

2081884-1 ✓ ACTIVE

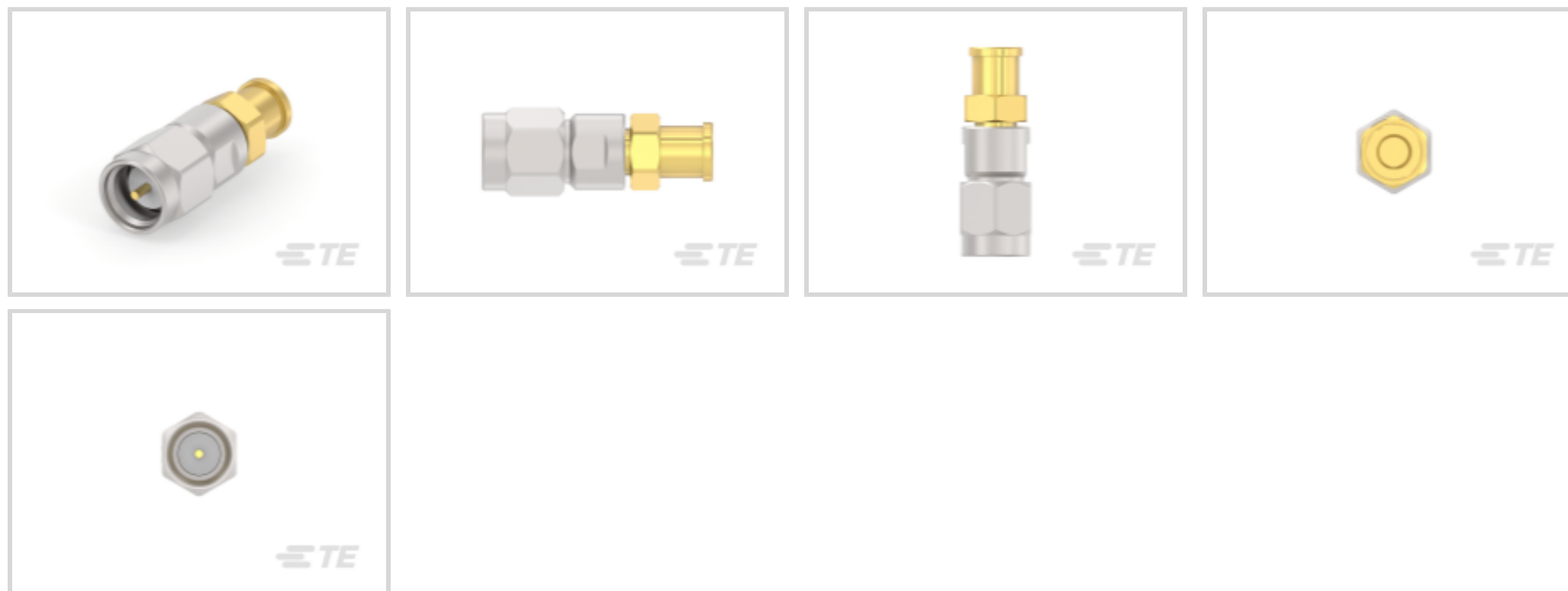
TE Internal #: 2081884-1

SMA RF Interface, Plug, 50  $\Omega$ , .086 Low Loss Dia. .0253 CC, Screw, 0 – 27 GHz Operating Frequency, Cable-to-Board, 1 Position, Wire & Cable

[View on TE.com >](#)



Connectors > RF Connectors > Coax Connectors



RF Interface: **SMA**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **8 mm [ .31 in ]**

Impedance: **50  $\Omega$**

Compatible With RF Cable Type: **.086 Low Loss Dia. .0253 CC**

## Features

### Product Type Features

Connector Shape	Circular
Connector Product Type	Connector Assembly
RF Interface	SMA
RF Connector Style	Plug
Compatible With RF Cable Type	.086 Low Loss Dia. .0253 CC
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

### Electrical Characteristics

Impedance	50 $\Omega$
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### Body Features



Cable Connector Orientation	Straight
Body Material	Stainless Steel
Body Material Finish	Passivated
Body Plating Material	Passivated

#### Contact Features

Ferrule Plating Material	Gold
Ferrule Material	Brass
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Beryllium Copper

#### Termination Features

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

RF Connector Coupling Mechanism	Screw
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical
Detent	Without

#### Dimensions

RF Connector Mated Outer Diameter (Approximate)	8 mm [.31 in]
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#### Usage Conditions

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

Circuit Application	Signal
Operating Frequency	0 – 27 GHz

#### Packaging Features

Packaging Quantity	50
Packaging Method	Bag

#### Other

Dielectric Material	Polytetrafluoroethylene (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	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: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (4.35% in Component Part) <b>Article Safe Usage Statements:</b> 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


