

M8 Connector

TE Internal #: 2-2172089-2

Standard Circular Connectors, Wire-to-Panel, 3 Position, Sealable, Wire & Cable, Signal, Panel Mount, Reverse Gender, Nickel, Zinc Alloy, M8 Connector

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Connectors > Circular Connectors > Standard Circular Connectors

Connector System: **Wire-to-Panel**Connector Mounting Type: **Panel Mount**Number of Positions: **3**Sealable: **Yes**Connector & Contact Terminates To: **Wire & Cable****Features****Product Type Features**

| | |
|-----------------------------------|----------------------|
| 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

| | |
|---------------------------|---|
| Number of Positions | 3 |
| Number of Power Positions | 0 |

| | |
|----------------------------|---|
| Number of Signal Positions | 3 |
|----------------------------|---|

| | |
|--------------------|-----|
| Contacts Preloaded | Yes |
|--------------------|-----|

Electrical Characteristics

| | |
|---|-----------|
| EMI & RFI Protection & Suppression Type | Shielding |
|---|-----------|

Body Features

| | |
|------------------------|--------|
| Shell Plating Material | Nickel |
|------------------------|--------|

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|---------------------|------------|
| Shell Base Material | Zinc Alloy |
|---------------------|------------|

| | |
|---|-----------|
| Circular Connector Insulation Material Type | Polyamide |
|---|-----------|

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|---------------------|-----|
| Hermetically Sealed | Yes |
|---------------------|-----|

Contact Features

| | |
|------------------------------|-----|
| Contact Current Rating (Max) | 3 A |
|------------------------------|-----|

| | |
|----------------|-----|
| Reverse Gender | Yes |
|----------------|-----|

| | |
|---------------------------------|--------|
| Circular Connector Contact Type | Socket |
|---------------------------------|--------|

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Panel Mount |
|-------------------------|-------------|

| | |
|-------------------|---|
| Polarization Code | A |
|-------------------|---|

| | |
|-----------------------|-------|
| Mating Alignment Type | Keyed |
|-----------------------|-------|

Housing Features

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

Usage Conditions

| | |
|------------------------|---|
| IP Water Sealing Level | 7 |
|------------------------|---|

| | |
|-----------------------|---|
| IP Dust Sealing Level | 6 |
|-----------------------|---|

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 - 85 °C [-40 - 185 °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 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: JAN 2024

(240)

Candidate List Declared Against: JAN 2024

(240)

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



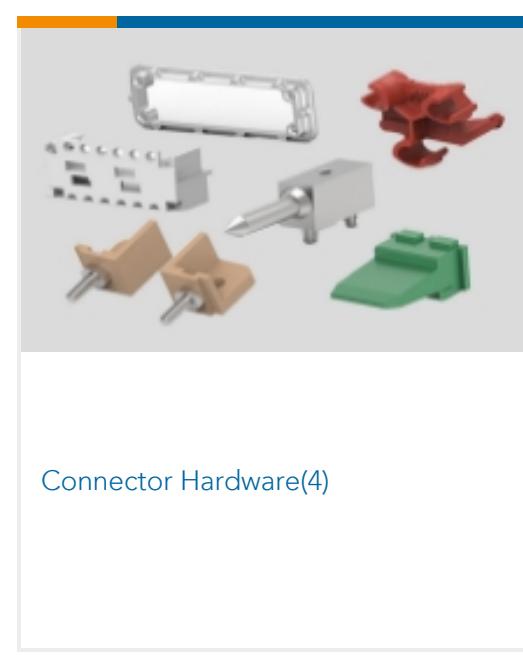
TE Part # T4011019031-000

M8,SCREW, MALE,S,SHIELD,3P,GOLD

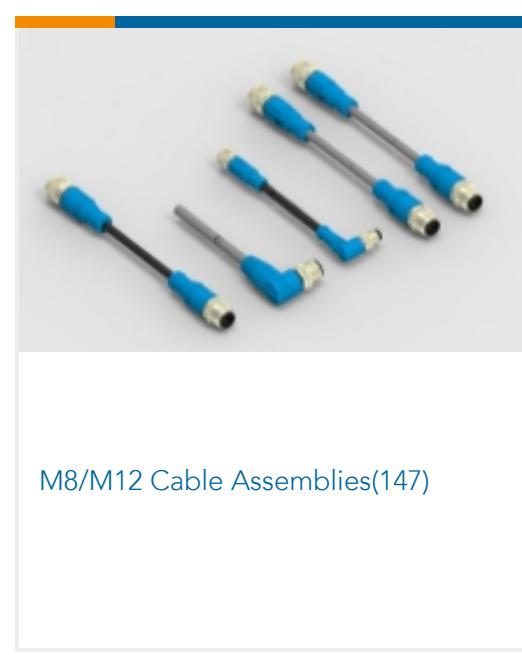
Also in the Series | M8 Connector



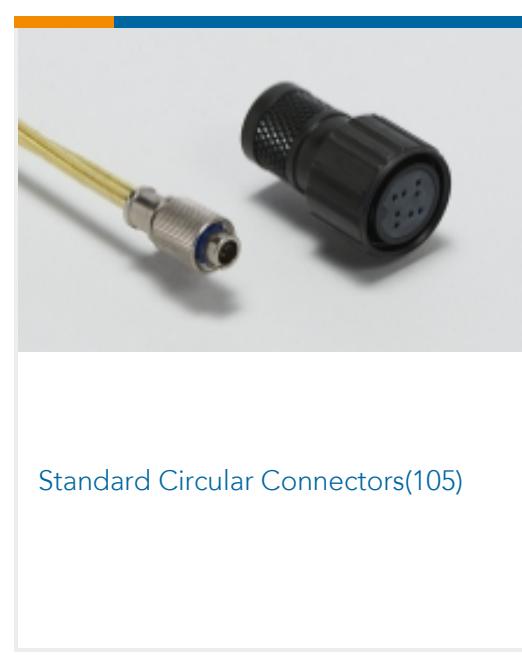
Connector Caps & Covers(5)



Connector Hardware(4)



M8/M12 Cable Assemblies(147)



Standard Circular Connectors(105)

Customers Also Bought



TE Part # 292206-4
MINI CT SGL DIP H 4P NAT



TE Part # 3-106507-2
25P.HDP20 REC.ASSY.



TE Part # 1-2176057-7
RLP73M 3A R047 1% 1K RL



TE Part # T4040014031-000
M8 Panel Mount PCB



TE Part # 5536052-5
ASSY,PIN,EUROCARD,TYPE B,LEAD-T



TE Part # 5650861-5
ASSEMBLY,RECEPTACLE,EUROCARD,T



TE Part # 7-2176401-1
3540 1R0 5%



TE Part # 7-2176401-2
3540 1R2 5%



TE Part # 5-2176421-3
TLRP 2512 2.0W R020 1% 50PPM 4K RL

Documents

Product Drawings

[M8.FMLE.PNLREAR.3POS.STR.PCBSTND.SHLD](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-2172089-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2172089-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2172089-2_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

[Application Specification](#)

English