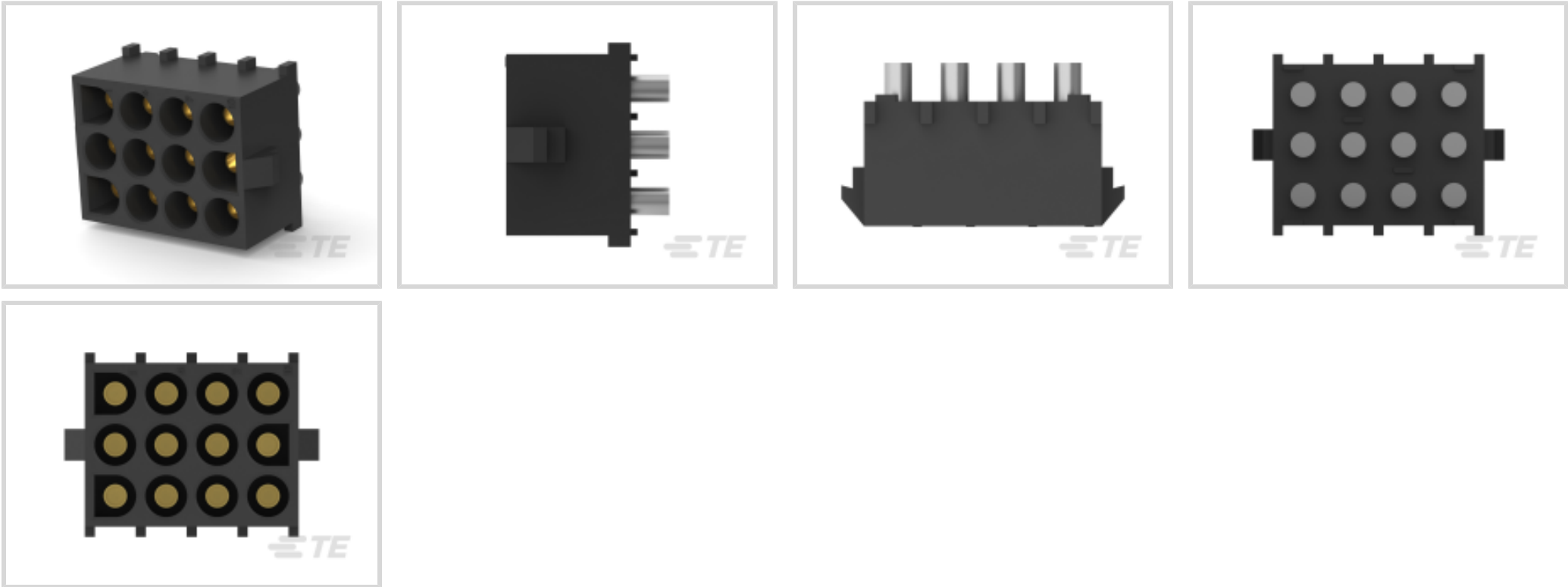




Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
Connector System: **Wire-to-Board**
Number of Positions: **12**
Number of Rows: **3**
Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	12
Number of Columns	4
Number of Loaded Positions	12
Connector Contact Load Condition	Fully Loaded
Number of Positions	12
Number of Rows	3



PCB Mount Orientation	Vertical
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Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Black
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Contact Features

Contact Size	2.95mm
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Layout	Matrix
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
Contact Mating Area Plating Material Thickness	.76 – .91 µm[30 – 36 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Round
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Type	Socket
Contact Current Rating (Max)	12 A

Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	3.56 mm[.14 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Standard Polarized Tail
Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With



PCB Mount Retention	Without
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Housing Features

Mating Entry Location	Top
Housing Material	Nylon
Centerline (Pitch)	6.35 mm[.25 in]

Dimensions

Connector Length	26.67 mm[1.05 in]
Connector Height	13.97 mm[.55 in]
Connector Width	20.32 mm[.8 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Profile Height from PCB	14.73 mm[.58 in]
Row-to-Row Spacing	6.35 mm[.25 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	94
Packaging Method	Carton

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No 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)

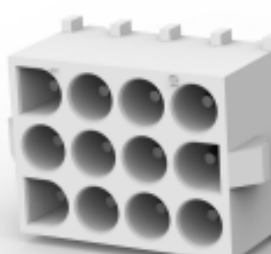


	Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

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

 TE Part # 350737-4 12P UMNL PIN HDR ASSY 94VO LF	 TE Part # 350433-4 12P UMNL PIN HDR ASSY NATL LF	 TE Part # 350737-1 12P UMNL PIN HDR ASSY 94VO	 TE Part # 350587-1 12P UMNL PIN HDR ASSY V2 NATL
 TE Part # 350783-1 12P UMNL CAP HSG	 TE Part # 641974-3 12P UMNL PIN HDR ASSY 94VO LF	 TE Part # 641973-1 12P UMNL PIN HDR ASSY V2 NATL	 TE Part # 350433-1 12P UMNL PIN HDR ASSY NATL
 TE Part # 350764-4 12P UMNL HDR ASSY PC	 TE Part # 1586174-1 06P UMNL PIN HDR 94VO NDH	 TE Part # 794880-1 09P UMNL PIN HDR ASSY 94VO	 TE Part # 1-480709-9 12P UMNL CAP HSG BLK



TE Part # 643428-1
12P UMNL HDR ASSY POL 94VO

TE Part # 1-480709-0
12P UMNL CAP HSG NATL

TE Part # 641974-1
12P UMNL PIN HDR ASSY 94VO

TE Part # 350764-5
12P UMNL HDR ASSY PC LF

TE Part # 1-480709-4
12P UMNL CAP HSG YELL

TE Part # 1586176-1
12P UMNL PIN HDR 94VO NDH

TE Part # 2-480709-0
12P UMNL CAP HSG NATL

TE Part # 643428-2
12P UMNL HDR ASSY POL

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors(2)

Connector Caps & Covers(34)

Connector Contacts(209)

Connector Hardware(12)

Connector Seals & Cavity Plugs(27)

Connector Strain Relief(7)

Insertion & Extraction Tools(4)

PCB Headers & Receptacles(285)

Rectangular Connector Housings(1)

Rectangular Power Connectors(379)

Standard Circular Connectors(1)

Customers Also Bought



TE Part #3-292229-4
1.5 MINI CT D/R SMT 34P V ONTA

TE Part #641968-4
4P UMNL PIN HDR POL VO, AU, LF

TE Part #87283-2
02 MODI HDR SRST .156CL

TE Part #2334219-1
15 PLUG SP/FMS INSRT

TE Part #2-1372722-1
CUTTING PLATE

TE Part #3-206934-1
CPC RECPT ASSY SZ 23-37 W/ INS

Documents

Product Drawings

12P UMNL HDR ASSY POL 94VO

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_643428-3_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_643428-3_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_643428-3_H.3d_stp.zip

English

Customer View Model

ENG_CVM_643428-3_H1.3d_igs.zip

English

Customer View Model

ENG_CVM_643428-3_H1.3d_stp.zip

English

Customer View Model

ENG_CVM_643428-3_H1.2d_dxf.zip

English

3D PDF

English



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[Application Specification](#)
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