



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Wire**  
Number of Positions: **6**  
Sealable: **Yes**  
Connector & Contact Terminates To: **Wire & Cable**  
Contact Current Rating (Max): **5 A**

Features

Product Type Features

|                                   |                         |
|-----------------------------------|-------------------------|
| Connector System                  | Wire-to-Wire            |
| Sealable                          | Yes                     |
| Connector & Contact Terminates To | Wire & Cable            |
| Circular Connector Type           | Receptacle              |
| Shell Type                        | Round Flange Receptacle |
| Connector Product Type            | Connector Kit           |
| Assembly Type                     | Electrical Connector    |
| Prewired                          | No                      |

Configuration Features

|                                       |         |
|---------------------------------------|---------|
| Number of Positions                   | 6       |
| Number of Power Positions             | 0       |
| Number of Signal Positions            | 6       |
| Contacts Preloaded                    | No      |
| Keying & Polarized Position Locations | Normal  |
| Factory Installed Backshell           | Without |

Contact Features

|                              |     |
|------------------------------|-----|
| Contact Current Rating (Max) | 5 A |
|------------------------------|-----|



|                                 |        |
|---------------------------------|--------|
| Reverse Gender                  | No     |
| Circular Connector Contact Type | Socket |

Operation/Application

|                     |             |
|---------------------|-------------|
| Circuit Application | Signal      |
| Shielded            | Yes         |
| Durability Rating   | 2000 Cycles |

Body Features

|                                             |                              |
|---------------------------------------------|------------------------------|
| Shell Plating Material                      | Black Zinc Nickel            |
| Shell Base Material                         | Aluminum 6061-T6             |
| Circular Connector Insulation Material Type | LCP (Liquid Crystal Polymer) |
| Hermetically Sealed                         | No                           |
| Product Weight                              | 2.8 g[.096 oz]               |
| O-Ring Material                             | Fluorosilicone               |
| Positive Stop Ferrule                       | Without                      |
| Entry Style                                 | Rear Insertion               |
| Environmental Protection                    | With                         |
| Shield Rating                               | 100 - 10000 MHz              |
| Environmental Protection Type               | Elastomer Sealed             |
| Primary Product Color                       | Black                        |
| Peripheral Seal Material                    | Fluorosilicone Elastomer     |
| Fluid Type                                  | None                         |
| Feedthrough Type                            | No                           |

Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Wire Size                            | 22 – 24 AWG                  |
| Compatible Insulation Diameter Range | .76 – 1.37 mm[.03 – .054 in] |

Housing Features

|                               |                 |
|-------------------------------|-----------------|
| Circular Connector Shell Size | 6               |
| Alignment Keyed               | Insert Clocking |

Mechanical Attachment

|                       |         |
|-----------------------|---------|
| Mating Alignment Type | Keyed   |
| Mating Retention      | With    |
| Panel Mount Feature   | Without |



|                          |                        |
|--------------------------|------------------------|
| Mating Retention Type    | Push-Pull Self-Locking |
| PCB Mount Retention      | Without                |
| Panel Mount Feature Type | Round Flange           |
| Mating Alignment         | With                   |
| PCB Mount Alignment      | Without                |

Usage Conditions

|                             |                          |
|-----------------------------|--------------------------|
| Operating Temperature Range | -10 – 70 °C[14 – 158 °F] |
| IP Dust Sealing Level       | 5                        |
| Fluid Resistance            | Immersion                |

Other

|                            |                           |
|----------------------------|---------------------------|
| EU RoHS Compliance         | Compliant with Exemptions |
| EU ELV Compliance          | Compliant                 |
| Field Serviceable          | No                        |
| Position Locations Omitted | All                       |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |   |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

Product Compliance

For compliance documentation, visit the product page on TE.com>

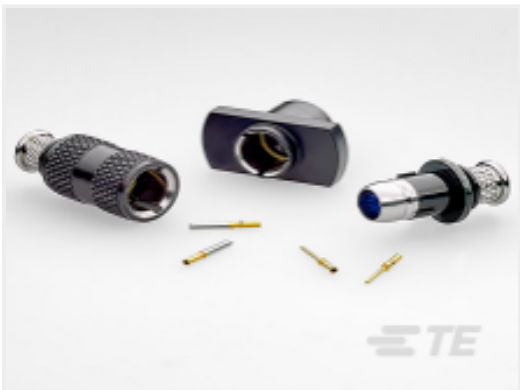
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 2024 (241)<br>Candidate List Declared Against: JAN 2024 (240)<br>SVHC > Threshold:<br>Pb (.6% in CONTACT)<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 Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free                                                                                                                                                                                                                                                                                                                            |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                          |



