-	39	MP-6256-39P	MP-6256-39P-C
		43.94 (1.73)	34.93 (1.38)	6-32 UNC	45.5 (1.80)	35 (1.38)	-	61	MP-6256-61P	MP-6256-61P-C
		36.7 (1.44)	29.36 (1.15)	3.05 (0.12)	31.8 (1.25)	22.3 (0.87)	30.1 (1.18)	39	MP-6212-39S	MP-6212-39S-C
		43.0 (1.69)	34.93 (1.38)	3.74 (0.15)	38.1 (1.50)	22.3 (0.87)	36.4 (1.43)	61	MP-6212-61S	MP-6212-61S-C

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	Dimensions in mm (inches)				PINS	PART NUMBER
			A	B	C	D		
		Plug protective dustcap to suit MP-6256	31.7 (1.25)	15.9 (0.62)	127 (4.99)	4.40 (0.17)	39	MP-742-39S
			38.05 (1.50)	16.70 (0.66)	127 (4.99)	4.40 (0.17)	61	MP-742-61S
		Receptacle protective dustcap to suit MP-6216	36.9 (1.45)	13.13 (0.52)	127 (4.99)	-	39	MP-742-39L
			43.14 (1.70)	14.15 (0.56)	127 (4.99)	-	61	MP-742-61L
		Plug protective dustcap to suit MP-6212	31.7 (1.25)	15.9 (0.62)	127 (4.99)	4.40 (0.17)	39	MP-738-39S
			38.05 (1.50)	16.70 (0.66)	127 (4.99)	4.40 (0.17)	61	MP-738-61S
		Receptacle protective dustcap to suit MP-6211	36.9 (1.45)	13.13 (0.52)	127 (4.99)	-	39	MP-738-39L
			43.14 (1.70)	14.15 (0.56)	127 (4.99)	-	61	MP-738-61L

STANDARD DATA MP-62 SERIES / MP - 65 SERIES

		VALUE	
GENERAL CHARACTERISTICS	Number of contacts	39	61
	Number of channels	12	20
	Termination	Solder	
	Wire Gauge - Stranded Wire	37 x 24AWG-20AWG 2 x 20AWG-16AWG	24AWG-20AWG
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
ELECTRICAL CHARACTERISTICS	Operating Voltage at Sea level - DC	600V*	
	Operating Voltage at Sea level - AC	600V*	
	Test Voltage AC RMS	1500V	
	Current Carrying Capacity	37 x 7.5A 2 x 13A	7.5A
	Insulation Resistance	5000MΩ	
CLIMATIC CHARACTERISTICS	Protection Class	IP67 (when mated)	
	Operating Temperature	-55°C to +125°C (-67°F to +257°F)	
MECHANICAL CHARACTERISTICS	Cable Retention	PG Gland / NPT Thread	
	Mechanical Operations	500 mating cycles (minimum)	
MATERIALS	Connector / Shell Finish	Aluminium Alloy / Black	
	Insert	Neoprene	
	Male pin contact machined - Plating	Brass / Gold plated	
	Female socket contact machined - Plating	Brass / Gold plated	
CLAMPING CHARACTERISTICS	PG Gland	16	21
	Cable Clamping range mm (inches)	9-14 (0.35"-0.55")	13-18 (0.51"-0.70")

*Not suitable for domestic applications above 50V

Rev 3 - 03/2013



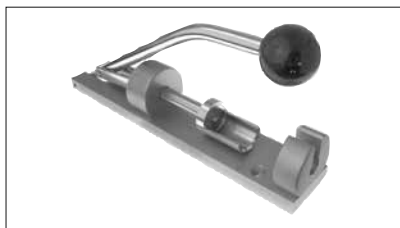
146 SERIES RECTANGULAR CONNECTORS

Amphenol Tuchel C146 series rectangular connectors feature modular components ensuring a vast range of different features and benefits for the end user. The zinc diecast aluminum housings are finished in a durable powder coat and available in either top or side entry. Connector coupling is achieved via a positive locking lever ensuring a positive rapid connection. The C146 series is suitable for general-purpose audio and lighting applications and is completely intermateable with all competitor connectors.



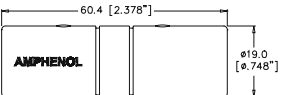
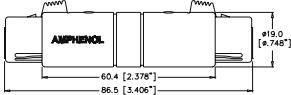
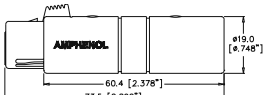
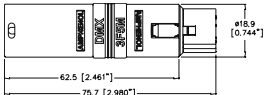
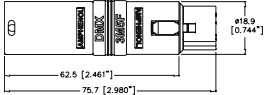
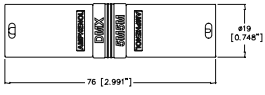
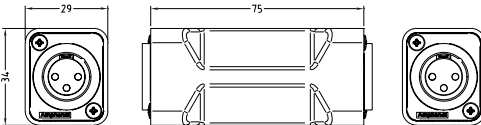
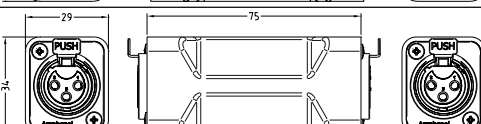
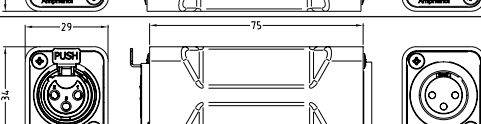
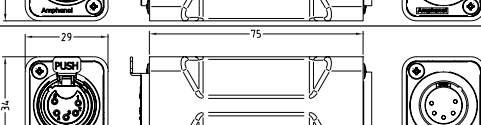
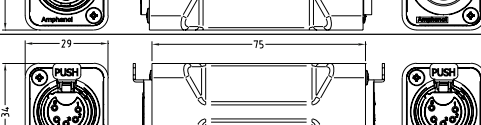
FIBRE OPTIC

