



SMPM CONNECTORS PRODUCT EXTENSION

TE Connectivity (TE) introduces an extension of our Sub-Miniature Push-on Micro (SMPM) connector RF product line. SMPM connectors provide a micro-miniature connector interface with a frequency range of up to 65 GHz. Combining compact size and a convenient snap on mating interface, SMPM connectors provide a reliable, high-density, high precision, easy-to-use connection.

The full detent and smooth bore mating systems provide varying levels of engagement and disengagement forces to suit different customer applications. The connectors are useful as a shielded interconnect for high data rate applications in applications where a small package size is required.

PRODUCT FACTS

- Multiple detent options
- Snap-on mating
- Blind mate capable
- Up to 65 GHz operation
- 50 Ω impedance
- 30% smaller than SMP connectors

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APPLICATIONS

- Antennas
- Broadband
- Radar
- Satellite communications
- Medical
- Lab equipment
- Automated test equipment
- Instrumentation
- Internet of Things (IoT) - LTE/Cat-M1 and NB-IoT
- Cellular LTE, Wi-Fi 6/6E, GNSS

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PART NUMBERS

| Part Number | Description | Mating System | Mounting Type | Frequency -Max | Body Material | Dielectric Material | Center Contact Material |
|---------------------------|---|----------------------------|--------------------------|----------------|------------------|---------------------|-------------------------|
| 2477154-1 | SMPM Connector Jack, Male Pin 50 Ω Surface Mount Solder Smooth Bore Gold Flash 40 GHz | Smooth Bore | Surface Mount | 40 GHz | Brass | LCP | Brass |
| 2477244-1 | SMPM Connector Jack, Male Pin 50 Ω Surface Mount Solder Smooth Bore 30 Gold 40 GHz | Smooth Bore | Surface Mount | 40 GHz | Brass | LCP | Brass |
| 2477301-1 | SMPM Connector Jack, Male Pin 50 Ω Surface Mount Solder Full Detent 30 Gold 40 GHz | Full Detent | Surface Mount | 40 GHz | Brass | LCP | Brass |
| 2477310-1 | SMPM Connector Plug, Male Pin 50 Ω Surface Mount Solder Full Detent Tri-alloy 40 GHz | Full Detent | Surface Mount | 40 GHz | Brass | PEEK | Beryllium Copper |
| 2477319-1 | SMPM Connector Plug, Male Pin 50 Ω Surface Mount Solder Tri-alloy Full Detent 40 GHz | Full Detent | Surface Mount | 40 GHz | Brass | PTFE | Beryllium Copper |
| 2477320-1 | SMPM Connector Plug, Male Pin 50 Ω Surface Mount Solder Tri-alloy Smooth Bore 40 GHz | Smooth Bore | Surface Mount | 40 GHz | Brass | PTFE | Beryllium Copper |
| 2477330-1 | SMPM Connector Jack, Male Pin 50 Ω Board Edge Mount, Cutout; Solder Smooth Bore 40 GHz | Smooth Bore | Board Edge, Cutout | 40 GHz | Brass | PTFE | Beryllium Copper |
| 2477334-1 | SMPM Connector Plug, Male Pin 50 Ω SUS Surface Mount Solder Smooth Bore 40 GHz | Smooth Bore | Surface Mount | 40 GHz | Stainless Steel | PAI | Beryllium Copper |
| 2477336-1 | SMPM Connector Plug, Male Pin 50 Ω SUS Surface Mount Solder Full Detent 40 GHz | Full Detent | Surface Mount | 40 GHz | Stainless Steel | PAI | Beryllium Copper |
| 2477337-1 | SMPM Connector Plug, Male Pin 50 Ω Board Edge Mount, Cutout; Solder Full Detent Tri-Alloy 40 GHz | Full Detent | Board Edge, Cutout | 40 GHz | Brass | PTFE | Beryllium Copper |
| 2477347-1 | SMPM Connector Plug, Male Pin 50 Ω SUS Board Edge Mount, Cutout; Solder 40 GHz | Full Detent | Surface Mount | 40 GHz | Stainless Steel | PTFE | Beryllium Copper |
| 2477357-1 | SMPM Connector Plug, Male Pin 50 Ω Board Edge Mount, Cutout; Solder Smooth Bore 40 GHz | Smooth Bore | Surface Mount | 40 GHz | Stainless Steel | PTFE | Beryllium Copper |
| 2477364-1 | Adapter Coaxial Connector SMPM Jack, Female Socket to SMPM Jack, Female Socket 50 Ω 5.36 mm 60 GHz | Full Detent or Smooth Bore | SMPM Jack, Female Socket | 65 GHz | Beryllium Copper | PTFE | Beryllium Copper |
| 2477399-1 | Adapter Coaxial Connector SMPM Jack, Female Socket to SMPM Jack, Female Socket 50 Ω 5.33mm 40 GHz | Full Detent or Smooth Bore | SMPM Jack, Female Socket | 40 GHz | Beryllium Copper | PTFE | Beryllium Copper |
| 2477400-1 | Adapter Coaxial Connector SMPM Jack, Female Socket to SMPM Jack, Female Socket 50 Ω 7.06mm 40 GHz | Full Detent or Smooth Bore | SMPM Jack, Female Socket | 40 GHz | Beryllium Copper | PTFE | Beryllium Copper |

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