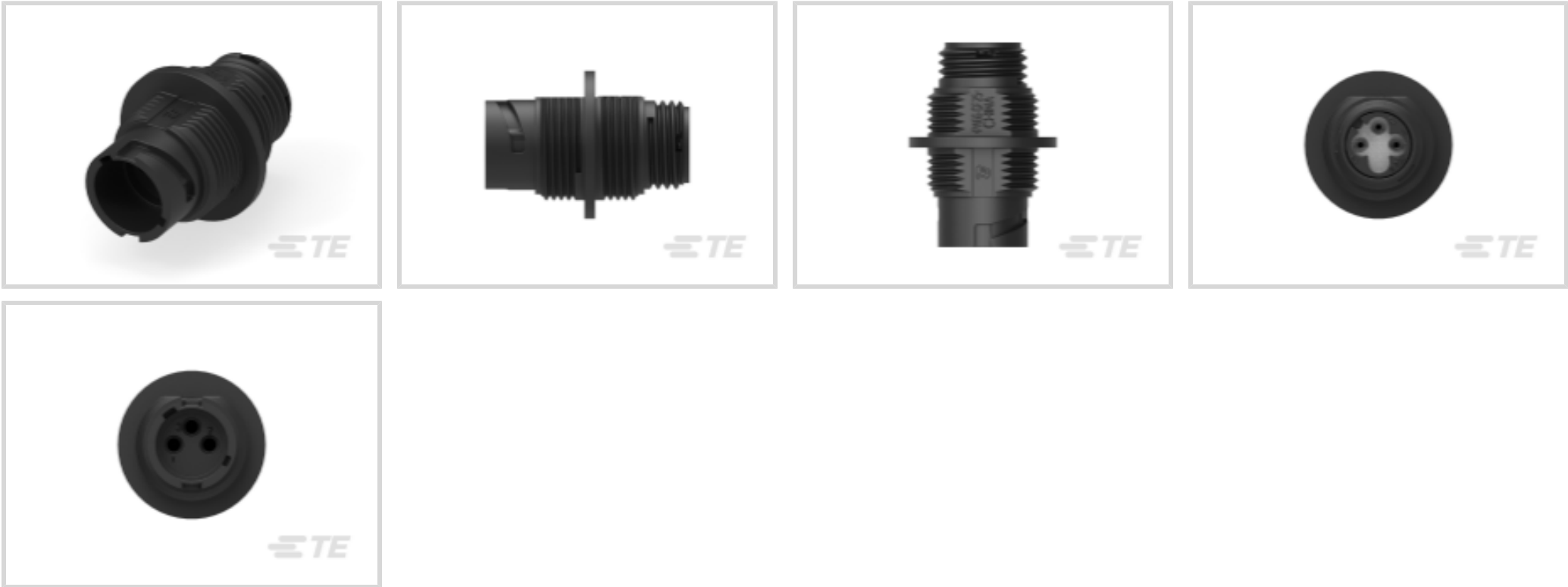




Connectors > Power Connectors > Circular Power > Circular Power Connectors



Number of Positions: 3  
Connector Product Type: **Housing**  
Operating Voltage: 250 VDC  
Wire Size: .0509 – .823 mm<sup>2</sup>

Features

Packaging Features

|                    |        |
|--------------------|--------|
| Packaging Quantity | 100    |
| Packaging Method   | Carton |

Mechanical Attachment

|                         |                                  |
|-------------------------|----------------------------------|
| Mating Retention Type   | Threaded Coupling                |
| Thread Size             | 5/8-24 UNEF-2A and 1/2-20 UNF-2A |
| Mating Alignment        | With                             |
| Connector Mounting Type | Panel Mount                      |
| Mating Retention        | With                             |
| Panel Mount Feature     | With                             |

Dimensions

|                                      |                              |
|--------------------------------------|------------------------------|
| Compatible Insulation Diameter Range | 1.5 – 2.39 mm[.059 – .11 in] |
| Wire Size                            | .0509 – .823 mm <sup>2</sup> |

Product Type Features

|                            |                             |
|----------------------------|-----------------------------|
| Connector Seal & Plug Type | Peripheral, Wire Entry Seal |
|----------------------------|-----------------------------|



|                                   |              |
|-----------------------------------|--------------|
| Connector Product Type            | Housing      |
| Connector System                  | Wire-to-Wire |
| Sealable                          | Yes          |
| Connector & Contact Terminates To | Wire & Cable |
| Connector & Housing Type          | Receptacle   |
| Circular Connector Shell Type     | All Plastic  |

Configuration Features

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

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Contact Features

|                              |       |
|------------------------------|-------|
| Reverse Gender               | No    |
| Contact Type                 | Pin   |
| Contact Current Rating (Max) | 7.5 A |

Termination Features

|                                    |       |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Housing Features

|                               |               |
|-------------------------------|---------------|
| Housing Color                 | Black         |
| Housing Material              | Thermoplastic |
| Circular Connector Shell Size | 8             |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
| Fluid Resistance            | Immersion                  |

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
| Shielded            | No             |

Industry Standards

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

Other

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



|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

Product Compliance

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

|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                      |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                      |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No 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>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                 |
| 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