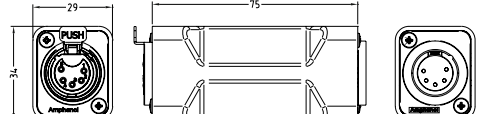
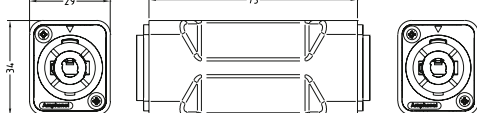
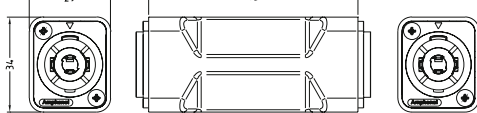
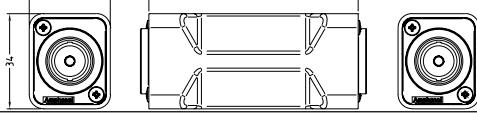
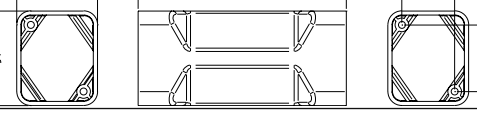
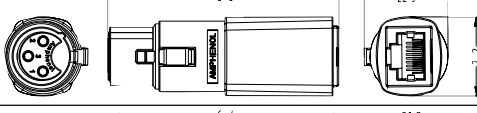
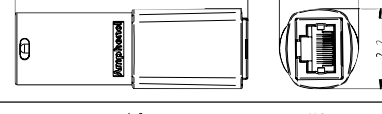
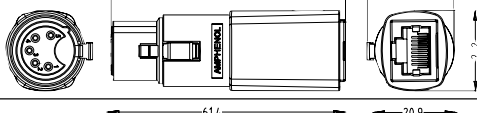
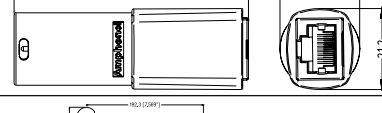
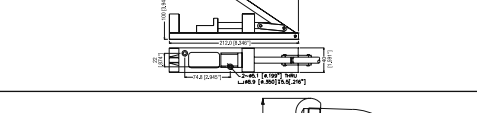
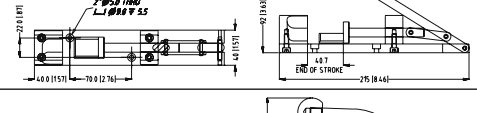
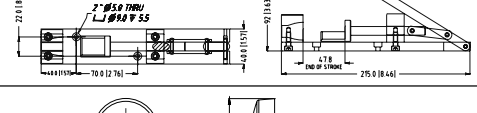
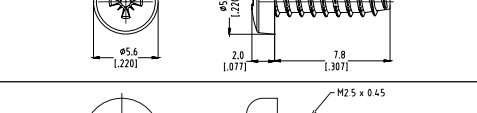
Amphenol has over 25 years experience in fibre optics dating back to their development of the first industry standard connector, the SMA. Today we can offer a complete range of products including Hybrid Fibre optic connectors for HDTV broadcast cameras SMPTE 304M compliant and ruggedised connectors and cable assemblies for indoor or outdoor applications.

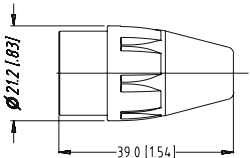
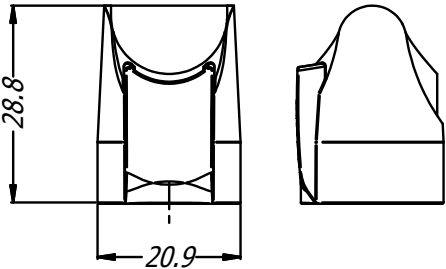
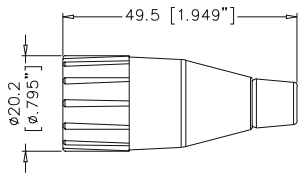
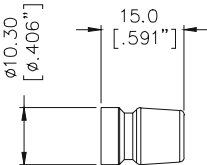


ACCESSORIES

- Colour coded boots(backshells) and rings to assist in cable identification.
- In-line adaptors. Pre-wired for convenience.
- Termination tool for fast assembly of cable connectors.
- Mounting hardware.
- Metal boots(backshells) for rugged environments.

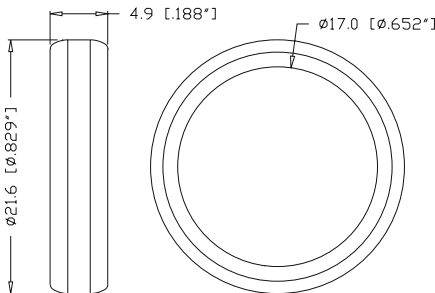
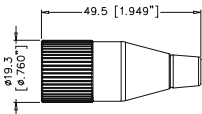
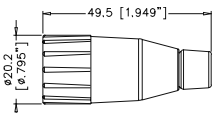
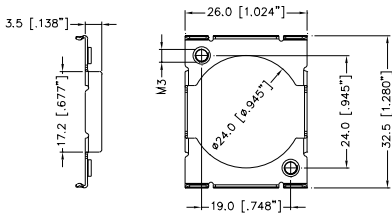
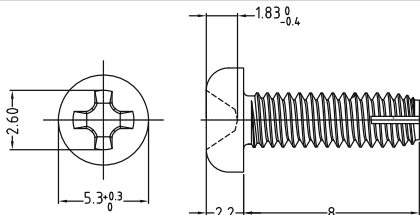
PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		60.4 [2.378"] ø19.0 [ø.748"]	XLR 3 pole male to 3 pole male adapter, Pre wired, Metal Shell	Nickel Finish	AC3M3MW
				Black Finish	AC3M3MBW
		60.4 [2.378"] ø19.0 [ø.748"] 66.5 [3.406"]	XLR 3 pole female to 3 pole female adapter, Pre wired, Metal Shell	Nickel Finish	AC3F3FW
				Black Finish	AC3F3FBW
		60.4 [2.378"] ø19.0 [ø.748"] 73.0 [2.892"]	XLR 3 pole female to 3 pole male adapter, Pre wired, Metal Shell	Nickel Finish	AC3F3FBW
				Black Finish	AC3F3MBW
		62.5 [2.461"] 75.7 [2.980"] ø18.9 [ø.744"]	XLR 3 pole female to 5 pole male adapter, Pre wired, Metal Shell	Nickel Finish	AC3F5MW
		62.5 [2.461"] 75.7 [2.980"] ø18.9 [ø.744"]	XLR 3 pole male to 5 pole female adapter, Pre wired, Metal Shell	Nickel Finish	AC3M5FW
		76 [2.991"] ø19 [ø.748"]	XLR 5 pole male to 5 pole male adapter, Pre wired, Metal Shell	Nickel Finish	AC5M5MW
		29 34 75	XLR D shell adapter, 3 pole male to 3 pole male, Pre-wired	Not Applicable	AC3M3MDW
		29 34 75	XLR D shell adapter, 3 pole female to 3 pole female, Pre-wired	Not Applicable	AC3F3FDW
		29 34 75	XLR D shell adapter, 3 pole female to 3 pole male, Pre-wired	Not Applicable	AC3F3MDW
		29 34 75	XLR D shell adapter, 5 pole male to 5 pole male, Pre-wired	Not Applicable	AC5M5MDW
		29 34 75	XLR D shell adapter, 5 pole female to 5 pole female, Pre-wired	Not Applicable	AC5F5FDW

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			XLR D shell adapter, 5 pole female to 5 pole male, Pre-wired	Not Applicable	AC5F5MDW
			SP D shell adapter, SP-2 to SP-2, Pre-wired	Not Applicable	SP2F2FDW
			SP D shell adapter, SP-4 to SP-4, Pre-wired	Not Applicable	SP4F4FDW
			BNC D shell adapter, Jack to Jack, Pre-wired	Not Applicable	ACBNCJJDW
			D shell adapter without connectors	Not Applicable	AC-D-ADAPTER
			XLR 3 pole female to RJ45 socket adapter, Pre-wired	Nickel Finish	AC3F8FW
			XLR 3 pole male to RJ45 socket adapter, Pre-wired	Nickel Finish	AC3M8FW
			XLR 5 pole female to RJ45 socket adapter, Pre-wired	Nickel Finish	AC5F8FW
			XLR 5 pole male to RJ45 socket adapter, Pre-wired	Nickel Finish	AC5M8FW
			Termination Tool	For IDC and Solder cable connectors	T2860
			Termination Tool	For AC Series Right Angle cable connectors	T2880
			Termination Tool	For AX Series cable connectors	T2890
			A Type / C Type Connector Mounting, Self-Tapping Screw	2.9 x 1.06 Tri-rondular	52500014-734
			B Type / XLRnet Connector Mounting, Self-Tapping Screw	M2.5	52500005-732

