



Antennas



Wireless Application: 5G, Bluetooth, Cat-M/NB-IoT, Cellular, GNSS, ISM, LoRaWAN, Wi-Fi

Mounting Location: External

Mounting Type: Panel

Antenna Termination: SMA

Antenna Type: Terminal/Duck

Features

Product Type Features

Antenna Termination	SMA
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Configuration Features

Antenna Style	Enclosure
Mounting Location	External
Antenna Type	Terminal/Duck
Band Type	Multi Band

Electrical Characteristics

Antenna Operation	Passive
VSWR (Max)	<3.7:1
Impedance	50 Ω

Signal Characteristics

Gain (Max)	4.5 dB
Frequency Band	617 – 960 MHz, 1427 – 1661 MHz, 1710 – 2700 MHz, 3300 – 4200 MHz, 4400 – 5000 MHz, 5150 – 5925 MHz
Nominal Frequency Range	617 – 6000



Peak Gain	3 < 6 dBi
Body Features	
Product Weight	13 g[.564 oz]
Mechanical Attachment	
Polarization	Linear
Mounting Type	Panel
Dimensions	
Product Width	20 mm[.787 in]
Product Length	135.8 mm[5.346 in]
Product Height	20 mm[.787 in]
Operation/Application	
Antenna Environment	Indoor
Wireless Standard	802.11 a/b/g/n, WiMAX, Bluetooth & ZigBee, 802.11 b/g, Bluetooth & ZigBee, EU Cellular, EU Dual Band, LTE, UMTS, US Dual, EU Triband & WCDMA, US Cellular & ZigBee EU, US Dual & EU Dual & WCDMA, US Dual & EU Dual Band, US Dual Band
Directionality	Omnidirectional
Industry Standards	
Wireless Application	5G, Bluetooth, Cat-M/NB-IoT, Cellular, GNSS, ISM, LoRaWAN, Wi-Fi
Primary Application	5G, Cellular, Wi-Fi
Product Availability	
Applicable Region	Global
Packaging Features	
Packaging Method	Bag & Box
Other	
Precision Level	Standard
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






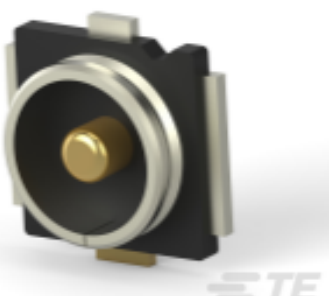
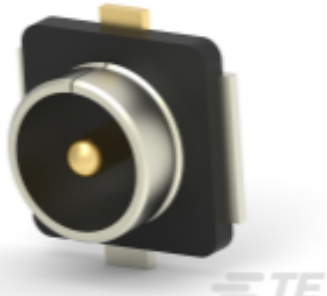



China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 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>

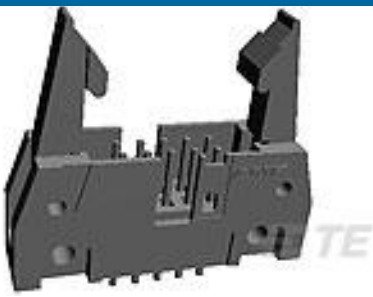

Compatible Parts

 <p>TE Part # 2032440-1 C/A, UMCC TO SMA BHD JACK, 1.37 MM L200MM</p>	 <p>TE Part # 2016682-2 RF CA,UMCC1 TO SMA JACK,1.13MM, L100MM</p>	 <p>TE Part # 2016682-4 RF CA,UMCC1 TO SMA JACK,1.13MM, L200MM</p>	 <p>TE Part # 2016694-2 RF CA,UMCC4 TO SMA JACK,1.13MM, L100MM</p>
 <p>TE Part # 2195889-1 Terminal Ant, 5G, SMA, 600-6000MHz</p>	 <p>TE Part # 2334884-1 UMCC Micro-Coax receptacle, Gen 4</p>	 <p>TE Part # 2337019-1 UMCC Micro-Coax receptacle, Gen 1</p>	 <p>TE Part # 2404600-3 RF CA,UMCC1 TO SMA JACK-WP,1.13 MM,L150MM</p>



 TE Part # 2410331-2 CA,UMCC4 TO SMA JACK WP,0.81 MM,L100MM	 TE Part # 2410331-4 CA,UMCC4 TO SMA JACK WP,0.81 MM,L200MM	 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 # 2016682-1 RF CA,SMA BK TO UMCC GEN1,1.13, L50MM	 TE Part # 2016682-3 RF CA,SMA BK TO UMCC GEN1,1.13, L150MM	 TE Part # 2016682-5 RF CA,SMA BK TO UMCC GEN1,1.13, L250MM	 TE Part # 2016682-6 RF CA,SMA BK TO UMCC GEN1,1.13, L300MM
 TE Part # 2016682-7 RF CA,SMA BK TO UMCC GEN1,1.13, L350MM	 TE Part # 2016682-8 RF CA,SMA BK TO UMCC GEN1,1.13, L500MM	 TE Part # 2016682-9 RF CA,SMA BK TO UMCC GEN1,1.13, L750MM	 TE Part # 2016694-1 RF CA,SMA BULKHEAD TO UMCC IV, L50MM

Customers Also Bought

 TE Part #5499922-4 A/L UNIV HDR 20P VERT LG LAT	 TE Part #3-641215-3 PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment
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Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2195889-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2195889-1_1.3d_igs.zip

English



Customer View Model

[ENG_CVM_CVM_2195889-1_1.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[External Ant, SMA, 600M-6GMHz](#)

English

Product Specifications

[Product specification for external Antenna applied](#)

English