



UMCC

TE Internal #: 1909763-1

UMCC RF Interface, Receptacle, 50 Ω, Push-On, 0 – 6 GHz
 Operating Frequency, Board-to-Component, 1 Position, Printed
 Circuit Board, Board Mount, UMCC

[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **UMCC**

RF Connector Style: **Receptacle**

RF Connector Mated Outer Diameter (Approximate): **2 mm [.078 in]**

Impedance: **50 Ω**

RF Connector Coupling Mechanism: **Push-On**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Connector Product Type | Connector Assembly |
| RF Interface | UMCC |
| RF Connector Style | Receptacle |
| Connector System | Board-to-Component |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|----------------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions | 1 |
| Number of Coaxial Contacts | 1 |

Electrical Characteristics

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

Body Features

| | |
|----------------------------|--------|
| Body Underplating Material | Nickel |
|----------------------------|--------|



| | |
|-----------------------------|--------------|
| Cable Connector Orientation | Straight |
| Body Material | Copper Alloy |
| Body Material Finish | Plated |
| Body Plating Material | Gold Flash |

Contact Features

| | |
|--|--------------|
| RF Connector Center Contact Plating Material | Gold |
| RF Connector Center Contact Material | Copper Alloy |

Termination Features

| | |
|---|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
| Termination Method to Wire & Cable | Crimp |

Mechanical Attachment

| | |
|---------------------------------|-------------|
| RF Connector Coupling Mechanism | Push-On |
| Connector Mounting Type | Board Mount |
| RF Contact Captivation Method | Snap-On |
| Detent | With |

Dimensions

| | |
|---|------------------|
| Profile Height from PCB | 1.25 mm[.049 in] |
| RF Connector Mated Outer Diameter (Approximate) | 2 mm[.078 in] |

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 90 °C[-40 – 194 °F] |
|-----------------------------|---------------------------|

Operation/Application

| | |
|---------------------|-----------|
| Operating Frequency | 0 – 6 GHz |
| Circuit Application | Signal |

Packaging Features

| | |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

Other

| | |
|---------------------|-----|
| Dielectric Material | LCP |
|---------------------|-----|

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Reflow solder capable to 260°C

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 # 2032440-1
C/A, UMCC TO SMA BHD JACK, 1.37 MM L200MM



TE Part # 2015699-1
RF CA,UMCC GEN1-GEN1,0.81MM CABLE,L100MM



TE Part # 2032439-1
RF CA,UMCC1 TO SMA PLUG,1.37 MM,L200MM



TE Part # 2016682-2
RF CA,UMCC1 TO SMA JACK,1.13MM, L100MM



TE Part # 2016682-4
RF CA,UMCC1 TO SMA JACK,1.13MM, L200MM



TE Part # 2016693-2
RF CA,UMCC1 TO RPSMA JACK,1.13 MM,L100MM



TE Part # 2016693-4
RF CA,UMCC1 TO RPSMA JACK,1.13 MM,L200MM



TE Part # 2118651-6
RF CA,UMCC GEN1-GEN1,1.13MM, L90MM,GREY




TE Part # 2015698-2
RF CA,UMCC GEN2-GEN2,0.81MM
CABLE,L100MM



TE Part # 2015698-3
RF CA,UMCC GEN2-GEN2,0.81MM
CABLE,L200MM



TE Part # 2015698-4
C/A, UMCC/UMCC, 0.80 OD CABLE,
50 MM



TE Part # 2015699-2
C/A, UMCC/UMCC, 0.80 OD CABLE,
200 MM



TE Part # 1-2016682-0
RF CA,SMA BK TO UMCC GEN1,1.13,
L1000MM



TE Part # 1-2016682-1
RF CA,SMA BK TO UMCC GEN1,1.13,
L254MM



TE Part # 1-2118651-0
RF CA,UMCC GEN1-GEN1,1.13MM
CABLE,L60MM



TE Part # 1-2118651-1
RF CA,UMCC GEN1-GEN1,1.13MM
CABLE,L509MM



TE Part # 2015698-1
C/A, UMCC/UMCC 0.80 OD CABLE,
39MM LONG



TE Part # 2015698-5
C/A, UMCC/UMCC, 0.80 OD CABLE,
140MM




TE Part # 2016677-3
RF CA,UMCC GEN2-GEN4,0.81,L50,
BLACK



TE Part # 2016677-4
RF CA,UMCC GEN2-GEN4,0.81,L80,
BLACK

Also in the Series | **UMCC**



Coax Connectors(3)



RF Cable Assemblies(7)

Customers Also Bought



TE Part #1558665-6
T9GS5L14-22



TE Part #1676210-2
RN 0805 182R 0.1% 10PPM 1KRL



TE Part #7-2176392-9
RQ 1206 866K 0.1% 10PPM 5K RL



TE Part #DRC13-70PD-B027
HDR, 70P, BLK, RA, M5, FLG, NI/CU, D



Documents

Product Drawings

UMCC MICRO-COAX RECPT GEN 1 HIGHER LEVEL

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1909763-1_B_c-1909763-1-b.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1909763-1_B_c-1909763-1-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1909763-1_B_c-1909763-1-b.3d_stp.zip](#)

English

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Product Specifications

English

English

Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

English