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
		AX Series Coloured Boot	Brown	AX-BOOT-1
			Red	AX-BOOT-2
			Orange	AX-BOOT-3
			Yellow	AX-BOOT-4
			Green	AX-BOOT-5
			Blue	AX-BOOT-6
			Violet	AX-BOOT-7
			Grey	AX-BOOT-8
			White	AX-BOOT-9
			Black	AX-BOOT
			Clear	AX-BOOT-CLR
		AX Series Sleeve for Custom Print Note: Custom printed numbers available (Please contact us)	Black	AX-MARK0
			Brown	AX-MARK1
			Red	AX-MARK2
			Orange	AX-MARK3
			Yellow	AX-MARK4
			Green	AX-MARK5
			Blue	AX-MARK6
			Violet	AX-MARK7
			Grey	AX-MARK8
			White	AX-MARK9
		AC Coloured Boot / Backshell Note: Number Identification optional. (Please contact us.)	Brown	AC-NUT-BRN
			Red	AC-NUT-RED
			Orange	AC-NUT-ORG
			Yellow	AC-NUT-YEL
			Green	AC-NUT-GRN
			Blue	AC-NUT-BLU
			Violet	AC-NUT-VIO
			Grey	AC-NUT-GRY
			White	AC-NUT-WHT
		Coloured Grommets to suit AC Series, T Series and Musician range	Brown	AC-GROMMET-BRN
			Red	AC-GROMMET-RED
			Orange	AC-GROMMET-ORG
			Yellow	AC-GROMMET-YEL
			Green	AC-GROMMET-GRN
			Blue	AC-GROMMET-GRN
			Violet	AC-GROMMET-VIO
			Grey	AC-GROMMET-GRY
			White	AC-GROMMET-WHT

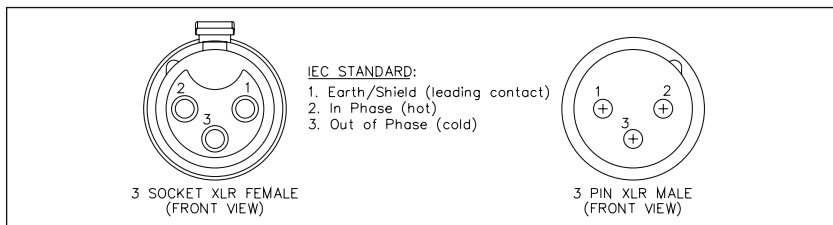
NOTE: All accessories comply with EU RoHS 2 Directive 2011/65/EU

NOTE: Please do not refer to this printed catalogue as a colour reference. For exact colours contact your sales representative.

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	VARIATIONS	PART NUMBER
			AC Coloured Identification Rings – Plain and Numbered Note: Custom number Identification optional. (Please contact us.)	Brown	AC-RING-BRN
				Red	AC-RING-RED
				Orange	AC-RING-ORG
				Yellow	AC-RING-YEL
				Green	AC-RING-GRN
				Blue	AC-RING-BLU
				Violet	AC-RING-VIO
				Grey	AC-RING-GRY
				White	AC-RING-WHT
				Red #1-24	AC-RING-RED-PK1
				Yellow #1-24	AC-RING-YEL-PK1
				Blue #1-24	AC-RING-BLU-PK1
				Red #1-48	AC-RING-RED-PK2
				Yellow #1-48	AC-RING-YEL-PK2
				Blue #1-48	AC-RING-BLU-PK2
			AC Metal Boot / Backshell, Black Finish	Not Applicable	AC-NUT-METAL
			AC Thermoplastic Boot / Backshell. Suitable for use with 8.5mm (0.33") O.D. cable.	Not Applicable	AC-NUT-J-BLK
			M3 threaded metal plate to suit D-type chassis connectors	Nickel Finish	52590060-300
			M3 Screw to suit 52590060-300 M3 x 0.5	Nickel Finish	52500016-300
				Matt Black	52500016-400

CONNECTOR WIRING INFORMATION

XLR (Microphone / Patch Cables)

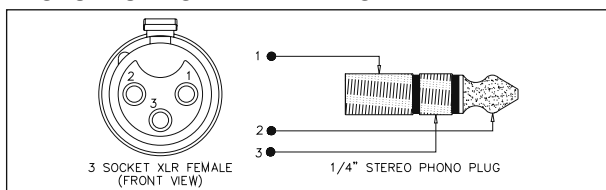


The standard XLR 3 contact pin outs are as shown above for a balanced lead. In such a configuration audio “Hot” (pin 2) is the in-phase connection whilst audio “Cold” (pin 3) is the out-of-phase connection. For an unbalanced lead however, you may connect pin 1 to either pin 2 or pin 3, but not both. In such a configuration the remaining pin is used for the audio signal.

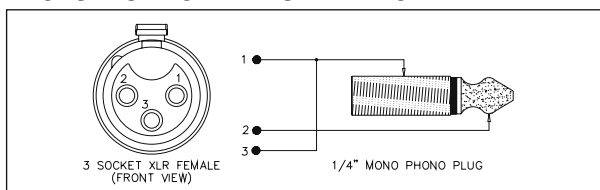
When terminating the cable shielding to pin 1 it is suggested that the shield be only grounded at one end of the cable to avoid inducing “hum”. Pin 1 is a leading contact that engages at interconnection, before pin 2 or pin 3.

1/4” Phono (6.35mm) (Standard Applications)

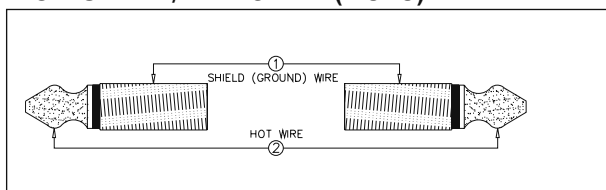
MICROPHONE CABLE - BALANCED



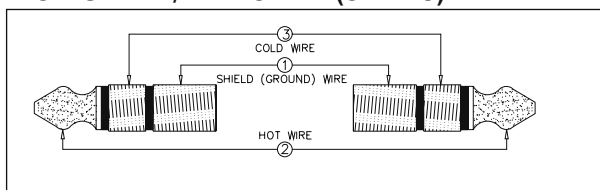
MICROPHONE CABLE - UNBALANCED



INSTRUMENT / LINE CABLE (MONO)



INSTRUMENT / LINE CABLE (STEREO)

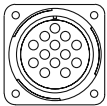


CONNECTOR WIRING INFORMATION

MP Series

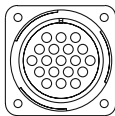
MP-41 Series
4 Ch -13 pin

Ch	+	-	G
1	B	C	E
2	F	K	H
3	J	D	A
4	N	M	G
General			
Ground	L		



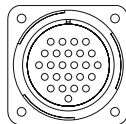
MP-41 Series
6 Ch - 19 pin

Ch	+	-	G
1	L	M	U
2	A	N	B
3	K	J	T
4	V	P	C
5	H	S	G
6	R	D	E
General			
Ground	F		



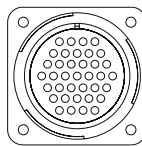
MP-41 Series
8 Ch -25 pin

Ch	+	-	G
1	A	E	F
2	G	C	B
3	D	H	J
4	M	L	K
5	Q	P	N
6	W	S	R
7	T	X	Y
8	Z	V	U
General			
Ground	a		



