



TE Internal #: 1253111-1
 RF Connectors, OSP RF Interface, Plug, RF Connector Mated Outer Diameter (Approximate) .3 in [7.62 mm], 50 Ω, Push-On, 18GHz Operating Frequency

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Connectors > RF Coax Connectors > RF Connectors



RF Interface: **OSP**
 RF Connector Style: **Plug**
 RF Connector Mated Outer Diameter (Approximate): **7.62 mm [.3 in]**
 Impedance: **50 Ω**
 RF Connector Coupling Mechanism: **Push-On**

Features

Product Type Features

RF Interface	OSP
RF Connector Style	Plug
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board
Connector Seal Type	O-Ring

Configuration Features

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

Electrical Characteristics

Impedance	50 Ω
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Body Features

Body Material	Stainless Steel
Body Plating Material	Gold

Contact Features

RF Connector Center Contact Underplating Material	Copper, Nickel
RF Connector Center Contact Plating Material	Gold



RF Connector Center Contact Material	Beryllium Copper
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post & Tail Length	.7 mm [.029 in]

Mechanical Attachment

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

Dimensions

RF Connector Mated Outer Diameter (Approximate)	7.62 mm [.3 in]
Height Above PC Board	8.7 mm [.343 in]

Usage Conditions

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

Operating Frequency	18 GHz
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Packaging Features

Packaging Method	Box
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Other

Dielectric Material	TFE Fluorocarbon
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Pin-in-Paste 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 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 # 1059541-1
4536 7388 02



TE Part # 1059551-1
4540 7388 02



TE Part # 1059540-1
4536 7341 02



TE Part # 1059412-1
4504 7985 00



TE Part # 1059440-1
4506 5056 02



TE Part # 1059452-1
4506 7685 02



TE Part # 1059410-1
4504 7941 00



TE Part # 1059456-1
4506 7985 02



TE Part # 1059467-1
4510 7985 00,OSP CABLE JACK



TE Part # 1059506-1
4522 7985 02



TE Part # 1046486-1
SCD,4506 5055 02,BMA



TE Part # 1057230-1
SCD,4522 5018 02,BMA



TE Part # 1059408-1
4504 7641 02



TE Part # 1059442-1
4506 5061 02



TE Part # 1059451-1
4506 7641 02



TE Part # 1059465-1
4510 7941 00,OSP CABLE JACK



TE Part # 1059499-1
4522 5027 02



TE Part # 1059503-1
4522 5031 02

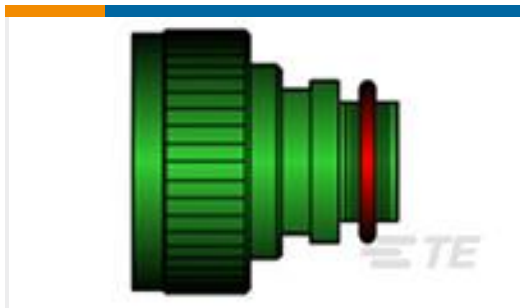


TE Part # 1059505-1
4522 7941 02



TE Part # 1059532-1
4536 5020 02

Customers Also Bought



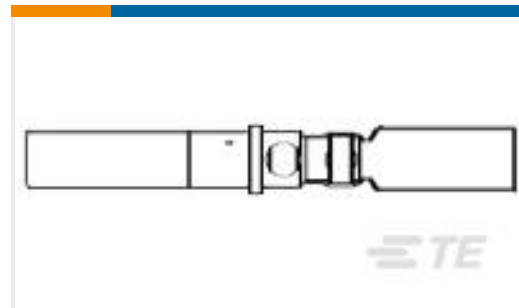
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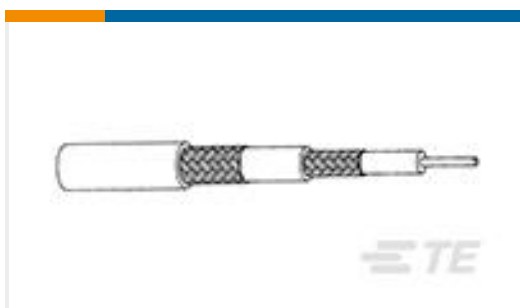
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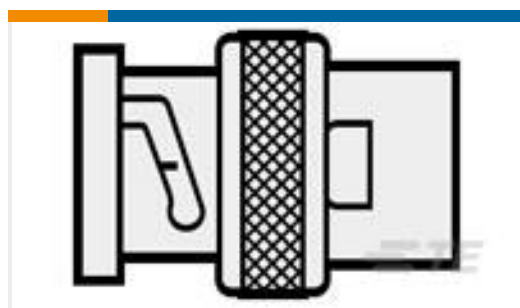
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TXR40AB00-1006AI



TE Part #507762-000
D-602-0145



TE Part #430079-000
7528A5314-0



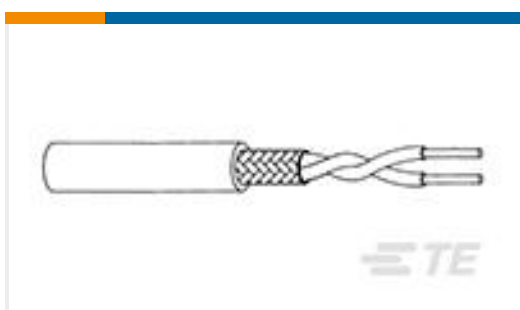
TE Part #918455-000
RBD-75-S-00



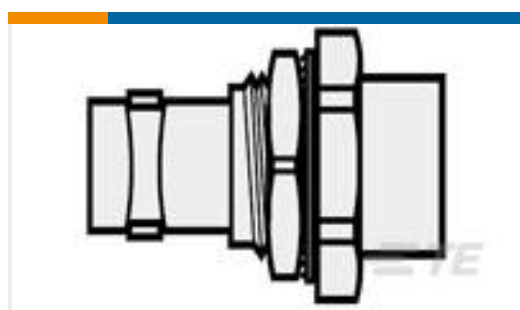
TE Part #385193-000
D-181-2224-90/9



TE Part #440063-007
7528A1317-0



TE Part #4451903001
0024A0311-0



TE Part #534583-000
RBD-75-M-02

Documents



Product Drawings

[4563 5004 00](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1253111-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1253111-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1253111-1_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Blind Mate Connectors](#)

English