

M12 Connector

TE Internal #: T4143412041-000

Wire-to-Panel, 4 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector, Standard Circular

Connectors

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Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount PCB











Connector System: Wire-to-Panel

Connector Mounting Type: Panel Mount

Number of Positions: 4

Sealable: Yes

Connector & Contact Terminates To: Wire & Cable

All M12 Panel Mount PCB (111)

Features

Product Type Features

Product Type	Connector Assembly
Accessory Color	Black
Assembly Requirement	Factory Assembled
Assembly Type	Electrical Connector
Circular Connector Shell Type	Metal-Shell
Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Metal

Configuration Features

Keying & Polarized Position Locations	В	



Factory Installed Backshell	No
Keying	В
Number of Positions	4
Number of Power Positions	0
Number of Signal Positions	4
Contacts Preloaded	Yes
Electrical Characteristics	
Operating Voltage	250 VAC
Body Features	
Peripheral Seal Material	Silicone
Environmental Protection	IP67
O-Ring Material	Silicone
Environmental Protection Type	Elastomer Sealed
Shell Plating Material	Nickel
Shell Base Material	Copper Alloy
Circular Connector Insulation Material Type	Polyamide GF
Hermetically Sealed	Yes
Hermetically Sealed Contact Features	Yes
	Yes 4 A
Contact Features	
Contact Features Contact Current Rating (Max)	4 A
Contact Features Contact Current Rating (Max) Reverse Gender	4 A Yes
Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type	4 A Yes
Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment	4 A Yes Socket
Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Mating Retention Type	4 A Yes Socket Threaded Coupling
Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Mating Retention Type Mating Alignment	4 A Yes Socket Threaded Coupling With
Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Mating Retention Type Mating Alignment Connector Mounting Type	4 A Yes Socket Threaded Coupling With Panel Mount
Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Mating Retention Type Mating Alignment Connector Mounting Type Polarization Code	4 A Yes Socket Threaded Coupling With Panel Mount B
Contact Features Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Mating Retention Type Mating Alignment Connector Mounting Type Polarization Code Mating Alignment Type	4 A Yes Socket Threaded Coupling With Panel Mount B
Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Mating Retention Type Mating Alignment Connector Mounting Type Polarization Code Mating Alignment Type Housing Features	4 A Yes Socket Threaded Coupling With Panel Mount B Keyed
Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Mating Retention Type Mating Alignment Connector Mounting Type Polarization Code Mating Alignment Type Housing Features Circular Connector Shell Size	4 A Yes Socket Threaded Coupling With Panel Mount B Keyed
Contact Current Rating (Max) Reverse Gender Circular Connector Contact Type Mechanical Attachment Mating Retention Type Mating Alignment Connector Mounting Type Polarization Code Mating Alignment Type Housing Features Circular Connector Shell Size Usage Conditions	4 A Yes Socket Threaded Coupling With Panel Mount B Keyed



Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Durability Rating	100 Cycles
Circuit Application	Signal
Shielded	No
Industry Standards	
UL Flammability Rating	UL 94HB
Packaging Features	
Packaging Quantity	1
Other	
Field Serviceable	Yes

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (4% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on

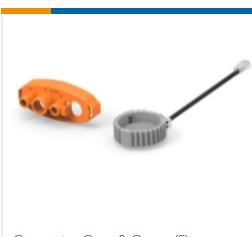


requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



Also in the Series | M12 Connector



Connector Caps & Covers(5)



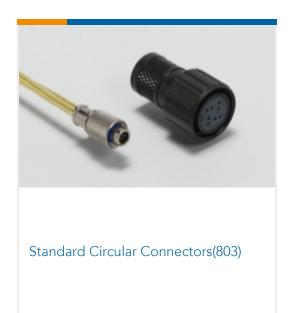
Connector Hardware(12)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)



Customers Also Bought





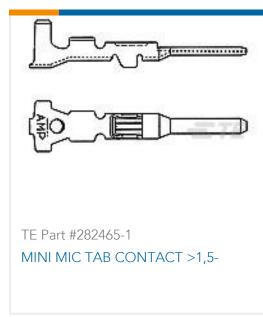


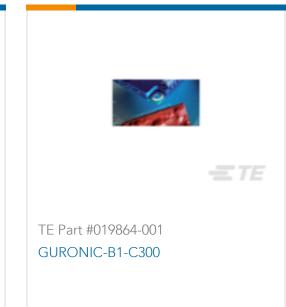












TE Part #199135-000 382A012-15-0

TE Part #862779-000 382A012-15-CS-2067-0

Documents

Product Drawings

M12,FRONT MOUNTING,FEMALE,B CODE,4P

English

CAD Files

Customer View Model

ENG_CVM_CVM_T4143412041-000_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_T4143412041-000_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_T4143412041-000_B.2d_dxf.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

Product Specifications

Application Specification

English

Agency Approvals

UL

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English