



Connectors > RF Coax Connectors > RF Connectors



RF Interface: **QMA**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **7.62 mm [ .3 in ]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 174/U, RG 188/U, RG 316/U**

## Features

### Product Type Features

Connector Product Type	Connector Assembly
RF Interface	QMA
RF Connector Style	Plug
Compatible With RF Cable Type	RG 174/U, RG 188/U, RG 316/U
Connector System	Cable-to-Cable
Sealable	No
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	Brass

Body Plating Material	Nickel
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### Contact Features

RF Connector Center Contact Underplating Material	Nickel
Ferrule Plating Material	Nickel
Crimp Type	Hex
Ferrule Material	Brass/Copper
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Brass

### Termination Features

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

RF Connector Coupling Mechanism	Latching Quick Lock
RF Contact Captivation Method	Mechanical
Detent	Without

### Dimensions

Product Length	22.9 mm[.902 in]
RF Connector Mated Outer Diameter (Approximate)	7.62 mm[.3 in]

### Usage Conditions

Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]
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### Operation/Application

Operating Frequency	6 GHz
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### Packaging Features

Packaging Method	Bag
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### Other

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
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: JUNE 2022  
(224)

Candidate List Declared Against: JUL 2021  
(219)

SVHC > Threshold:  
Pb (4% 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 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>

Also in the Series | AMP SMA



Battery Holders(1)



Between Series Adapters(1)



Coax Terminators(1)



In-Series Adapters(11)



Rack & Panel Ferrules & Inserts(1)



RF Cable Assemblies(2)



RF Connector Hardware(2)



RF Connector Launchers(8)



RF Connector Shrouds(3)



RF Connectors(297)

## Documents

### Product Drawings

#### QMA STRAIGHT CABLE PLUG, RG316

English

### CAD Files

#### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_1408333-1\\_C.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1408333-1\\_C.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_1408333-1\\_C.2d\\_dxf.zip](#)

English

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

### Datasheets & Catalog Pages

#### QMA Connectors

English

### Product Specifications

#### Product Specification

English

### Instruction Sheets

#### Instruction Sheet (U.S.)

English