

AMP M12, M12 Connector

TE Internal #: 1838891-4

Standard Circular Connectors, Wire-to-Panel, 8 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Unplated, Plastic, AMP M12

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Connectors > Circular Connectors > Standard Circular Connectors

Connector System: **Wire-to-Panel**Connector Mounting Type: **Panel Mount**Number of Positions: **8**Sealable: **Yes**Connector & Contact Terminates To: **Wire & Cable**

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	Plastic

Configuration Features

Number of Positions	8
Number of Power Positions	0

Number of Signal Positions	8
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Contacts Preloaded	Yes
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Electrical Characteristics

Operating Voltage	500 VAC
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Body Features

Environmental Protection Type	Sealed
Environmental Protection	With
Shell Plating Material	Unplated
Shell Base Material	Plastic
Circular Connector Insulation Material Type	Polyamide
Hermetically Sealed	Yes

Contact Features

Contact Current Rating (Max)	2 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket

Mechanical Attachment

Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed

Housing Features

Circular Connector Shell Size	18
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Usage Conditions

Operating Temperature Range	-40 - 85 °C [-40 - 185 °F]
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Operation/Application

Circuit Application	Signal
Shielded	No

Packaging Features

Packaging Quantity	50
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Other

Field Serviceable	No
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://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: JAN 2024 (240) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

