# 5-2271143-2 ACTIVE

#### M12 Connector

TE Internal #: 5-2271143-2

Wire-to-Panel, 8 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, M12 Connector, Standard Circular

Connectors

View on TE.com >



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**

Troduct Type reduces	
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	Metal
Configuration Features	
Keying	A
Number of Positions	8



Number of Power Positions	0
Number of Signal Positions	8
Contacts Preloaded	Yes
Electrical Characteristics	
Operating Voltage	60 VAC
Body Features	
Environmental Protection	IP68
Shell Plating Material	Nickel
Shell Base Material	Zinc Alloy
Circular Connector Insulation Material Type	Polyamide 66 GF25
Hermetically Sealed	Yes
Contact Features	
Contact Current Rating (Max)	2 A
Reverse Gender	Yes
Circular Connector Contact Type	Socket
Termination Features	
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Alignment	With
Connector Mounting Type	Panel Mount
Polarization Code	A
Mating Alignment Type	Keyed
Housing Features	
Circular Connector Shell Size	18
Usage Conditions	
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Circuit Application	Signal
Shielded	No
Industry Standards	
Compatible With Approved Standards Products	W



### **Packaging Features**

Packaging Quantity	20
--------------------	----

## **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: JUNE 2024 (241) SVHC > Threshold: Pb (4% 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**



09/18/2024 08:44PM | Page 3

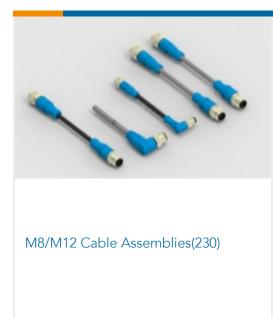


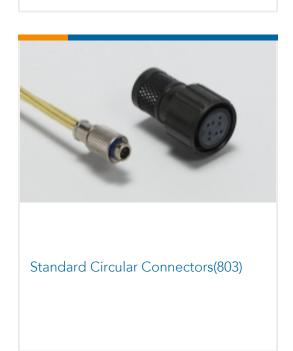
## Also in the Series M12 Connector





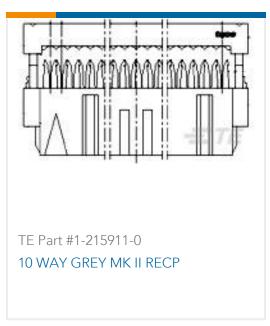






## Customers Also Bought















TE Part #3-1372371-5 **CUTTING PUNCH** 

## **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