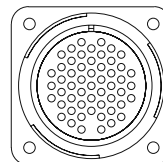
MP-41 Series
12 Ch-37 pin

Ch	+	-	G
1	E	F	A
2	B	C	G
3	H	J	D
4	S	T	K
5	L	M	U
6	V	W	N
7	P	R	X
8	a	b	g
9	c	d	j
10	e	f	m
11	n	p	h
12	r	s	k
General			
Ground	z		



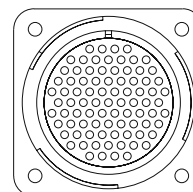
MP-41 Series
16 Ch-54 pin

Ch	+	-	G
1	W	f	r
2	J	R	a
3	k	v	AC
4	E	M	V
5	e	q	y
6	B	H	P
7	Z	j	u
8	D	L	U
9	d	p	x
10	A	G	O
11	Y	h	t
12	C	K	T
13	c	n	w
14	F	N	X
15	g	s	AB
16	S	b	m
General			
Ground	AG		



MP-41 Series
28 Ch-85 pin

Ch	+	-	G
1	A	B	C
2	E	F	H
3	J	K	L
4	N	P	R
5	S	T	U
6	X	Y	Z
7	a	b	c
8	d	f	g
9	h	i	j
10	k	m	n
11	p	q	r
12	t	u	v
13	w	x	y
14	z	AA	AB
15	AC	AD	AE
16	AF	AH	AJ
17	AK	AL	AM
18	AP	AR	AS
19	AT	AU	AV
20	AW	AX	AY
21	AZ	BA	BB
22	BC	BD	BE
23	BJ	BK	BL
24	BM	BN	BP
25	BS	BT	BU
26	BV	BR	BF
27	BH	AN	s
28	W	M	D
General			
Ground	V		

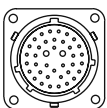


MP-41 Series
48 Ch - 150 pin

Ch	+	-	G
1	1	2	3
2	5	6	7
3	8	9	10
4	11	12	13
5	14	15	16
6	17	18	19
7	21	22	23
8	24	25	26
9	27	28	29
10	20	30	31
11	32	33	34
12	35	36	37
13	38	39	40
14	41	42	43
15	44	45	46
16	47	48	49
17	50	51	52
18	53	54	55
19	57	58	59
20	60	61	62
21	63	64	65
22	66	67	68
23	69	70	71
24	72	73	74
25	75	76	77
26	78	79	80
27	82	83	84
28	85	86	87
29	88	89	90
30	91	92	93
31	94	95	96
32	97	98	99
33	100	101	102
34	103	104	105
35	56	81	106
36	107	108	109
37	110	111	112
38	113	114	115
39	116	117	118
40	119	120	121
41	122	123	124
42	125	126	127
43	139	128	129
44	130	131	132
45	133	134	135
46	136	137	138
47	140	141	142
48	143	144	145
General			
Ground	150		

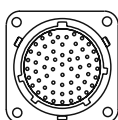
MP-62 Series
12 Ch-39 pin

Ch	+	-	G
1	p	n	q
2	W	A	X
3	N	f	P
4	L	e	M
5	J	d	K
6	G	c	H
7	E	b	F
8	D	a	Z
9	C	B	Y
10	U	j	V
11	i	h	T
12	R	g	S
General			
Ground	N/A		



MP-62 Series
20 Ch-61 pin

Ch	+	-	G
1	JJ	HH	NN
2	MM	KK	PP
3	BB	AA	CC
4	s	FF	W
5	r	EE	V
6	e	D	x
7	f	E	y
8	q	DD	U
9	S	p	T
10	P	N	R
11	m	k	n
12	L	K	M
13	J	i	j
14	H	G	h
15	g	F	z
16	d	C	w
17	B	A	c
18	b	a	Z
19	v	u	Y
20	t	GG	X
General			
Ground	N/A		