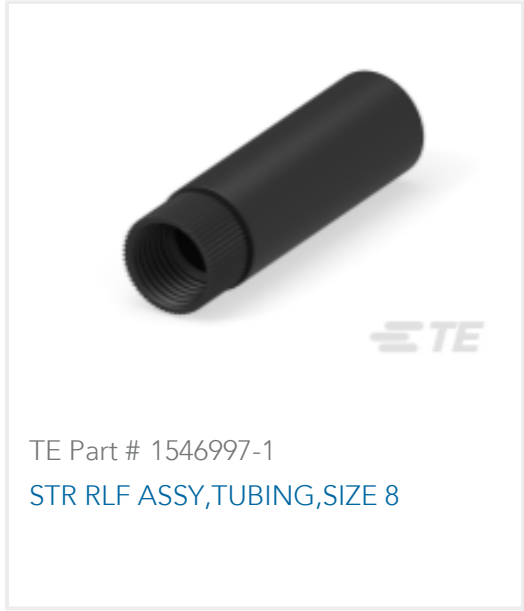




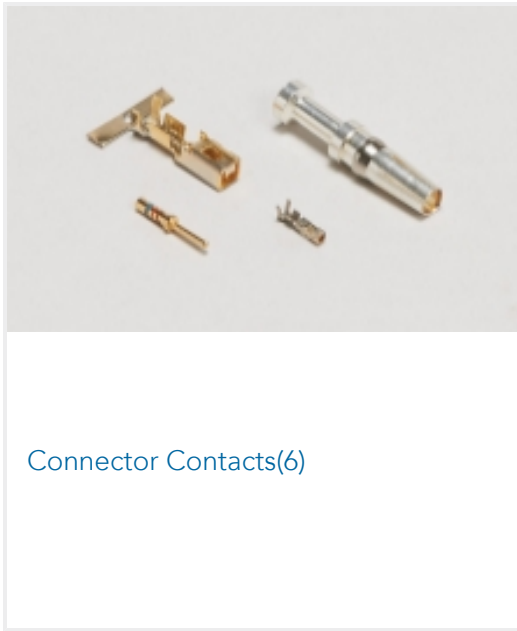
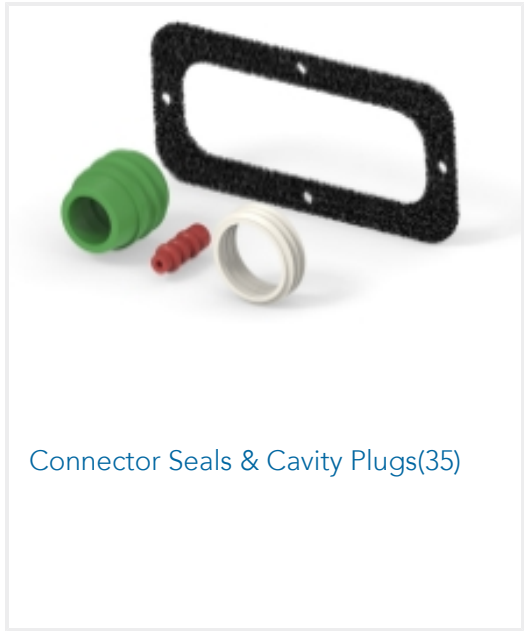






|                                                                                     |                                                                                      |                                                                                       |                                      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

Also in the Series | AMP CPC

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



Connector Strain Relief(60)

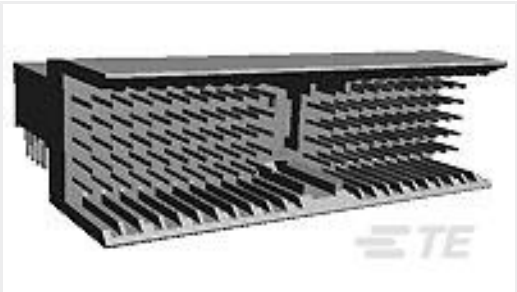


Insertion & Extraction Tools(1)



Power Contacts(6)

Customers Also Bought



TE Part #5106014-1  
Z-PACK/B RAMH.125P.



TE Part #6609044-4  
20VW1=F7257 S0



TE Part #2-6609104-9  
PE0S0DSXB=C1302



TE Part #211103-1  
CPC RECPT ASSEMBLY 17-14



TE Part #1888371-1  
MJ,2X1RJ45+2USB,BLACK,NOLEDS



TE Part #1445538-3  
REC,8-2,FLNG MT,LG INS,STD KEY



TE Part #1-2213767-5  
AV19 SPM 3A MOVE RING LED GREEN 24V



TE Part #2-2213767-3  
AV19 SPL 3A MOVE RING LED WHITE 24V



TE Part #877541-000  
44AM1141-24-MST4-9CS2275



TE Part #ANT-LTE-WS-SMA  
Antenna Blade NBIOT LTE-M Swivel SMA

Documents

Product Drawings

REC,8-3,FLNG MT,LG INS,STD KEY

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1445537-3\_B1.2d\_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1445537-3\\_B1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1445537-3\\_B1.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[1-1773902-9\\_CPC\\_Catalog](#)

English

[1-1773902-9\\_CPC\\_Catalog](#)

[1-1773902-9\\_CPC\\_Catalog](#)

German

[1-1773902-9\\_CPC\\_Catalog](#)

Japanese

[AMP Circular Connectors for Commercial Signal & Power Applications Continued](#)

English

Product Specifications

[Application Specification](#)

English