1909763-1 ✔ ACTIVE

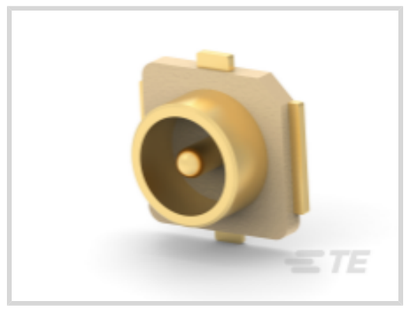
UMCC

TE Internal #: 1909763-1

UMCC GEN 1 Connector, Receptacle, 50 ohm, Push-On, 0 – 6 GHz, Board-to-Component, 1 Position, Printed Circuit Board, Board Mount, UMCC

View on TE.com >

Connectors > RF Connectors > Coax Connectors





RF Interface: **UMCC GEN 1**

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 GEN 1
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 (Au)
RF Connector Center Contact Material	Copper Alloy

Termination Features

Termination Method to PCB	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

Circuit Application	Signal
Operating Frequency	0 – 6 GHz

Packaging Features

Packaging Method	Reel

Other

Dielectric Material	LCP

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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 2016693-9
RF CA,RP-SMA BULKHEAD TO UMCC I,L500MM

TE Part # 2016682-7
RF CA,SMA BK TO UMCC GEN1,1.13, L350MM

TE Part # 2016691-7
RF CA,1.0-2.3 BULKHEAD TO UMCC I, L350MM

TE Part # 2016692-7
RF CA,TNC BULKHEAD TO UMCC I, L350MM

TE Part # 2016693-3
RF CA,RP-SMA BULKHEAD TO UMCC I,L150MM

TE Part # 2016691-5
RF CA,1.0-2.3 BULKHEAD TO UMCC I, L250MM

TE Part # 2016693-8
RF CA,RP-SMA BULKHEAD TO UMCC I,L450MM

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 # 2118651-9
RF CA,UMCC GEN1-GEN1,1.13,L250, BK

TE Part # 2016682-9
RF CA,SMA BK TO UMCC GEN1,1.13, L750MM

TE Part # 2016691-9
RF CA,1.0-2.3 BULKHEAD TO UMCC I, L500MM

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

TE Part # 2118651-4
CABLE ASSY MHF- MHF 1.13 CABLE

TE Part # 2195633-2
I-PEX 20278 WITH DIA 1.32MM L100MM BLACK

TE Part # 2118651-1
RF CA,UMCC GEN1-GEN1,1.13MM CABLE,L140MM

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

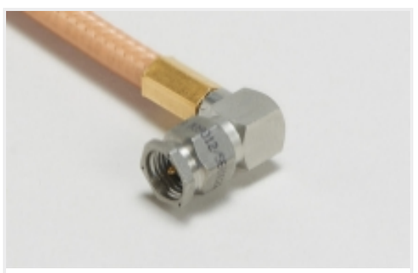
TE Part # 2016682-4
RF CA,UMCC1 TO SMA JACK,1.13MM, L200MM

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

TE Part # 2118651-8
RF CA,UMCC GEN1-GEN1,1.13MM CABLE,L200MM

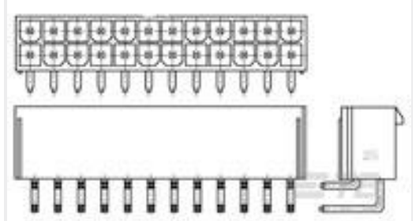
Also in the Series | UMCC

Coax Connectors(3)

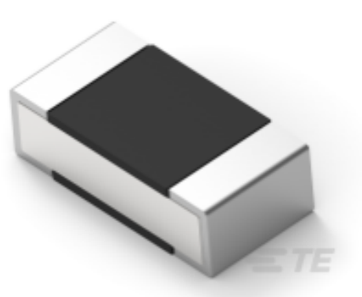


RF Cable Assemblies(7)

Customers Also Bought

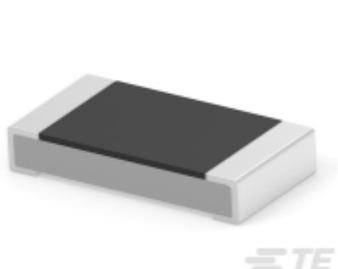


TE Part #1586863-8
8P VAL-U-LOK R/A HDR GW



TE Part #4-2176304-0
RP 1E 0.1W 25R5 0.1% 25PPM 5K RL

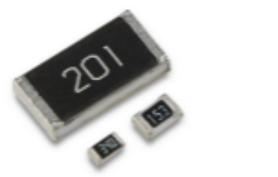
TE Part #5-1775443-7
EMIX CONN., 1.5MM PITCH, HDR, V /T, 7P



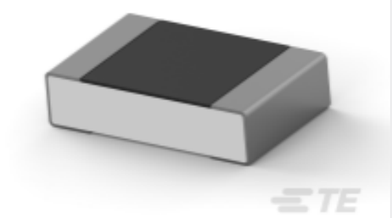
TE Part #3-2176392-5
RQ 1206 301K 0.1% 10PPM 5K RL

TE Part #1461078-5
OJ-SS-112HMF,000

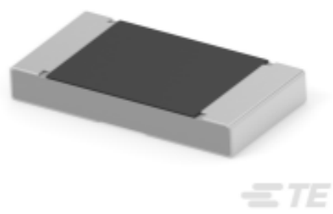
TE Part #3-1624113-5
3650 0805 27nH 5% 2K RL



TE Part #4-2176325-4
CRGP 0402 39K 1%



TE Part #6-2176374-8
RQ 0805 536R 0.1% 10PPM 1K RL



TE Part #2176528-7
3503G 2B 6K81 1% 5K RL

TE Part #G-ENS-002
ASSY SX-A TRIM SENDER 3-WIRE

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

Product Specifications

English

English