Symbols	AC3FDZB-AU	19	AC4MAH-AU-B	34	AC6AM BULK	13	ACJC5HL BULK	44
47-10070	AC3FDZB BULK	19	AC4MB	12	AC6AMDZ	21	ACJC5S BULK	44
47-10090	AC3FDZ BULK	19	AC4MB-AU	12	AC6AMDZB	21	ACJC5SL BULK	44
47-10110	AC3FJ	11	AC4MB BULK	12	AC6AMDZB-AU	21	ACJC5V BULK	44
47-10120	AC3FPZ	22	AC4MBJ	12	AC6AMDZB BULK	21	ACJC5VL BULK	44
47-10150	AC3M	11	AC4M BULK	12	AC6AMDZ BULK	21	ACJC6AH BULK	42
112119	AC3M3MBW	135	AC4MDZ	20	AC6AMDZV	21	ACJC6AHL BULK	42
112133	AC3M3MDW	135	AC4MDZB	20	AC6AMDZVB	21	ACJC6AV2 BULK	42
112157	AC3M3MW	135	AC4MDZB-AU	20	AC6AMJ	13	ACJC6AV2L BULK	42
112508	AC3M5FW	135	AC4MDZB BULK	20	AC6AMP	22	ACJC6AV BULK	42
112509	AC3M8FW	136	AC4MDZV	20	AC6AMPNZ	22	ACJC6AVL BULK	42
112519	AC3MA-AU-PRE	28	AC4MDZVB	20	AC7F	13	ACJC6H BULK	45
112521	AC3MAH1-AU-PRE	27	AC4MJ	12	AC7FB	13	ACJC6HL BULK	45
112565	AC3MAH2-AU-PRE	27	AC4MP	22	AC7FB BULK	13	ACJC6S BULK	45
112606	AC3MAH4-SW-B	27	AC4MPNZ	22	AC7FBJ	13	ACJC6SL BULK	45
112606	AC3MAH-AU-PRE	27	AC5F	12	AC7F BULK	13	ACJC6V BULK	45
112950	AC3MAV2-AU-PRE	28	AC5F5FDW	135	AC7FDZ	21	ACJC6VL BULK	45
112951	AC3MAV-AU-PRE	27	AC5F5MDW	136	AC7FDZB	21	ACJC9AH BULK	42
112952	AC3MB	11	AC5F8FW	136	AC7FDZB BULK	21	ACJC9AHL BULK	42
112953	AC3MB-AU	11	AC5FAH-AU-B	34	AC7FDZ BULK	21	ACJC9AV2 BULK	43
112955	AC3MB BULK	11	AC5FAV-AU-B	34	AC7FDZV	21	ACJC9AV2L BULK	43
112956	AC3MBH1-AU-B	30	AC5FB	12	AC7FDZVB	21	ACJC9AVL BULK	43
112957	AC3MBH2-AU-B	30	AC5FB-AU	12	AC7FJ	13	ACJC9H BULK	45
52500002-734	AC3MBH3-AU-B	30	AC5FB BULK	12	AC7FPZ	22	ACJC9HL BULK	45
52500005-732	AC3MBH-AU-B	30	AC5FBJ	12	AC7M	13	ACJC9S BULK	46
52500016-400	AC3MBHL-AU-B	30	AC5F BULK	12	AC7MB	13	ACJC9SL BULK	46
52590060-300	AC3MBJ	11	AC5FDZ	20	AC7MB BULK	13	ACJC9V BULK	46
A	AC3M BULK	11	AC5FDZB	20	AC7MBJ	13	ACJC9VL BULK	46
AC3F	AC3MBV1-AU-B	31	AC5FDZB-AU	20	AC7M BULK	13	ACJC10AH BULK	43
AC3F3FBW	AC3MBV2-AU-B	31	AC5FDZB BULK	20	AC7MDZ	21	ACJC10AHL BULK	43
AC3F3FDW	AC3MBV3-AU-B	31	AC5FDZ BULK	20	AC7MDZB	21	ACJC10AV2 BULK	43
AC3F3FW	AC3MBV-AU-B	30	AC5FDZV	20	AC7MDZB BULK	21	ACJC10AV2L BULK	43
AC3F3MBW	AC3MCP	15	AC5FDZVB	20	AC7MDZ BULK	21	ACJC10AV BULK	43
AC3F3MDW	AC3MCP BULK	15	AC5FJ	12	AC7MDZV	21	ACJC10AVL BULK	43
AC3F5MW	AC3MCPJ	15	AC5FPZ	22	AC7MDZVB	21	ACJC10H BULK	46
AC3F8FW	AC3MDZ	19	AC5M	12	AC7MJ	13	ACJC10HL BULK	46
AC3FAH1-AU-PRE	AC3MDZB	19	AC5M5MDW	135	AC7MP	22	ACJC10S BULK	47
AC3FAH2-AU-PRE	AC3MDZB-AU	19	AC5M5MW	135	AC7MPNZ	22	ACJC10SL BULK	47
AC3FAH-AU-PRE	AC3MDZB BULK	19	AC5M8FW	136	AC-BNC20A	87	ACJC10V BULK	46
AC3FAHL1-AU-PRE	AC3MDZ BULK	19	AC5MAH-AU-B	34	AC-BNC20AJ75	87	ACJC10VL BULK	46
AC3FAHL2-AU-PRE	AC3MJ	11	AC5MAV-AU-B	34	AC-BNC20AP75	87	ACJD-BLK	119
AC3FAHL-AU-PRE	AC3MM	11	AC5MB	12	AC-BNC20B	87	ACJD-BLU	119
AC3FAV1-AU-PRE	AC3MMB	11	AC5MB-AU	12	AC-BNC20BJ75	87	ACJD-GRN	119
AC3FAV2-AU-PRE	AC3MMB-AU	11	AC5MB BULK	12	AC-BNC20BP75	87	ACJD-RED	119
AC3FAV-AU-PRE	AC3MMB BULK	11	AC5MBJ	12	AC-BNC20M	87	ACJD-WHT	119
AC3FAVL1-AU-PRE	AC3MM BULK	11	AC5M BULK	12	AC-BNC20MJ75	87	ACJD-YEL	119
AC3FAVL2-AU-PRE	AC3MMCP	15	AC5MDZ	20	AC-BNC20MP75	87	ACJM-HHDR	105
AC3FAVL-AU-PRE	AC3MMCP BULK	15	AC5MDZB	20	AC-BNC40A	87	ACJM-HHOP	106
AC3FB	AC3MMCPJ	15	AC5MDZB-AU	20	AC-BNC40AJ75	87	ACJM-HHOP-1	106
AC3FB-AU	AC3MMDZ	19	AC5MDZB BULK	20	AC-BNC40AP75	87	ACJM-IH	107
AC3FB BULK	AC3MMDZB	19	AC5MDZ BULK	20	AC-BNC40B	87	ACJM-IHS	107
AC3FBH1-AU-B	AC3MMDZB-AU	19	AC5MDZV	20	AC-BNC40BJ75	87	ACJM-MC	107
AC3FBH2-AU-B	AC3MMDZB BULK	19	AC5MDZVB	20	AC-BNC40BP75	87	ACJM - MH	106
AC3FBH3-AU-B	AC3MMDZ BULK	19	AC5MJ	12	AC-BNC40M	87	ACJM-MHD	108
AC3FBH-AU-B	AC3MMDZV	19	AC5MP	22	AC-BNC40MJ75	87	ACJM-MHD985	105
AC3FBHL1-AU-B	AC3MMDZVB	19	AC5MPNZ	22	AC-BNC40MP75	87	ACJM-MHDC*	107
AC3FBHL2-AU-B	AC3MMP	22	AC6AF	13	AC-BNC-JJ-75	86	ACJM-MHDCM	107
AC3FBHL3-AU-B	AC3MMPNZ	22	AC6AFB	13	AC-BNC-JJ-75B	86	ACJM-MHDE	108
AC3FBHL-AU-B	AC3MP	22	AC6AFB-AU	13	AC-BNC-JJA-75T	86	ACJM-MHDEM	108
AC3FBJ	AC3MPNZ	22	AC6AFB BULK	13	ACBNCJJJDW	136	ACJM-MHDM	108
AC3F BULK	AC4F	12	AC6AFBJ	13	AC-BNC-JS-75	86	ACJM-MHDR	106
AC3FBV1-AU-B	AC4FB	12	AC6AF BULK	13	AC-BNC-JS-75B	86	ACJM-MHDRAM	106
AC3FBV2-AU-B	AC4FB-AU	12	AC6AFDZ	21	AC-BNC-LABEL	87	ACJM-MHOM	106
AC3FBV3-AU-B	AC4FB BULK	12	AC6AFDZB	21	AC-BNC-PJ-75	86	ACJM-MHOP	106
AC3FBV-AU-B	AC4F BULK	12	AC6AFDZB-AU	21	AC-BNC-PJ-75B	86	ACJM-MHOP-1	106
AC3FBVL1-AU-B	AC4FDZ	20	AC6AFDZB BULK	21	AC-BNC-PJA-75T	86	ACJM-MHR	107
AC3FBVL2-AU-B	AC4FDZB	20	AC6AFDZV	21	AC-D-ADAPTER	136	ACJM-MHS	107
AC3FBVL3-AU-B	AC4FDZB-AU	20	AC6AFDZVB	21	AC-GROMMET-BRN	137	ACJM-MIV-2	108
AC3FBVL-AU-B	AC4FDZB BULK	20	AC6AFJ	13	AC-GROMMET-GRN	137	ACJM-MIV-2S	108
AC3FCP	AC4FDZ BULK	20	AC6AFPZ	22	AC-GROMMET-GRY	137	ACJM-MN-2	108
AC3FCP BULK	AC4FDZV	20	AC6AM	13	AC-GROMMET-ORG	137	ACJM-MN-2S	108
AC3FCPJ	AC4FDZVB	20	AC6AMB	13	AC-GROMMET-RED	137	ACJM-MV-2	108
AC3FDZ	AC4FJ	12	AC6AMB-AU	13	AC-GROMMET-VIO	137	ACJM-MV-2S	108
AC3FDZB	AC4FPZ	22	AC6AMB BULK	13	AC-GROMMET-WHT	137	ACJM-MV35-2	105
	AC4M	12	AC6AMBJ	13	AC-GROMMET-YEL	137	ACJM-MV35-2S	105
					ACJC5H BULK	44	ACJM-MVD985-2	105

