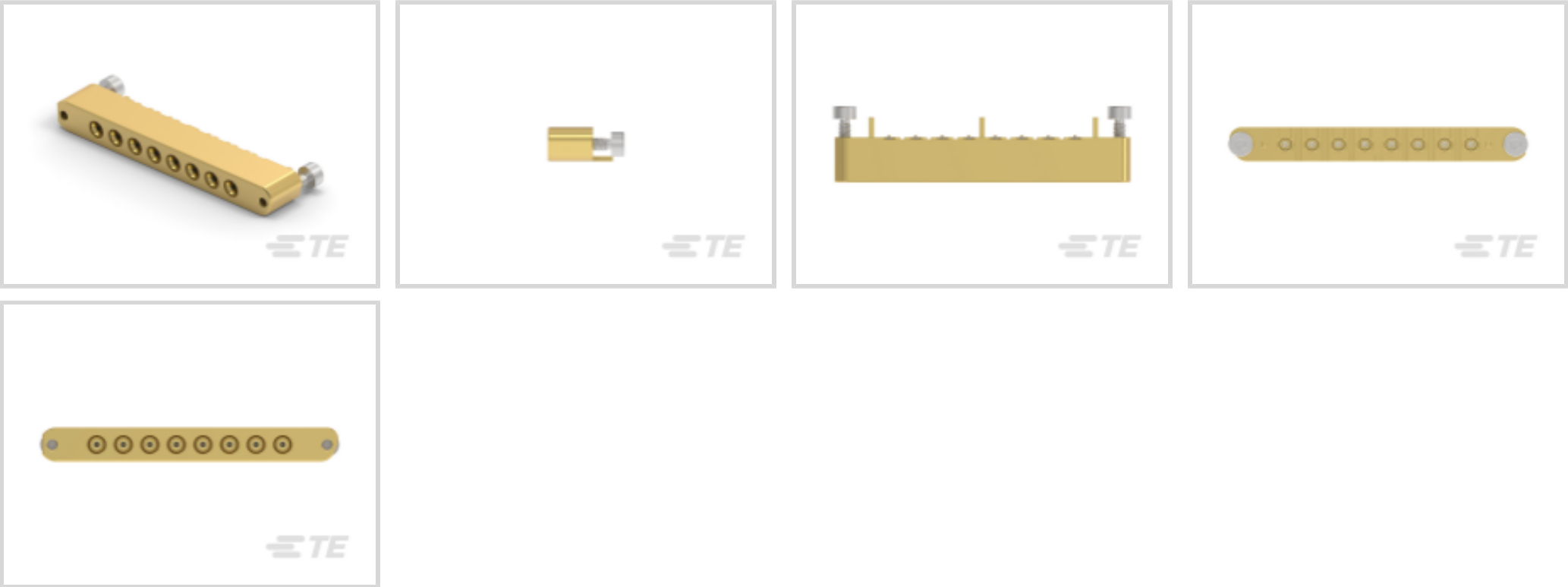




TE Internal #: 2081408-1
SMPM Connector, Receptacle, 50 ohm, Screw, 67 GHz, Board-to-Component, 8 Position, Printed Circuit Board, DIN Rail, -45 – 125 °C [-49 – 257 °F]
[View on TE.com >](#)

Connectors > RF Connectors > Coax Connectors



RF Interface: **SMPM**
RF Connector Style: **Receptacle**
RF Connector Mated Outer Diameter (Approximate): **2.6 mm [.102 in]**
Impedance: **50 Ω**
RF Connector Coupling Mechanism: **Screw**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Connector Seal & Plug Type | Dummy Plug |
| Connector Product Type | Connector Assembly |
| RF Interface | SMPM |
| RF Connector Style | Receptacle |
| Connector System | Board-to-Component |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|----------------------------|----------|
| PCB Mount Orientation | Vertical |
| Number of Positions | 8 |
| Number of Coaxial Contacts | 8 |

Electrical Characteristics

| | |
|-----------|------|
| Impedance | 50 Ω |
|-----------|------|

Body Features

| | |
|--|--|
| | |
|--|--|



| | |
|-----------------------------|----------|
| Body Underplating Material | Copper |
| Cable Connector Orientation | Straight |
| Body Material | Brass |
| Body Material Finish | Plated |
| Body Plating Material | Gold |

