2492481-1 ✔ ACTIVE

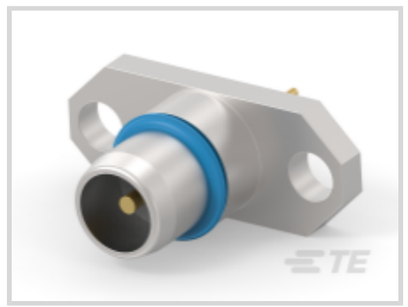
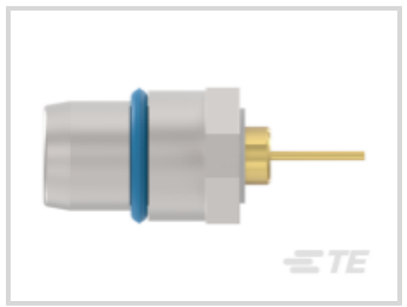
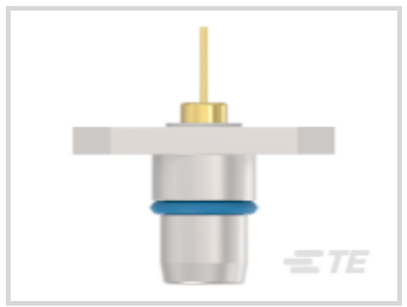
OSP/BMA Miniature Modular

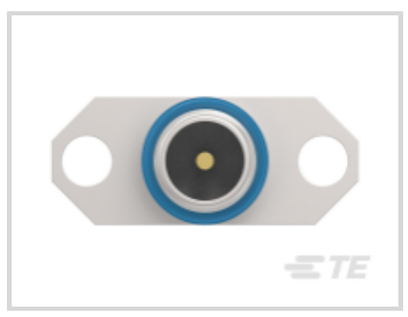
TE Internal #: 2492481-1

OSP/BMA Connector, Plug, 50 ohm, Snap-On, 18 GHz, Cable-to-Board, 1 Position, Sealable, Printed Circuit Board, Panel Mount, OSP/BMA Miniature Modular

View on TE.com >

Connectors > RF Connectors > Coax Connectors



RF Interface: **OSP/BMA**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **6.35 mm [.25 in]**

Impedance: **50 Ω**

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

Features

Product Type Features

Connector Seal & Plug Type	Hermetically Sealed
RF Interface	OSP/BMA
RF Connector Style	Plug
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω

Body Features

Body Material	Stainless Steel
Body Material Finish	Passivated

Contact Features

RF Connector Center Contact Plating Thickness	1.27 µm[50 µin]
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Beryllium Copper

Termination Features

Termination Method to Wire & Cable	Solder

Mechanical Attachment

RF Connector Coupling Mechanism	Snap-On
Connector Mounting Type	Panel Mount
RF Contact Captivation Method	Solder
Detent	With

Housing Features

Body Orientation	Straight

Dimensions

Product Length	9.52 mm[.37 in]
RF Connector Mated Outer Diameter (Approximate)	6.35 mm[.25 in]

Usage Conditions

Operating Temperature Range	-65 – 125 °C[-85 – 257 °F]

Operation/Application

Operating Frequency Range	18 GHz

Packaging Features

Packaging Method	Bag/Carton

Other

Grade	Telecom
Dielectric Material	Polytetrafluoroethylene (PTFE)

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	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted

	Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (4.35% 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 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 1081096-1
4502 5012 00

Also in the Series | OSP/BMA Miniature Modular

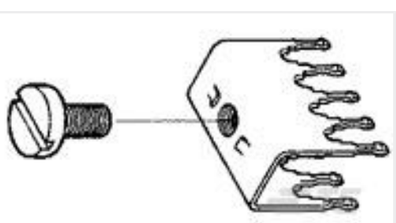


Coax Connectors(13)



OSP/BMA RF Connectors(13)

Customers Also Bought



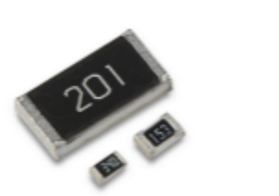
TE Part #1-55323-0
10 POWER TAP ASSY .125



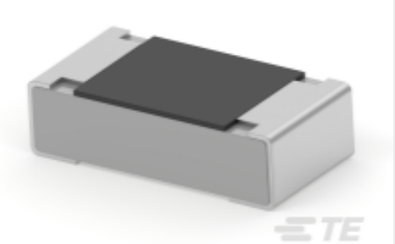
TE Part #1676427-2
RN 0805 75K 0.1% 10PPM 1KRL



TE Part #1879417-5
CPF0603 750K 0.1% 25PPM 5K RL



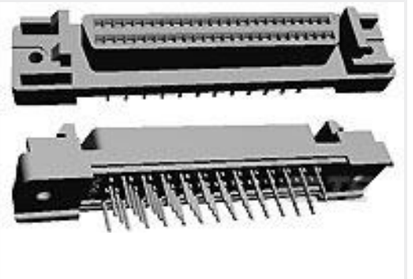
TE Part #2176325-7
CRGP 0402 33R 1%



TE Part #2176340-9
CRGCQ 0603 22R 5%



TE Part #2484784-1
SMP M Limited Detent Edge Mnt 1.6 mm PCB



TE Part #5749069-8
80 50SR VERT RCPT ASSY



TE Part #5749621-8
80 50S CABLE PLUG CONN/COV KIT



TE Part #5786554-9
100 50SR VRT RCPT,L,R,ACT PIN



TE Part #L9000173-01
Antenna GNSS L1L2L5 25x25 LNA 1.13 UFL

Documents

Product Drawings

BMA Plug Hermetic 2-Hole Flange EMI Gskt

English

CAD Files

Customer View Model

ENG_CVM_CVM_2492481-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2492481-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2492481-1_A.3d_stp.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

rf-connectors-product-refresh-phase-2

English

Product Specifications

Product Specification

English