ACJM-MVD985-2S	105	ACJS-PVB-3S	108	ACPS-TN	100	AX3FB	4	EP-4-14	63
ACJM-MVS-2	109	ACJS-PVB-5	108	ACPS-TN-AU	100	AX3FB-AU	4	EP-4-14B	63
ACJM-MVS-2S	109	AC-NUT-BLU	137	ACPS-TN BULK	100	AX3FB BULK	4	EP-5-11P	62
ACJM-NH35	105	AC-NUT-BRN	137	AC-RING-BLU	138	AX3F BULK	4	EP-5-11PB	62
ACJM-NV35-2	105	AC-NUT-GRN	137	AC-RING-BLU-PK1	138	AX3M	4	EP-5-12	62
ACJM-NV35-2S	105	AC-NUT-GRY	137	AC-RING-BLU-PK2	138	AX3MB	4	EP-5-12B	62
ACJM-PC	107	AC-NUT-J-BLK	138	AC-RING-BRN	138	AX3MB-AU	4	EP-5-13P	63
ACJM - PH	106	AC-NUT-METAL	138	AC-RING-GRN	138	AX3MB BULK	4	EP-5-13PB	63
ACJM-PHOP	106	AC-NUT-ORG	137	AC-RING-GRY	138	AX3M BULK	4	EP-5-14	63
ACJM-PHOP-1	106	AC-NUT-RED	137	AC-RING-ORG	138	AX4F	5	EP-5-14B	63
ACJM-PHR	107	AC-NUT-VIO	137	AC-RING-RED	138	AX4FB	5	EP-6-11P	62
ACJM-PHS	107	AC-NUT-WHT	137	AC-RING-RED-PK1	138	AX4FB-AU	5	EP-6-11PB	62
ACJM-PVB-2	108	AC-NUT-YEL	137	AC-RING-RED-PK2	138	AX4FB BULK	5	EP-6-12	62
ACJM-PVB-2S	108	ACPL-CBK	118	AC-RING-VIO	138	AX4F BULK	5	EP-6-12B	62
ACJR-BLK	118	ACPL-CBL	118	AC-RING-WHT	138	AX4M	4	EP-6-13P	63
ACJR-BLU	118	ACPL-CGR	118	AC-RING-YEL	138	AX4MB	5	EP-6-13PB	63
ACJR-GRN	118	ACPL-CRD	118	AC-RING-YEL-PK1	138	AX4MB-AU	5	EP-6-14	63
ACJR-RED	118	ACPL-CWH	118	AC-RING-YEL-PK2	138	AX4MB BULK	5	EP-6-14B	63
ACJR-SBK	118	ACPL-CYL	118	AG3F	121	AX4M BULK	4	EP-8-11P	62
ACJR-SBL	118	ACPM-GB	101	AG3FCCH	121	AX5F	5	EP-8-11PB	62
ACJR-SGR	118	ACPM-GB-AU	101	AG3FCE	121	AX5FB	5	EP-8-12	62
ACJR-SRD	118	ACPM-GB BULK	101	AG3FCRV	122	AX5FB-AU	5	EP-8-12B	62
ACJR-SWH	118	ACPM-GN	101	AG3FL	121	AX5FB BULK	5	EP-8-13P	63
ACJR-SYL	118	ACPM-GN-AU	101	AG3M	121	AX5F BULK	5	EP-8-13PB	63
ACJR-WHT	118	ACPM-GN BULK	101	AG3MCC	121	AX5M	5	EP-8-14	63
ACJR-YEL	118	ACPM-KB	99	AG3MCCH	121	AX5MB	5	EP-8-14B	63
ACJS-HHDR	105	ACPM-KB-AU	99	AG4F	121	AX5MB-AU	5		
ACJS-HHOP	106	ACPM-KB BULK	99	AG4FCCH	121	AX5MB BULK	5	F	
ACJS-HHOP-1	106	ACPM-KN	99	AG4FCE	121	AX5M BULK	5		
ACJS-IH	107	ACPM-KN-AU	99	AG4FCRV	122	AX-BOOT	137	FB-00BLMA-TL7001	83
ACJS-IHS	107	ACPM-KN-BULK	99	AG4FL	121	AX-BOOT-1	137	FB-00RLFJ-TC7001	83
ACJS-MC	107	ACPM-RB	102	AG4M	121	AX-BOOT-2	137		
ACJS - MH	107	ACPM-RB-AU	102	AG4MCC	121	AX-BOOT-3	137	H	
ACJS-MHD	108	ACPM-RB BULK	102	AG4MCCH	121	AX-BOOT-4	137		
ACJS-MHD985	105	ACPM-RN	102	AG4MPCH	122	AX-BOOT-5	137	HP-3-F	60
ACJS-MHDC*	107	ACPM-RN-AU	102	AG5F	121	AX-BOOT-6	137	HP-3-FG	60
ACJS-MHDCM	107	ACPM-RN BULK	102	AG5FCCH	121	AX-BOOT-7	137	HP-3-MD	60
ACJS-MHDE	108	ACPM-TB	100	AG5FCE	121	AX-BOOT-8	137	HP-3-MDG	60
ACJS-MHDEM	108	ACPM-TB-AU	100	AG5FCRV	122	AX-BOOT-9	137	HP-3-MDGW	60
ACJS-MHDM	108	ACPM-TB BULK	100	AG5FL	121	AX-BOOT-CLR	137	HP-3-MDW	60
ACJS-MHDR	106	ACPM-TN	100	AG5M	121	AX-MARK0	137		
ACJS-MHDRM	106	ACPM-TN-AU	100	AG5MCC	121	AX-MARK1	137	J	
ACJS-MHOM	106	ACPM-TN BULK	100	AG5MCCH	121	AX-MARK2	137		
ACJS-MHOP	106	ACPR-BLK	118	AG6F	121	AX-MARK3	137	JM2P	96
ACJS-MHOP-1	106	ACPR-BLU	118	AG6FCCH	121	AX-MARK4	137	JM2P-AU	96
ACJS-MHR	107	ACPR-GRN	118	AG6FCE	121	AX-MARK5	137	JM2PB	96
ACJS-MHS	107	ACPR-RED	118	AG6FCRV	122	AX-MARK6	137	JM2PB-AU	96
ACJS-MIV-3	108	ACPR-SBK	118	AG6FL	121	AX-MARK7	137	JM2PB BULK	96
ACJS-MIV-3S	108	ACPR-SBL	118	AG6M	121	AX-MARK8	137	JM2P BULK	96
ACJS-MIV-5	108	ACPR-SGR	118	AG6MCC	121	AX-MARK9	137	JS3P	96
ACJS-MN-3	108	ACPR-SRD	118	AG6MCCH	121			JS3P-AU	96
ACJS-MN-3S	108	ACPR-SWH	118	AP-4-11	64	B		JS3PB	96
ACJS-MN-5	108	ACPR-SYL	118	AP-4-12	64			JS3PB-AU	96
ACJS-MV-3	108	ACPR-WHT	118	AP-4-13	64	BECTVF19	82	JS3P BULK	96
ACJS-MV-3S	108	ACPR-YEL	118	AP-4-14	64	BFTVF19	82		
ACJS-MV-5	108	ACPS-GB	101	AP-4-21	64	BNC-U-LINK 75*1	86	K	
ACJS-MV35-3	105	ACPS-GB-AU	101	AP-4-22	64				
ACJS-MV35-3S	105	ACPS-GB BULK	101	AP-5-11	64	C		KM2P	115
ACJS-MV35-5	105	ACPS-GN	101	AP-5-12	64			KM2P-AU	115
ACJS-MVD985-3	105	ACPS-GN-AU	101	AP-5-13	64	CAP-WFBFTMA1	83	KM2PB	115
ACJS-MVD985-3S	105	ACPS-GN BULK	101	AP-5-14	64			KM2PB-AU	115
ACJS-MVD985-5	105	ACPS-KB	99	AP-5-21	64	E		KM2PB BULK	115
ACJS-MVS-3	109	ACPS-KB-AU	99	AP-5-22	64			KM2P BULK	115
ACJS-MVS-3S	109	ACPS-KB BULK	99	AP-6-11	64	EP-3-11P	62	KS3P	115
ACJS-MVS-5	109	ACPS-KN	99	AP-6-12	64	EP-3-11PB	62	KS3P-AU	115
ACJS-NH35	105	ACPS-KN-AU	99	AP-6-13	64	EP-3-12	62	KS3PB	115
ACJS-NV35-3	105	ACPS-KN BULK	99	AP-6-14	64	EP-3-12B	62	KS3PB-AU	115
ACJS-NV35-3S	105	ACPS-RB	102	AP-6-21	64	EP-3-13P	63	KS3PB BULK	115
ACJS-NV35-5	105	ACPS-RB-AU	102	AP-6-22	64	EP-3-13PB	63	KS3P BULK	115
ACJS-PC	107	ACPS-RB BULK	102	AP-8-11	64	EP-3-14	63	KS3PC	115
ACJS - PH	107	ACPS-RN	102	AP-8-12	64	EP-3-14B	63	KS3PC-AU	115
ACJS-PHOP	106	ACPS-RN-AU	102	AP-8-13	64	EP-4-11P	62		
ACJS-PHOP-1	106	ACPS-RN BULK	102	AP-8-14	64	EP-4-11PB	62	L	
ACJS-PHR	107	ACPS-TB	100	AP-8-21	64	EP-4-12	62		
ACJS-PHS	107	ACPS-TB-AU	100	AP-8-22	64	EP-4-12B	62	LCFTV6MTNN	82
ACJS-PVB-3	108	ACPS-TB BULK	100	AX3F	4	EP-4-13P	63	LCFTV20NN	82
						EP-4-13PB	63	LCFTVD	82

