5-2271143-2 ✔ ACTIVE

TE Internal #: 5-2271143-2

Standard Circular Connectors, Wire-to-Board, 8 Position, Sealable, Printed Circuit Board, Signal, Reverse Gender, Nickel, Zinc Alloy

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

Number of Positions: **8**

Sealable: **Yes**

Connector & Contact Terminates To: **Printed Circuit Board**

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

Features

Product Type Features

Product Type	Connector
Connector System	Wire-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board
Circular Connector Type	Plug
Shell Type	Metal

Configuration Features

Keying	A
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	Zinc Alloy

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Circular Connector Insulation Material Type	Polyamide 66 GF25
Hermetically Sealed	No

Contact Features

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

Mechanical Attachment

Polarization Code	A
Mating Alignment Type	Keyed
Mating Retention	With

Housing Features

Circular Connector Shell Size	12
Alignment Keyed	45°

Dimensions

Wire Size	.14 – .25 mm², .14 – .25 mm²

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Circuit Application	Signal
Shielded	No

Industry Standards

Approved Standards	W

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224)

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SVHC > Threshold:

Pb (3% 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 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 # T4111002081-000
M12,MALE,STRAIGHT,A CODE,8P,
PG9,GOLD

Documents

Product Drawings
M12 FEMALE PNL.A CODE.8P.PCB TYPE.(AU)

English

CAD Files
3D PDF

3D
Customer View Model
ENG_CVM_CVM_5-2271143-2_A.2d_dxf.zip

English
Customer View Model
ENG_CVM_CVM_5-2271143-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2271143-2_A.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

Product Specification

English