

1052179-1 ✓ ACTIVE

[AMP](#) | [AMP SMA](#)

TE Internal #: 1052179-1

AMP SMA, RF Connectors, SMA RF Interface, Plug, RF Connector

Mated Outer Diameter (Approximate) .354 in [8.99 mm], 50 Ω

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[Connectors](#) > [RF Coax Connectors](#) > [RF 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: **RG 178, RG 196**

## Features

### Product Type Features

Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 178, RG 196
Connector & Contact Terminates To	Wire & Cable
Connector Seal Type	Interfacial Seal

### 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	Right Angle
Body Material	Stainless Steel
Body Material Finish	Plated
Body Plating Material	Gold

### Contact Features

RF Connector Center Contact Underplating Material	Nickel
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RF Connector Contact Configuration	Captivated Contacts
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Ferrule Material	Brass, Copper
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RF Connector Center Contact Plating Material	Gold
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RF Connector Center Contact Material	Brass
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### Termination Features

Termination Method to Wire & Cable	Solder
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### Mechanical Attachment

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

Product Length	16.9 mm [.665 in]
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RF Connector Mated Outer Diameter (Approximate)	8.99 mm [.354 in]
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### Usage Conditions

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

Operating Frequency	12.4 GHz
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### Packaging Features

Packaging Method	Package
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### Other

Gasket Material	Silicone Rubber
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Coupling Nut Base Material	Stainless Steel
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Military Category	A
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Dielectric Material	PTFE
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211)
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Candidate List Declared Against: JAN 2019 (197)  
 SVHC > Threshold:  
 Not Yet Reviewed

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 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 # 1053372-1  
 2062 8001 90,OSM JACK, QPL


### Also in the Series | AMP SMA




Battery Holders(1)



Between Series Adapters(3)



Coax Contacts(1)



Coax Terminators(1)



In-Series Adapters(35)



Rack &amp; Panel Ferrules &amp; Inserts(1)



RF Cable Assemblies(2)



RF Connector Hardware(2)



RF Connector Launchers(13)



RF Connector Shrouds(10)



RF Connectors(527)

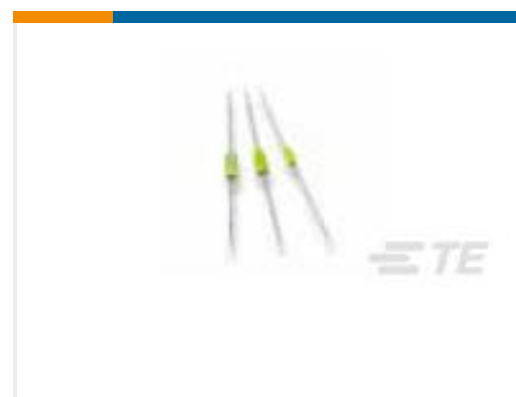
## Customers Also Bought



TE Part #2299056-1  
SFP+ 1X1 CAGE ASSEMBLY AND  
CONN, PRESS-F



TE Part #E31316-000  
Single Wall RT 770: Heat Shrink  
Tubing, 2:1 Shrink Ratio



TE Part #1623947-2  
SC10-10-0529-10 22UH AMMO 1000



TE Part #CR5322-000  
Convoluted Heat Shrink Uni Boots:  
Lipped, Straight



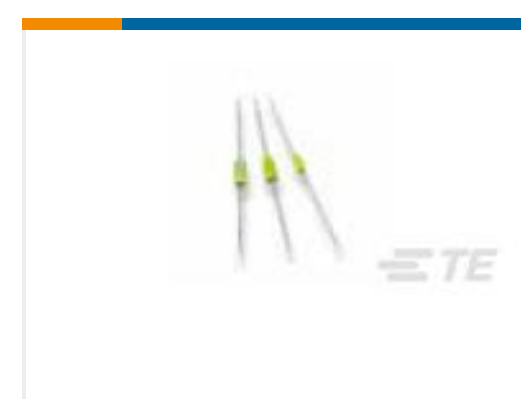
TE Part #745073-1  
D-Sub Plug Assembly: Vertical, Shell  
Size 3, 2.74mm



TE Part #745078-3  
D-Sub Receptacle Assembly: Vertical,  
Shell Size 3, 2.77mm



TE Part #1-1740196-5  
15P HD20 REC.HDR EUROSTYLE SMT



TE Part #1624047-3  
SC30-10-2504-10 0.18UH AMMO 1000

## Documents

### Product Drawings

2037 8106 92

English

### Datasheets & Catalog Pages

Products for Aerospace and Defense

English

### Instruction Sheets

1052179-1

AMP SMA, RF Connectors, SMA RF Interface, Plug, RF Connector Mated Outer  
Diameter (Approximate) .354 in [8.99 mm], 50  $\Omega$



[Instruction Sheet \(U.S.\)](#)

English