LCFTVMO	82	MP-6216-61P-C	131	RJX8FB5VGRB	75	SP-2-FSL	51	TM2RJ-AU	93
M		MP-6511-39S	131	RJX8FB5VGREB	76	SP-2-MD	53	TM2RJ BULK	93
		MP-6511-39S-C	131	RJX8FB5VGYB	75	SP-2-MDH	53	TS3P	92
		MP-6511-61S	131	RJX8FB5VGYEB	76	SP-2-MDV	53	TS3P-AU	92
M22520/1-01	129	MP-6511-61S-C	131	RJX8FB5VRGB	75	SP-4-F	52	TS3PB	92
MP-738-39L	132	MP-6516-39P	131	RJX8FB5VRGEB	76	SP4F4FDW	136	TS3PB-AU	92
MP-738-39S	132	MP-6516-39P-C	131	RJX8FB5VRRB	75	SP-4-FB	52	TS3PB BULK	92
MP-738-61L	132	MP-6516-61P	131	RJX8FB5VRREB	76	SP-4-FBG	52	TS3PBJ	92
MP-738-61S	132	MP-6516-61P-C	131	RJX8FB5VRYB	75	SP-4-FBL	52	TS3PBM	93
MP-742-39L	132	MP-25042-13L	127	RJX8FB5VRYEB	76	SP-4-FBS	52	TS3PBM-AU	93
MP-742-39S	132	MP-25042-13S	127	RJX8FB5VUUB	75	SP-4-FBSG	52	TS3PBM BULK	93
MP-742-61L	132	MP-25042-19L	127	RJX8FB5VUUEB	76	SP-4-FBSL	52	TS3PBMJ	93
MP-742-61S	132	MP-25042-19S	127	RJX8FB6HB	74	SP-4-FG	52	TS3P BULK	92
MP-4101-13P	126	MP-25042-25L	127	RJX8FB6HEB	74	SP-4-FL	52	TS3PJ	92
MP-4101-13P-C	126	MP-25042-25S	127	RJX8FB6HGRB	74	SP-4-FN	52	TS3PN	93
MP-4101-19P	126	MP-25042-37L	127	RJX8FB6HGREG	75	SP-4-FNG	52	TS3PN-AU	93
MP-4101-19P-C	126	MP-25042-37S	127	RJX8FB6HGYB	74	SP-4-FNL	52	TS3PN BULK	93
MP-4101-25P	126	MP-25042-54L	127	RJX8FB6HGYEB	75	SP-4-FNS	52	TS3PNJ	93
MP-4101-25P-C	126	MP-25042-54S	127	RJX8FB6HRGB	74	SP-4-FNSG	52	TS3R	93
MP-4101-37P	126	MP-25042-85L	127	RJX8FB6HRGEB	75	SP-4-FNSL	52	TS3RB	93
MP-4101-37P-C	126	MP-25042-85S	127	RJX8FB6HRRB	74	SP-4-FS	52	TS3RBJ	93
MP-4101-54P	126	MP-25042-150L	127	RJX8FB6HRRB	75	SP-4-FSG	52	TS3RBJ-AU	93
MP-4101-54P-C	126	MP-25042-150S	127	RJX8FB6HRYB	74	SP-4-FSL	52	TS3RBJ BULK	93
MP-4101-85P	126	MP-25043-13L	128	RJX8FB6HRYEB	75	SP-4-MC	54	TS3RJ	93
MP-4101-85P-C	126	MP-25043-13S	128	RJX8FB6HUUB	74	SP-4-MD	53	TS3RJ-AU	93
MP-4101-150P	126	MP-25043-19L	128	RJX8FB6HUUEB	75	SP-4-MD-8	53	TS3RJ BULK	93
MP-4101-150P-C	126	MP-25043-19S	128	RJX8FB6VB	75	SP-4-MDHT	54		
MP-4102-13P	127	MP-25043-25L	128	RJX8FB6VEB	75	SP-4-MDHT-8	54		
MP-4102-13P-C	127	MP-25043-25S	128	RJX8FB6VGRB	75	SP-4-MDT	53		
MP-4102-19P	127	MP-25043-37L	128	RJX8FB6VGREB	76	SP-4-MDV	54		
MP-4102-19P-C	127	MP-25043-37S	128	RJX8FB6VGYB	75	SP-4-MDV-2	54		
MP-4102-25P	127	MP-25043-54L	128	RJX8FB6VGYEB	76	SP-4-MDVT-8	54		
MP-4102-25P-C	127	MP-25043-54S	128	RJX8FB6VRGB	75				
MP-4102-37P	127	MP-25043-85L	128	RJX8FB6VRGEB	76	T			
MP-4102-37P-C	127	MP-25043-85S	128	RJX8FB6VRRB	75				
MP-4102-54P	127	MP-25043-150L	128	RJX8FB6VRREB	76	T2860	136		
MP-4102-54P-C	127	MP-25043-150S	128	RJX8FB6VRYB	75	T2880	136		
MP-4102-85P	127	MP-108300	129	RJX8FB6VRYEB	76	T2890	136		
MP-4102-85P-C	127	MP-108400	129	RJX8FB6VUUB	75	TH29-1	129		
MP-4102-150P	127	MP-108500	129	RJX8FB6VUUEB	76	TM1P	94		
MP-4102-150P-C	127	MP-108600	129	RJX8FD3HB	78	TM1P-AU	94		
MP-4106-13S	126	MP-EXT-16/18	129	RJX8FD3VB	78	TM1PB	94		
MP-4106-13S-C	126	MP-GUIDE-16	129	RJX8FD5HB	78	TM1PB-AU	94		
MP-4106-19S	126	MP-GUIDE-18	129	RJX8FD5I	78	TM1PB BULK	94		
MP-4106-19S-C	126	MP-INS-16	129	RJX8FD5T	78	TM1PBJ	94		
MP-4106-25S	126	MP-INS-18	129	RJX8FD5VB	78	TM1P BULK	94		
MP-4106-25S-C	126			RJX8FD6HB	78	TM1PJ	94		
MP-4106-37S	126	R		RJX8FD6I	78	TM1RBJ	94		
MP-4106-37S-C	126			RJX8FD6VB	78	TM1RBJ-AU	94		
MP-4106-54S	126	RJD1112-0050	68	RJX8FD5110	78	TM1RBJ BULK	94		
MP-4106-54S-C	126	RJD1212-0050	68	RJX8FD6110	78	TM1RJ	94		
MP-4106-85S	126	RJX8FA3HB	74	RJX8M	71	TM1RJ-AU	94		
MP-4106-85S-C	126	RJX8FA3VB	75	RJX8MB	71	TM1RJ BULK	94		
MP-4106-150S	126	RJX8FA5VB	75	RJX8MB BULK	71	TM2P	92		
MP-4106-150S-C	126	RJX8FA6HB	74	RJX8M BULK	71	TM2P-AU	92		
MP-4164-13S	127	RJX8FA6VB	75	S		TM2PB	92		
MP-4164-13S-C	127	RJX8FB3HB	74	SP-2-F	51	TM2PB-AU	92		
MP-4164-19S	127	RJX8FB3HEB	74	SP2F2FDW	136	TM2PB BULK	92		
MP-4164-19S-C	127	RJX8FB3VB	75	SP-2-FB	51	TM2PBJ	92		
MP-4164-25S	127	RJX8FB3VEB	75	SP-2-FBG	51	TM2PBM	93		
MP-4164-25S-C	127	RJX8FB5HB	74	SP-2-FBL	51	TM2PBM-AU	93		
MP-4164-37S	127	RJX8FB5HEB	74	SP-2-FBS	51	TM2PBM BULK	93		
MP-4164-37S-C	127	RJX8FB5HGRB	74	SP-2-FBSG	51	TM2PBMJ	93		
MP-4164-54S	127	RJX8FB5HGREG	75	SP-2-FBSL	51	TM2P BULK	92		
MP-4164-54S-C	127	RJX8FB5HGYB	74	SP-2-FG	51	TM2PJ	92		
MP-4164-85S	127	RJX8FB5HGYEB	75	SP-2-FL	51	TM2PN	93		
MP-4164-85S-C	127	RJX8FB5HRGB	74	SP-2-FN	51	TM2PN-AU	93		
MP-4164-150S	127	RJX8FB5HRGEB	75	SP-2-FNG	51	TM2PN BULK	93		
MP-4164-150S-C	127	RJX8FB5HRRB	74	SP-2-FNL	51	TM2PNJ	93		
MP-6211-39S	131	RJX8FB5HRREB	75	SP-2-FNS	51	TM2R	93		
MP-6211-39S-C	131	RJX8FB5HRYB	74	SP-2-FNSG	51	TM2RB	93		
MP-6211-61S	131	RJX8FB5HRYEB	75	SP-2-FNSL	51	TM2RBJ	93		
MP-6211-61S-C	131	RJX8FB5HUUB	74	SP-2-FS	51	TM2RBJ-AU	93		
MP-6216-39P	131	RJX8FB5HUUEB	75	SP-2-FSG	51	TM2RBJ BULK	93		
MP-6216-39P-C	131	RJX8FB5VB	75			TM2RJ	93		
MP-6216-61P	131	RJX8FB5VEB	75						

