



# 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  $\Omega$  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
<a href="#">2477154-1</a>	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
<a href="#">2477244-1</a>	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
<a href="#">2477301-1</a>	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
<a href="#">2477310-1</a>	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
<a href="#">2477319-1</a>	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
<a href="#">2477320-1</a>	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
<a href="#">2477330-1</a>	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
<a href="#">2477334-1</a>	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
<a href="#">2477336-1</a>	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
<a href="#">2477337-1</a>	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
<a href="#">2477347-1</a>	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
<a href="#">2477357-1</a>	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
<a href="#">2477364-1</a>	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
<a href="#">2477399-1</a>	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
<a href="#">2477400-1</a>	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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