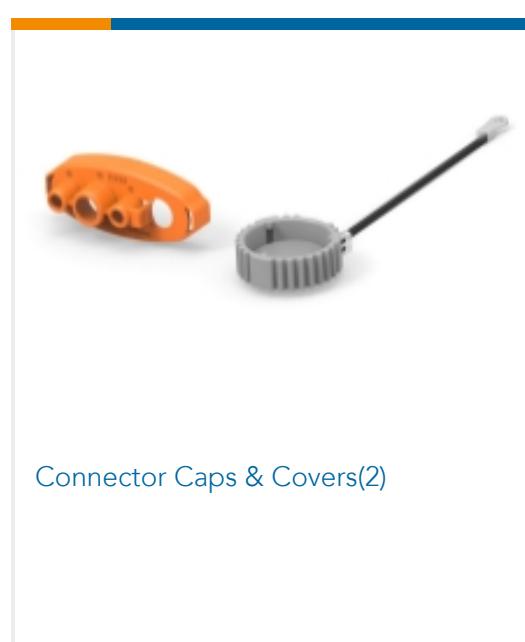
Product Compliance Disclaimer

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>

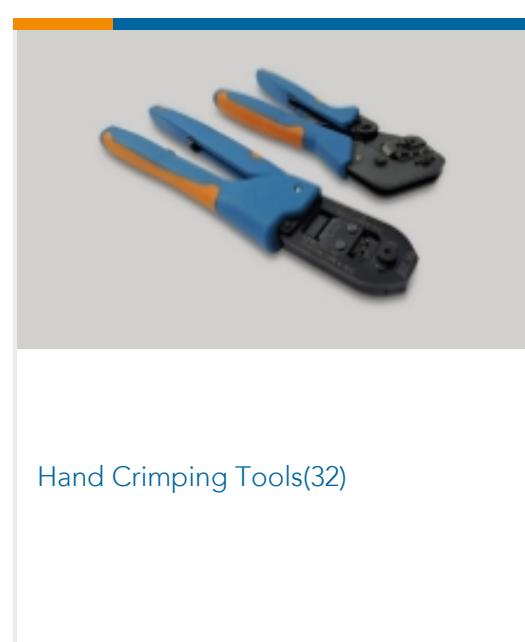
Compatible Parts



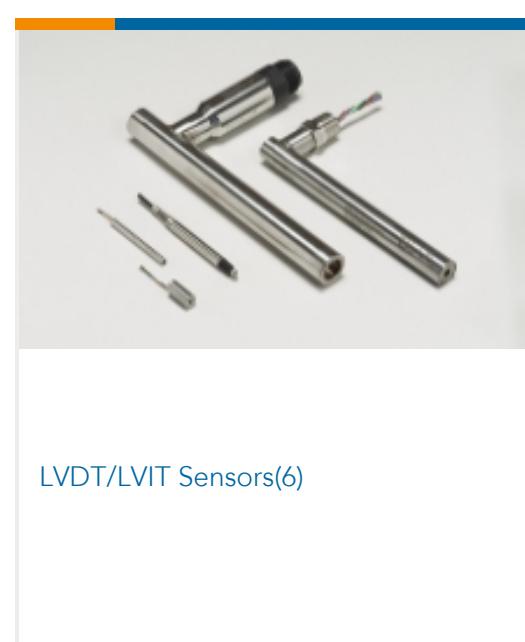
Also in the Series | AMP M12



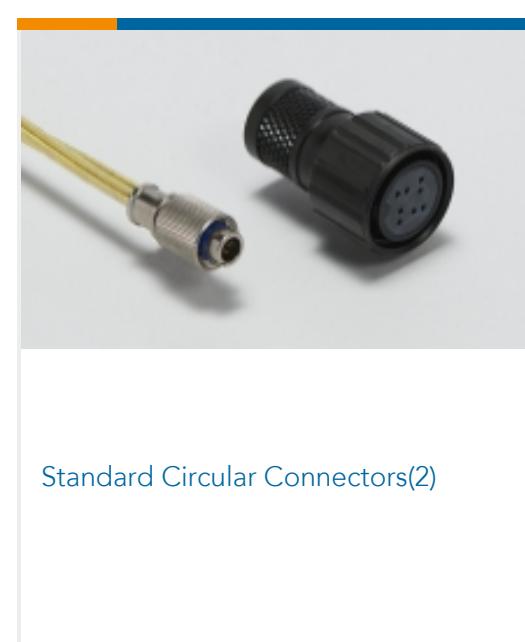
Connector Caps & Covers(2)



Hand Crimping Tools(32)



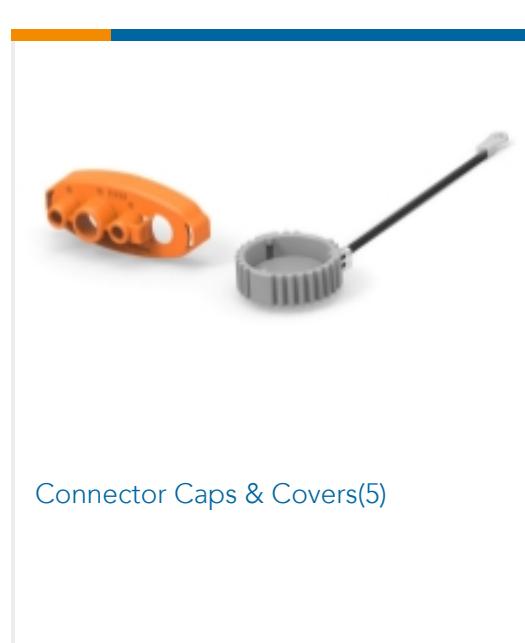
LVDT/LVIT Sensors(6)



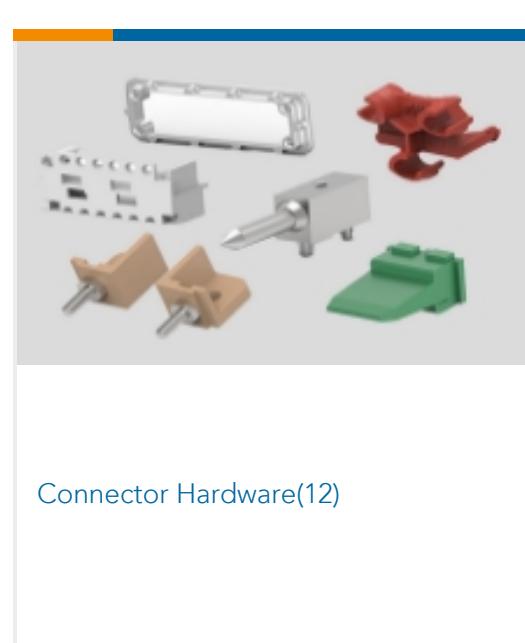
Standard Circular Connectors(2)

