



M12 Connector, AMP M12

TE Internal #: 1838891-4

8 Position Circular Connector, Wire-to-Panel, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Plastic, Code A, Polyamide, AMP M12

[View on TE.com >](#)

Connectors > Circular Connectors > Standard Circular Connectors



Number of Positions: 8

Connector System: **Wire-to-Panel**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

Contact Current Rating (Max): **2 A**

Features

Electrical Characteristics

Operating Voltage	500 VAC
-------------------	---------

Packaging Features

Packaging Quantity	50
--------------------	----

Termination Features

Termination Method to Wire & Cable	Solder
------------------------------------	--------

Industry Standards

Compatible With Approved Standards Products	IEC
---	-----

Usage Conditions

IP Water Sealing Level	IP67
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Body Features

O-Ring Material	EPDM
Environmental Protection	IP67



Environmental Protection Type	Sealed
Primary Product Color	Black
Shell Base Material	Plastic
Circular Connector Insulation Material Type	Polyamide
Hermetically Sealed	Yes

Mechanical Attachment

Panel Mount Feature	With
Mating Retention Type	Threaded
PCB Mount Retention	With
Panel Mount Feature Type	Screw Nut
Mating Alignment	With
PCB Mount Alignment	With
Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed
Mating Retention	With

Product Type Features

Assembly Requirement	Factory Assembled
Circular Connector Shell Type	All Plastic
Connector Product Type	Connector Assembly
Assembly Type	Electrical Connector
Prewired	No
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Receptacle
Shell Type	Plastic

Configuration Features

Keying & Polarized Position Locations	A
Factory Installed Backshell	With
Number of Positions	8
Number of Power Positions	0
Number of Signal Positions	8



Contacts Preloaded	Yes
--------------------	-----

Contact Features

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

Housing Features

Circular Connector Shell Size	18
-------------------------------	----

Operation/Application

Circuit Application	Signal
Shielded	No

Other

EU RoHS Compliance	Compliant with Exemptions
EU ELV Compliance	Compliant with Exemptions

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: 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



TE Part # T4142012041-000
M12,FRONT MOUNTING,MALE,A
CODE,4P

Also in the Series | M12 Connector




Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



M8/M12 Cable Assemblies(230)




Standard Circular Connectors(2)


Also in the Series | AMP M12




Connector Caps & Covers(2)



Hand Crimping Tools(32)



LVDT Sensors(6)



Standard Circular Connectors(2)

Customers Also Bought



TE Part #465315-000
TXR40AB00-2212AI



TE Part #1375795-1
ASSY, 64/40 POS PC104



TE Part #1757820-5
AMPLIMITE,ASY,RCPT,STD,109,ZN,5



TE Part #6-87523-9
MOD IV RECP LP LF





TE Part #1986172-1
PASSTHROUGH SHIELDED RECPT
ASSY



TE Part #5-102393-1
06 AMPMODU MT ASSY DR.100CL SN



TE Part #ANT-5GW-IPW1-NP
Antenna Whip 5G WB Cell IP67 N Plug



TE Part #1375796-3
ASSY, 64/40 POS PC104 LF



TE Part #1829904-3
HEAT SINK SFP DWDM 6.5mm TALL

TE Part #556144-2
CLIP,BAIL,SPECIAL,LONG

Documents

Product Drawings

M12 MtI 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_igs.zip

English

Customer View Model

ENG_CVM_CVM_1838891-4_C.3d_stp.zip

English

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