# T4145435021-001 ACTIVE



#### M12 Connector

TE Internal #: T4145435021-001

Standard Circular Connectors, Wire-to-Board, 2 Position, Sealable,

Panel Mount, Nickel, Brass, B Polarization Code, Polyamide GF,

M12 Connector

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Connectors > Circular Connectors > Standard Circular Connectors > M12 Panel Mount PCB











Connector System: Wire-to-Board

Number of Positions: 2

Sealable: Yes

Connector Mounting Type: Panel Mount

Reverse Gender: No

All M12 Panel Mount PCB (111)

## **Features**

## **Product Type Features**

Product Type	Connector Assembly		
Accessory Color	Black		
Prewired	No		
Assembly Type	Electrical Connector		
Connector System	Wire-to-Board		
Sealable	Yes		
Circular Connector Type	Receptacle		
Shell Type	Metal		
Configuration Features			
Number of Positions	2		
Number of Power Positions	0		
Number of Signal Positions	2		



## **Body Features**

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

#### **Contact Features**

Reverse Gender	No
Circular Connector Contact Type	Socket

#### Mechanical Attachment

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

## **Housing Features**

Circular Connector Shell Size	12	
Circular Connector Shell Size	IΖ	

# **Usage Conditions**

IP Water Sealing Level	7
IP Dust Sealing Level	6
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]

# Operation/Application

Shielded	Yes
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# **Industry Standards**

UL Flammability Rating	UL 94HB	

# **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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (3.7% in Component Part)



Article	Safe	Heade	Statements
Alticle	Sale	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	Not Low Halogen - contains Br or Cl > 900
	ppm.

#### Solder Process Capability

Not applicable for solder process capability

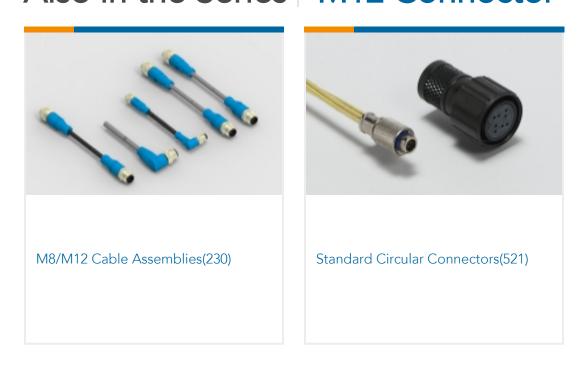
#### Product Compliance Disclaimer

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



# Also in the Series M12 Connector



# **Customers Also Bought**















### **Documents**

#### **Product Drawings**

M12 R/A F PNL STAMPED PIN B-CODE 2P SHLD

English

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_T4145435021-001\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_T4145435021-001\_B.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_T4145435021-001\_B.2d\_dxf.zip

English

3D PDF

3D

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

M8 / M12 Connector System Catalog

Japanese

## **Product Specifications**

**Application Specification** 

English

Standard Circular Connectors, Wire-to-Board, 2 Position, Sealable, Panel Mount, Nickel, Brass, B Polarization Code, Polyamide GF, M12 Connector



## **Instruction Sheets**

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English