<p>TE Part # 2081880-1 EP-SMA,JACK,27GHZ,END LAUNCH, 1.5MM BOARD</p>	<p>TE Part # 2081885-1 EP-SMA,JACK,27GHZ,STRAIGHT,086 CABLE</p>	<p>TE Part # 2081897-1 SMA,JACK,18GHZ,STRAIGHT, SURFACE MOUNT</p>	<p>TE Part # 2466279-1 SMA JACK STR THRU HOLE 18 GHZ AU 50 MIN</p>
<p>TE Part # 2016750-2 EP-SMA,27GHz,F-F, .141,FLEX,L200</p>	<p>TE Part # 2016759-4 EP-SMA,27GHz,F-F,.086,FLEX,L400</p>	<p>TE Part # 2081875-1 EP-SMA,JACK,27GHZ,END LAUNCH, 1.6MM BOARD</p>	<p>TE Part # 2081897-2 2081897-1 WITH NUT AND WASHER</p>




TE Part # 2081902-1  
SMA JACK,STR,18GHZ,0.25 DIA PIN



TE Part # 2467941-1  
RF TERMINATOR SMA JACK 18 GHZ  
2W GOLD



TE Part # 2476193-1  
SMA Jack St Hermetic Seal Panel 26.5  
GHz



TE Part # 2478573-1  
Cbl Assy SMA F to Test Probe SWG  
Typ



TE Part # 2081679-1  
SMA JACK RECEPTACLE,PCB,RIGHT  
ANGLE,6GHZ



TE Part # 2081680-1  
SMA JACK,RIGHT ANGLE,PCB  
RECEPTACLE,6GHZ



TE Part # 2016759-1  
HF,27GHz SMA F-F,RG405 FLEX,L500



TE Part # 2016759-2  
EP-SMA,27GHz,F-F,.086,FLEX,L200



TE Part # 2016759-3  
EP-SMA,27GHz,F-F,.086,FLEX,L300



TE Part # 2016759-5  
EP-SMA,27GHz,F-F,.086,FLEX,L500



TE Part # 2081363-1  
SMA ADAPTER,STR,JACK TO JACK,  
26.5GHZ



TE Part # 2081366-1  
SMA,JACK RECEPTACLE,6GHZ,  
STRAIGHT,FLANGE


### Customers Also Bought



TE Part #8-32589-2  
TERMINAL,PIDG SPD 12-10 10




TE Part #2081885-1  
EP-SMA,JACK,27GHZ,STRAIGHT,086  
CABLE



TE Part #53550-1  
SPlice BUTT PVF2 PIDG 12-10




TE Part #YDTS26F23-55SNV001  
PLUG ASSY




TE Part #1055236-1  
CRIMP TOOL



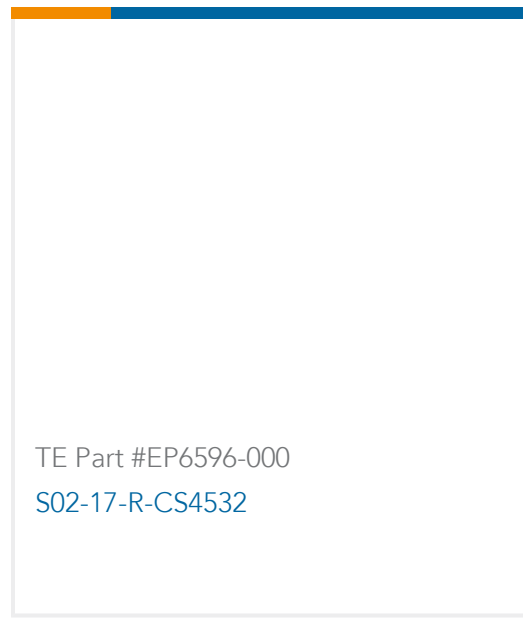
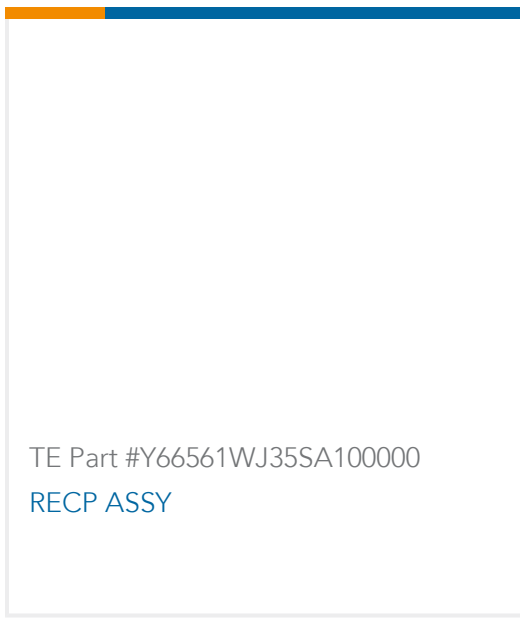
TE Part #YDIV46E23-35SNC009  
PLUG ASSY



TE Part #1055454-1  
CONTACT HOLDER ASS'Y



TE Part #Y66561WG35SN100000  
RECP ASSY



## Documents

### Product Drawings

[EP-SMA,PLUG,27GHZ,STRAIGHT,086 CABLE](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2081884-1\\_1.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2081884-1\\_1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2081884-1\\_1.3d\\_stp.zip](#)

English

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### Product Specifications

[Product Specification](#)

English