5-2172080-2 ✔ ACTIVE

TE Internal #: 5-2172080-2

Standard Circular Connectors, Wire-to-Board, 8 Position, Sealable, Signal, Panel Mount, Reverse Gender, Nickel, Brass, A Polarization Code, Polyamide

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Connectors > Circular Connectors > Standard Circular Connectors





Connector System: **Wire-to-Board**

Number of Positions: **8**

Sealable: **Yes**

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

Circuit Application: **Signal**

Features

Product Type Features

Product Type	Connector Assembly
Connector System	Wire-to-Board
Sealable	Yes
Circular Connector Type	Receptacle
Shell Type	Metal

Configuration Features

Number of Positions	8
Number of Power Positions	0
Number of Signal Positions	8
Contacts Preloaded	Yes

Body Features

Shell Plating Material	Nickel
Shell Base Material	Brass
Circular Connector Insulation Material Type	Polyamide

Contact Features

Contact Current Rating (Max)	2 A
Reverse Gender	Yes
Contact Layout Arrangement	Circular
Circular Connector Contact Type	Pin

Mechanical Attachment

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

Housing Features

Circular Connector Shell Size	12

Usage Conditions

IP Water Sealing Level	8
IP Dust Sealing Level	6
Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]

Operation/Application

Circuit Application	Signal
Shielded	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
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 2023 (235) Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Part # T4110012081-000
M12 F, 8P GOLD A_CODE S SHIELDED PG9

Customers Also Bought

TE Part #W3S-1939-P012
WEDGE LOCK, 3P, PLG, BLU,SL RET, J1939,DT

Documents

Product Drawings

M12.MALE.PNLREAR.ACODE.8P.PCBSTD.SRT.SHL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-2172080-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-2172080-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2172080-2_A.3d_stp.zip

English

Datasheets & Catalog Pages

M8 / M12 Connector System Catalog

English

M8 / M12 Connector System Catalog

Japanese

Product Specifications

Application Specification

English