PRODUCT SAFETY INFORMATION

This should be read in conjunction with Data Sheet information contained in individual product brochures. Failure to observe the advice in this information sheet and the operating conditions specified in the Data Sheets could result in hazardous situations.

1. Material Content and Physical Form

Electrical connectors do not usually contain hazardous materials. They contain conducting and non-conducting materials. Shells are manufactured in metal and plastic. Insulators can be formed in either natural rubber, synthetic rubber, plastic or glass insulating materials. Contact materials vary with the type of connector and its application. They are usually manufactured from either copper alloys, nickel, alumel, chromel or steel. In special applications, other alloys may be specified.

2. Fire Characteristics and Electric Shock Hazard

There is no fire hazard when the connector is correctly wired and used within the specified parameters. Incorrect wiring or assembly of the connector or careless use of metal tools or conductive fluids, or transit damage to any of the component parts may cause electric shock or burns. Live circuits must not be broken by separating mated connectors as this may cause arcing, ionisation and burning. Heat dissipation is greater at maximum resistance in a circuit. Hot spots may occur when resistance is raised locally by damage, e.g. cracked or deformed contacts, or broken strands of wire. Local overheating may also result from the use of the incorrect application tools or from poor quality soldering.

Overheating may occur if the ratings in the Data Sheets are exceeded and can cause breakdown of insulation and hence electric shock.

If heating is allowed to continue it intensifies by further increasing the local resistance through loss of temper or spring contact, formation of oxide film on contacts and wires, and leakage currents through carbonisation of insulation and tracking points. Fire can then result in the presence of combustible materials and this may release noxious fumes. Overheating may not be visually apparent. Burns may result from touching overheated components.

3. Handling

Care must be taken to avoid damage to any component parts of electrical connectors during installation and use. Although there are normally no sharp edges, care must be taken when handling certain components to avoid injury to fingers. Electrical connectors may be damaged in transit to customers, and damage may result in creation of hazards. Products should therefore be examined prior to installation/use and rejected if found to be damaged.

4. Disposal

Incineration of certain materials may release noxious or even toxic fumes.

5. Application

Connectors with exposed contacts should not be selected for use on the current supply side of an electrical circuit, because an electric shock could result from touching exposed contacts of an unmated connector. Voltages in excess of 30 V.A.C. or 42.5

V.D.C. are potentially hazardous and care should be taken to ensure that such voltages cannot be transmitted in any way to exposed metal parts of the connector body. The connector and wiring should be checked, before making live, to have no damage to metal parts or insulators, no solder blobs, loose strands, conducting lubricants, swarf, or any other undesired conducting particles. Circuit resistance and continuity check should be made to make certain that there are no low resistance joints or spurious conducting paths. Always use the correct application tools as specified in the Data Sheets. Do not permit untrained personnel to wire, assemble or tamper with connectors. For operation voltage please see appropriate national regulations.

Important General Information

A) Air and creepage paths / Operating voltage.

The admissible operating voltages depend on the individual applications and the valid national and other applicable safety regulations. For this reason the air and creepage path data are only reference values. Observe reduction of air and creepage paths due to PC board and/or harnessing.

B) Other important information

Amphenol Australia Pty Ltd continuously endeavours to improve its products. Therefore, products may deviate from the description, technical data and shape as shown in product brochures.

C) Assembly instructions

If applicable, special assembly instructions have been included in or on the connector packaging. See also separate instructions in product brochures.

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