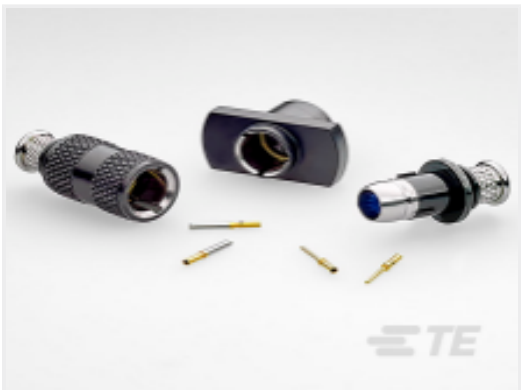
Product Compliance Disclaimer

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>

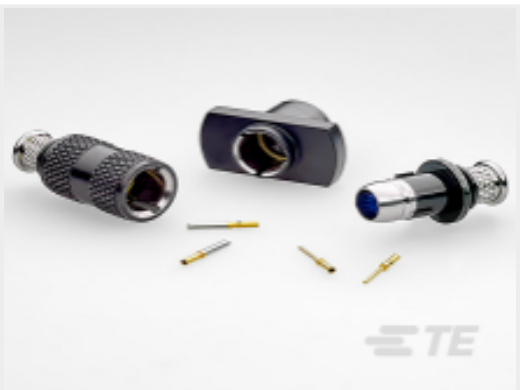
Compatible Parts



TE Part # 2226910-1  
NETT WARRIOR PLUG ASSEMBLY



TE Part # 2226910-2  
NETT WARRIOR PLUG



TE Part # 2226913-1  
CONTACT, PIN, CRIMPED, SIZE 23

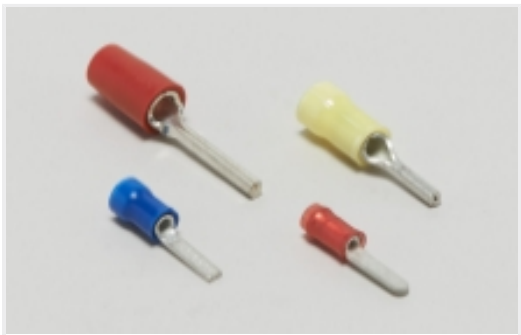


TE Part # 2101550-1  
PLUG, 7 POS, Sz103, w/SOLDER CUPS, 140 POT

Also in the Series | O.C.H. Micro Circular Connectors



Connector Contacts(2)



Crimp Wire Pins, Tabs & Ferrules(1)



Standard Circular Connectors(6)

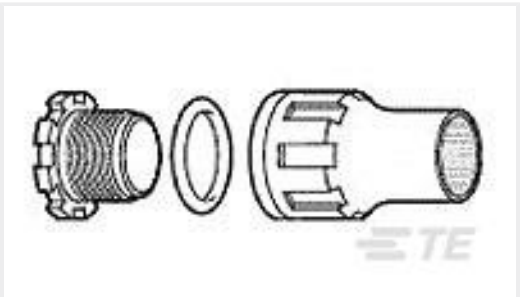
Customers Also Bought



TE Part #1616050-7  
DHL31=RELAY



TE Part #NB17264001  
RP-4800-NO.10-0-SP

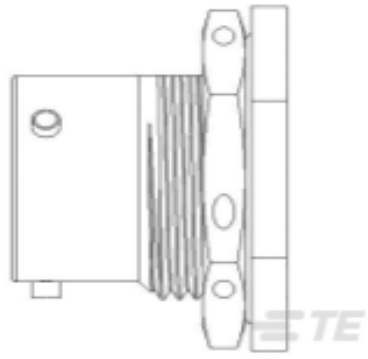


TE Part #912229-001  
CES-3



TE Part #127429-000  
SO63-5-9030





TE Part #YDL64H-18-31PNV001  
[HERM RECP](#)

TE Part #2-1393139-8  
[MDR-4069=MDR](#)

TE Part #4-1393139-4  
[MDR-4104=MDR](#)



TE Part #453757-000  
[LNCL-15-185-GK](#)

Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2226920-1\\_S.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2226920-1\\_S.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2226920-1\\_S.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Product Specification

English