Also in the Series

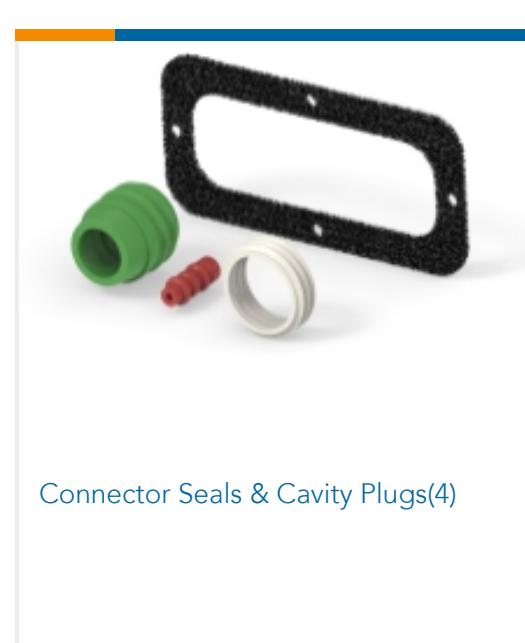
M12 Connector



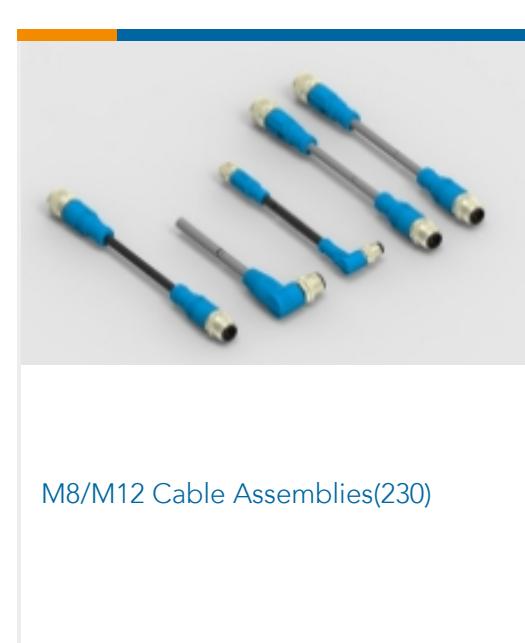
Connector Caps & Covers(5)



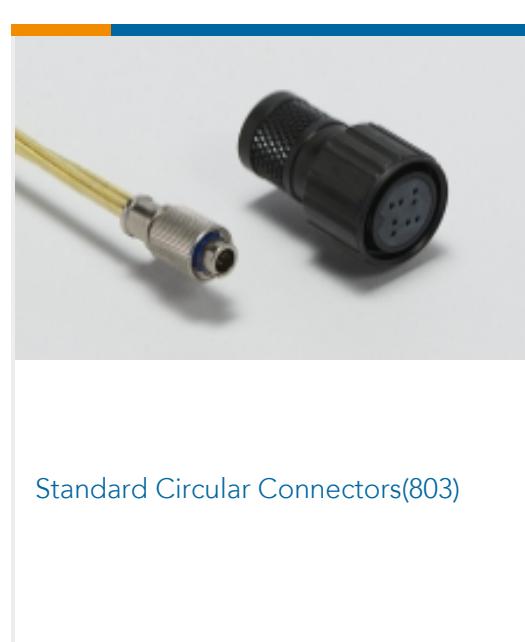
Connector Hardware(12)



Connector Seals & Cavity Plugs(4)

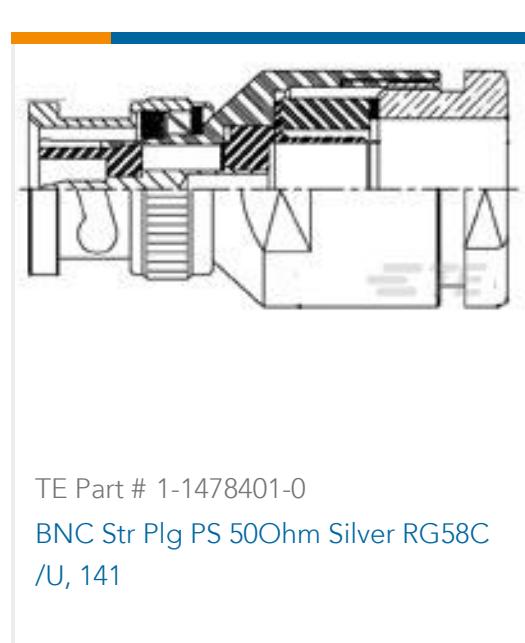


M8/M12 Cable Assemblies(230)



Standard Circular Connectors(803)

Customers Also Bought

TE Part # 32883
TERMINAL,PIDG R 12-10 10TE Part # 1903114-2
DYNAMIC D1000 TAB CONT AU 0.38
um 2L REELTE Part # T4071017031-001
M8.FMLE.PNLREAR.3POS.STR WIRETE Part # 1838891-2
M12 Mtl FEMALE PNL CONN. Sldr
Rear (Hex)TE Part # 1-1478401-0
BNC Str Plg PS 50Ohm Silver RG58C
/U, 141TE Part # 282010-010
44A0111-18-0TE Part # EG8790-000
400R0111-14-0TE Part # EG8791-000
400R0111-14-9



TE Part # EG8795-000
400R0111-18-9

Documents

Product Drawings

[M12 Mtl FEMALE PNL CONN. Sldr Rear \(Hex\)](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1838891-4_C.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1838891-4_C.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1838891-4_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[M8 / M12 Connector System Catalog](#)

English

Product Specifications

[Application Specification](#)

English