



UMCC

TE Internal #: 1909763-1

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

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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

RF Interface	UMCC GEN 1
RF Connector Style	Receptacle
Connector System	Board-to-Component
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Dimensions

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

Electrical Characteristics

Impedance	50 Ω
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Mechanical Attachment

RF Connector Coupling Mechanism	Push-On
Connector Mounting Type	Board Mount



RF Contact Captivation Method	Snap-On
Detent	With

Operation/Application

Operating Frequency	0 – 6 GHz
Circuit Application	Signal

Configuration Features

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

Usage Conditions

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

Termination Method to Wire & Cable	Crimp
Termination Method to PCB	Surface Mount

Body Features

Cable Connector Orientation	Straight
Body Material	Copper Alloy
Body Material Finish	Plated
Body Plating Material	Gold Flash
Body Underplating Material	Nickel

Contact Features

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

Other

Dielectric Material	LCP
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Packaging Features

Packaging Method	Reel
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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) Candidate List Declared Against: JUNE 2024 (241) 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 #1415899-5
RZ01-1A4-D024



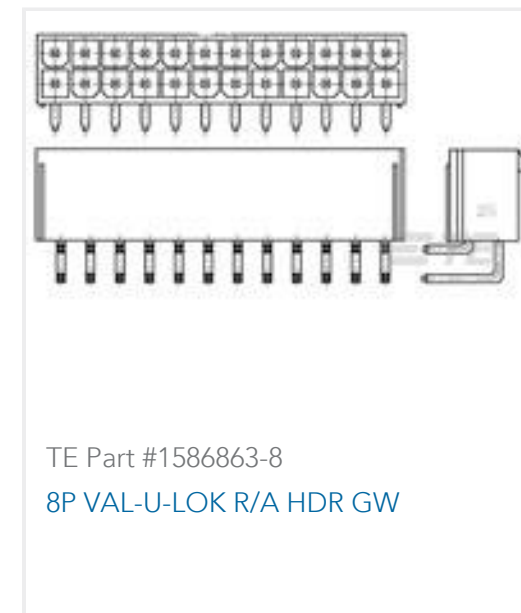
TE Part #2339729-1
CAP PIN ASSY, 4P, FLANGE, SEALED COAX



TE Part #5557314-1
MJ,LPF,R/A,6P/6C,SMT,TRAY PACK



TE Part #2118909-4
PCB Ant, MHF4L, 115.8mm, Wi-Fi 6E Triple



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