



Connectors > RF Connectors > Coax Connectors



RF Interface: SMA

RF Connector Style: Plug

RF Connector Mated Outer Diameter (Approximate): 8.99 mm [.354 in]

Impedance: 50 Ω

Compatible With RF Cable Type: Belden 84142, RG 142, RG 142A, RG 142B, RG 400

Features

Product Type Features

Connector Seal & Plug Type	Interfacial Seal
Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	Belden 84142, RG 142, RG 142A, RG 142B, RG 400
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω
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Body Features

Cable Connector Orientation	Straight
Body Material	Stainless Steel
Body Material Finish	Passivated

Contact Features

Ferrule Plating Material	Tin-Lead
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Crimp Type	Hexagonal Crimping
RF Connector Contact Configuration	Not Captivated
RF Connector Center Contact Underplating Material	Nickel
Ferrule Material	Copper
RF Connector Center Contact Plating Material	Gold (Au)
RF Connector Center Contact Material	Brass

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical

Dimensions

Product Length	26.17 mm[1.03 in]
RF Connector Mated Outer Diameter (Approximate)	8.99 mm[.354 in]

Usage Conditions

Operating Temperature Range	-65 – 165 °C[-85 – 329 °F]
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Operation/Application

Operating Frequency	18 GHz
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Packaging Features

Packaging Method	Package
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Other

Grade	Military
Coupling Nut Base Material	Stainless Steel
Coupling Nut Plating Finish	Passivated
Military Category	B
Dielectric Material	PTFE

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (13% in 4690948374) 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 applicable for solder process capability

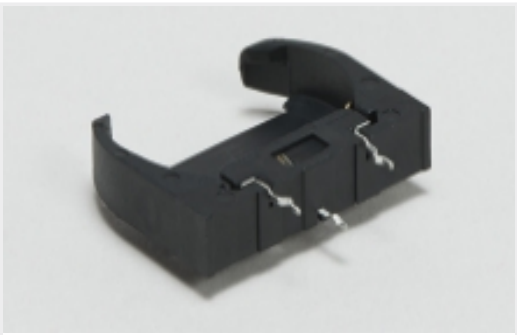
Product Compliance Disclaimer

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



Also in the Series | SMA



Battery Holders(1)



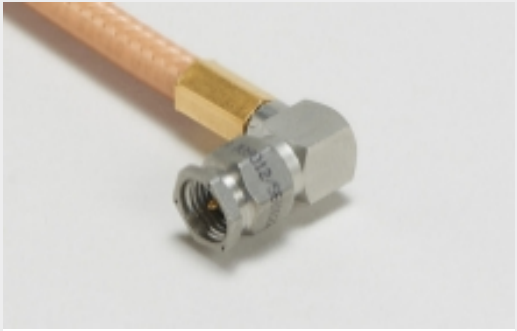
Connector Adapters & Connector Savers(8)



Connector Caps & Covers(3)



Connector Strain Relief(1)



RF Cable Assemblies(2)

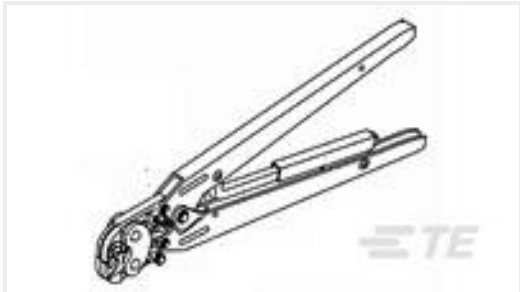
Customers Also Bought



TE Part #413779-3
COML BNC,50 OHM, HEX CRIMP



TE Part #5745988-6
09 MSFL RCPT RA 590 (SL,FM)



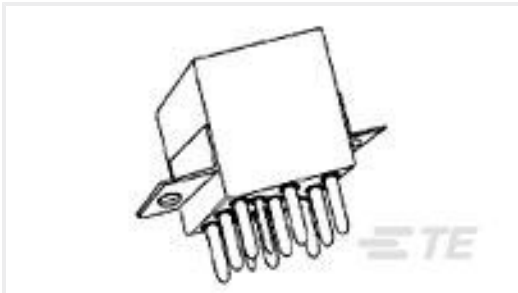
TE Part #220045-2
DAHT COAXICON RG141 C ASSY



TE Part #3-1617033-0
HFW1230K06M = M39016/6-105M



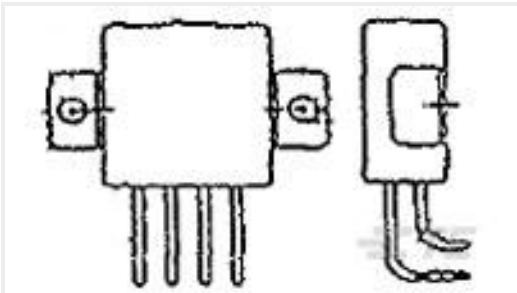
TE Part #202236-1
III+ PIN,SOLTAB,30AU,10AU FLASH,LP



TE Part #5-1617753-0
FCA-325-BZ4



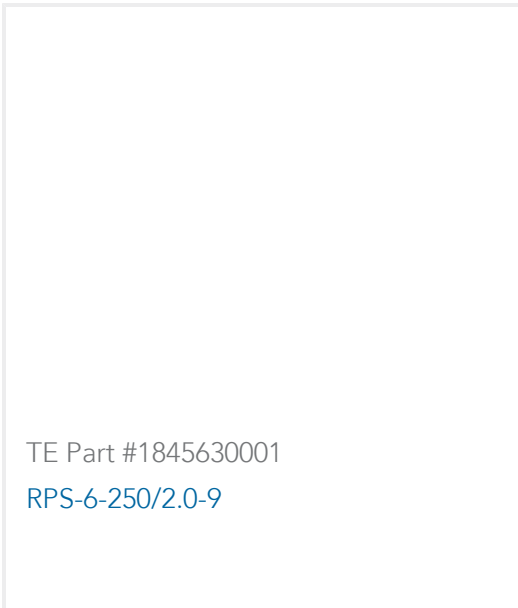
TE Part #CN9928-000
SBP100594WE1



TE Part #2-1617749-5
FCA-210-1027M=M83536/10-027M



TE Part #4602050003
RPS-1-400/2.0-9



TE Part #1845630001
RPS-6-250/2.0-9

Documents



Product Drawings

SMA PLUG FLEX

English

SMA PLUG FLEX

English

SMA PLUG FLEX

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_225532-3_AH.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_225532-3_AH.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_225532-3_AH.3d_stp.zip

English

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

Datasheets & Catalog Pages

DEUTSCH MIL-DTL-38999 CIRCULAR CONNECTORS

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English