

SMP Male Limited Detent Connector Solder Attachment Surface Mount PCB



RF Connectors Technical Data Sheet

ET11503

Configuration

- Limited Detent SMP Male Connector
- MIL-STD-348A
- 50 Ohms

- Straight Body Geometry
- Surface Mount Interface Type
- Solder Attachment

Features

- Max. Operating Frequency 26.5 GHz
- Gold Plated Brass Contact

Blind Mate Connector

Applications

General Purpose Test

PCB Applications

Description

Ebeestock's ET11503 SMP male limited detent connector with solder attachment for surface mount PCB is part of our full line of RF components available for same-day shipping. Our SMP male connector operates up to a maximum frequency of 26.5 GHz. The Ebeestock blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated.

Our SMP male connector ET11503 datasheet specifications and drawing with dimensions are shown below in this PDF. Ebeestock's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Ebeestock has the right connector for the job. Ebeestock can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
Operating Voltage (AC)			335	Vrms
Test Voltage (AC)			500	Vrms
Inner Conductor DC Resistance			6	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	5,000			MOhms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6	6 to 12				GHz
VSWR, Max	1.11:1	1.23:1				

Electrical Specification Notes:

Insertion loss = $0.05 \times \text{sqrt(fGHz)} dB \text{ max.}$

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Male Limited Detent Connector Solder Attachment Surface Mount PCB ET11503



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Mechanical Specifications

Size

 Length
 0.236 in [5.99 mm]

 Width/Dia.
 0.19685 in [5.00 mm]

 Height
 0.161417 in [4.1 mm]

 Weight
 0.003 lbs [1.36 g]

 Mating Cycles
 500 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	LCP	
Body	Brass	Gold

Environmental Specifications

Temperature

Operating Range -65 to +155 deg C

Humidity MIL-STD-202, Method 106

Shock
MIL-STD-202, Method 213, Condition A
Vibration
MIL-STD-202, Method 204, Condition B
Thermal Shock
MIL-STD-202, Method 107, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Assembly Instruction

SMP Male Limited Detent Connector Solder Attachment Surface Mount PCB from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMP Male Limited Detent Connector Solder Attachment Surface Mount PCB ET11503

URL: https://www.ebeestock.com/smp-male-limited-detent-connector-solder-attachment-surface-moun t-pcb-0011503

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