Contact Features

| | |
|--|------------------|
| RF Connector Center Contact Plating Material | Gold over Copper |
| RF Connector Center Contact Material | Beryllium Copper |

Termination Features

| | |
|--------------------------------|----------------------|
| Termination Method to PCB | Through Hole - Screw |
| Termination Post & Tail Length | 3 mm[.118 in] |

Mechanical Attachment

| | |
|---------------------------------|------------|
| RF Connector Coupling Mechanism | Screw |
| Connector Mounting Type | DIN Rail |
| RF Contact Captivation Method | Mechanical |
| Detent | With |

Dimensions

| | |
|---|-----------------|
| Profile Height from PCB | 6.8 mm[.27 in] |
| RF Connector Mated Outer Diameter (Approximate) | 2.6 mm[.102 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -45 – 125 °C[-49 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|---------------------------------|
| Circuit Application | Power, Signal & High Speed Data |
| Operating Frequency | 67 GHz |

Packaging Features

| | |
|------------------|-----------|
| Packaging Method | Bag & Box |
|------------------|-----------|

Other

| | |
|---------------------|------|
| Dielectric Material | PEEK |
|---------------------|------|

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 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (4.75% 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 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

TE Part # 2016742-2
40GHz, 8 IN 1, SMPM TO 2.92, M-M, L200

TE Part # 2016742-7
40GHz, 8 IN 1, SMPM TO 2.92, M-M, L700

TE Part # 2016676-5
67GHz, 8 IN 1, SMPM TO 1.85, M-M, L500

TE Part # 2016742-4
40GHz, 8 IN 1, SMPM TO 2.92, M-M, L400

TE Part # 1-2016689-2
40GHz, SMPM TO 2.92, M-M, L1200

TE Part # 2016742-5
40GHz, 8 IN 1, SMPM TO 2.92, M-M, L500

TE Part # 2-2016689-0
40GHz, SMPM TO 2.92, M-M, L2000

TE Part # 2406839-1
SMPM JACK ST FOR .034 SR CABLE



TE Part # 2016742-8
40GHz, 8 IN 1, SMPM TO 2.92, M-M, L800



TE Part # 2016689-6
40GHz, SMPM TO 2.92, M-M, L610



TE Part # 2016676-1
67GHz, 8 IN 1, SMPM TO 1.85, M-M, L100



TE Part # 2016676-6
67GHz, 8 IN 1, SMPM TO 1.85, M-M, L610



TE Part # 2016676-9
67GHz, 8 IN 1, SMPM TO 1.85, M-M, L910



TE Part # 2016689-1
40GHz, SMPM TO 2.92, M-M, L127



TE Part # 2016689-2
40GHz, SMPM TO 2.92, M-M, L254



TE Part # 2016689-3
40GHz, SMPM TO 2.92, M-M, L300



TE Part # 2016742-3
40GHz, 8 IN 1, SMPM TO 2.92, M-M, L305



TE Part # 2016676-2
67GHz, 8 IN 1, SMPM TO 1.85, M-M, L200



TE Part # 1-2016689-0
40GHz, SMPM TO 2.92, M-M, L1000



TE Part # 2016676-8
67GHz, 8 IN 1, SMPM TO 1.85, M-M, L800

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



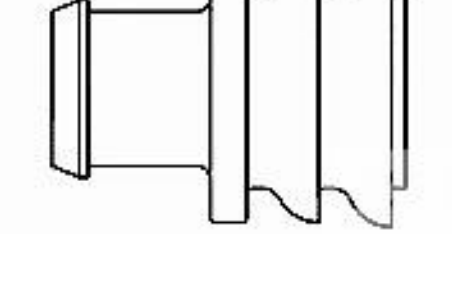
TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents



Product Drawings

SMPM RECEPTACLE,8CHANNELS,67GHZ

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2081408-1_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2081408-1_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2081408-1_1.3d_stp.zip

English

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

Product Specifications

Product Specification

English