



TE Internal #: 2016694-2  
 RF Cable Assemblies, SMA Bulkhead Jack, FEP, Cable Assembly  
 Length .33 ft [.1 m], Black, Operating Temperature Range -45 – 85 °  
 C [-49 – 185 °F]

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Cable Assemblies > RF Cable Assemblies



RF Cable Assembly Connector Type (End A): **SMA Bulkhead Jack**

Jacket Material: **FEP**

Cable Assembly Length: **.1 m [.33 ft]**

RF Cable Assembly Color: **Black**

Operating Temperature Range: **-45 – 85 °C [-49 – 185 °F]**

## Features

### Product Type Features

|                                          |                            |
|------------------------------------------|----------------------------|
| Shrink Tubing                            | With                       |
| Coaxial Cable Type                       | OD 1.37 mm                 |
| Product Designation                      | Ultra-miniature            |
| Product Type                             | Cable Assembly             |
| RF Connector Type                        | SMA                        |
| RF Cable Assembly Connector Type (End A) | SMA Bulkhead Jack          |
| RF Cable Assembly Connector Type (End B) | UMCC Plug                  |
| RF Cable Assembly Type                   | Bulkhead Jack to UMCC Plug |

### Configuration Features

|                              |         |
|------------------------------|---------|
| Number of Positions          | Coaxial |
| Number of Connectorized Ends | 2       |

### Electrical Characteristics

|                       |        |
|-----------------------|--------|
| Insulation Resistance | 300 MΩ |
| Voltage               | 15 V   |



|                     |      |
|---------------------|------|
| Connector Impedance | 50 Ω |
|---------------------|------|

|           |      |
|-----------|------|
| Impedance | 50 Ω |
|-----------|------|

### Signal Characteristics

|                         |     |
|-------------------------|-----|
| Velocity of Propagation | 70% |
|-------------------------|-----|

|           |            |
|-----------|------------|
| Frequency | DC – 6 GHz |
|-----------|------------|

### Body Features

|                    |        |
|--------------------|--------|
| Conductor Material | Copper |
|--------------------|--------|

|              |      |
|--------------|------|
| Body Plating | Gold |
|--------------|------|

|                  |       |
|------------------|-------|
| Ferrule Material | Brass |
|------------------|-------|

|                            |      |
|----------------------------|------|
| Conductor Plating Material | Gold |
|----------------------------|------|

|                 |     |
|-----------------|-----|
| Jacket Material | FEP |
|-----------------|-----|

|                         |       |
|-------------------------|-------|
| RF Cable Assembly Color | Black |
|-------------------------|-------|

### Dimensions

|           |        |
|-----------|--------|
| Wire Size | 32 AWG |
|-----------|--------|

|                                                  |                   |
|--------------------------------------------------|-------------------|
| RF Cable Assembly Overall Outside Cable Diameter | 1.13 mm [.044 in] |
|--------------------------------------------------|-------------------|

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -45 – 85 °C [-49 – 185 °F] |
|-----------------------------|----------------------------|

### Other

|                     |     |
|---------------------|-----|
| Dielectric Material | FEP |
|---------------------|-----|

|                       |               |
|-----------------------|---------------|
| Cable Assembly Length | .1 m [.33 ft] |
|-----------------------|---------------|

### 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 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>SVHC > Threshold:<br>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 # 1050547-1  
2001 5032 00



TE Part # 1050525-1  
2001 5003 02,SMA CABLE PLUG



TE Part # 1050611-1  
2001 5443 02



TE Part # 1050770-1  
2001 7985 02,SMA CABLE PLUG



TE Part # 1050524-1  
2001 5003 00,SMA CABLE PLUG



TE Part # 1050542-1  
2001 5031 02



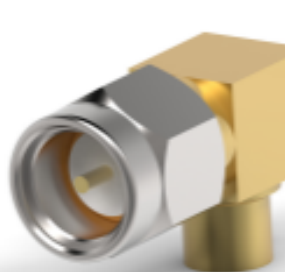
TE Part # 1050762-1  
2001 7943 00,SMA CABLE PLUG



TE Part # 1050769-1  
2001 7985 00,SMA CABLE PLUG



TE Part # 1051150-1  
2007 7941 00,SMA RA CABLE PLUG



TE Part # 1051151-1  
2007 7941 02,SMA RA CABLE PLUG



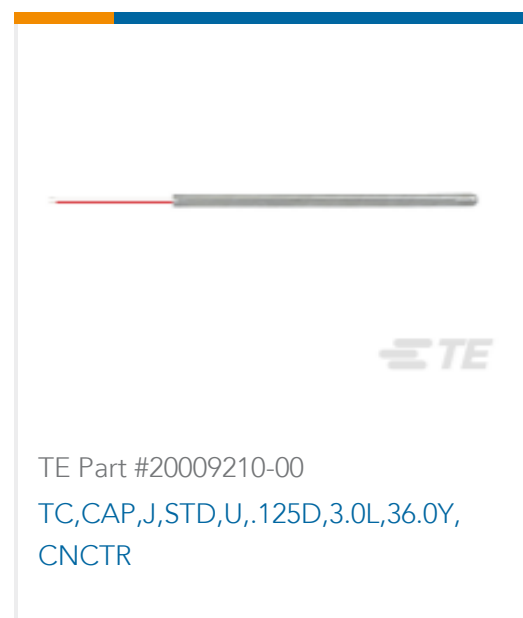
TE Part # 1051156-1  
2007 7985 00,SMA RA CABLE PLUG



TE Part # 1051643-1  
2031 5003 00



### Customers Also Bought



### Documents



## Product Drawings

[RF CA,SMA BULKHEAD TO UMCC IV,L100MM](#)

English

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## CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2016694-2\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2016694-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2016694-2\\_A.3d\\_stp.zip](#)

English

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## Product Specifications

English