

# 4-2172083-2

TE Internal #: 4-2172083-2  
TE Internal Description: M12.FMLE.PNLREAR.BCODE.5P.  
PCBSTAND.RA  
[View on TE.com >](#)



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Board**  
Connector Mounting Type: **Panel Mount**  
Number of Positions: **5**  
Sealable: **Yes**  
Contact Current Rating (Max): **4 A**

## Features

### Product Type Features

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

### Configuration Features

|                            |     |
|----------------------------|-----|
| Number of Positions        | 5   |
| Number of Power Positions  | 0   |
| Number of Signal Positions | 5   |
| 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)    | 4 A      |
| Reverse Gender                  | Yes      |
| Contact Layout Arrangement      | Circular |
| Circular Connector Contact Type | Socket   |

Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
| Polarization Code       | B           |
| Mating Alignment Type   | Keyed       |
| Mating Retention        | With        |

Housing Features

|                               |    |
|-------------------------------|----|
| Circular Connector Shell Size | 12 |
|-------------------------------|----|

Usage Conditions

|                        |   |
|------------------------|---|
| IP Dust Sealing Level  | 6 |
| IP Water Sealing Level | 8 |

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
| Shielded            | No     |

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 2025 (250)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (4% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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 < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                                                                                                                                                                                                                                                                                                                             |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                                                                                                                                                                                                                                                                                                                   |



Product Compliance Disclaimer

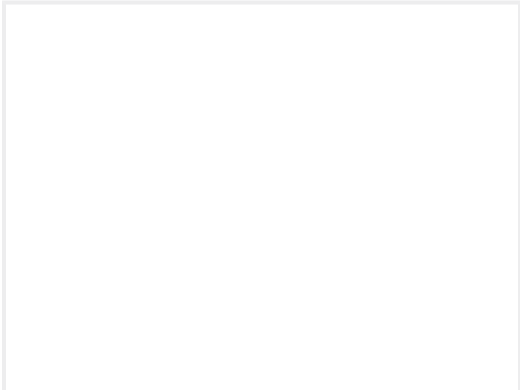
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # T4111402051-000  
[M12,MALE,STRAIGHT,B CODE,5P,PG9,GOLD](#)

Customers Also Bought



TE Part #358279-000  
[382C312-50-01-0](#)

TE Part #ZPF000000000007174  
[983-ORS 08-98 PN](#)TE Part #ZPF000000000001261  
[097-0267-16 A1267](#)TE Part #CAT-HST-BSTS  
[BSTS/BSTS-FR Heat Shrink Tubing](#)TE Part #1616058-6  
[A703CD \(FAA/PMA\)=RELAY](#)TE Part #1617147-5  
[JMGAP-26P = M39016/17-030P](#)TE Part #1617807-5  
[FC-335-SY8= RELAY, 3PST](#)TE Part #YDTS20Y13-98XNV001  
[HERM RECP](#)

Documents

Product Drawings

[M12.FMLE.PNLREAR.BCODE.5P.PCBSTAND.RA](#)

English

CAD Files



3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_4-2172083-2\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-2172083-2\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_4-2172083-2\_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

Japanese

M8 / M12 Connector System Catalog

English

Product Specifications

Application Specification

English