



V-BITE® SMA, MCX, SMB

50 Ohm Edge-Mount PCB



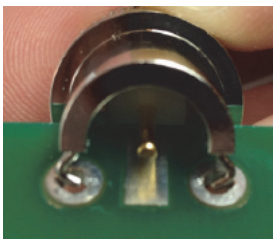
Product Description

V-Bite® Edge-Mount SMA, SMB, and MCX PCB Connectors feature a unique and patented design which provides ease of assembly, outstanding RF performance, and superior mechanical strain relief.

V-Bite® Edge-Mount connectors are available in 50 Ohm and can be used in a wide range of applications including Broadcast Routers, Medical Equipment, Telecommunications, Security, and Test and Measurement.

V-Bite® Edge-Mount PCB connectors snap into the printed circuit board and are held securely in position prior to soldering. Connector bodies are notched where they attach to the board, which helps to provide excellent relief and prevent fatigue to the solder joint during connector mating and unmating.

The edge-mount design utilizes a straight SMT contact for the RF signal that yields optimal performance versus a right-angle through-hole PCB connector.



- V-Bite® Edge-Mount connectors feature a semi-circle shaped spring contact staked into a groove at the rear of the connector.
- V-Bite® Edge-Mount connectors are fast and simple to install. Simply place the connector at a 45-degree angle to the PCB. Insert the PCB into the notched opening and push down onto the connector to seat it firmly in place.
- Once installed, V-Bite® Edge-Mount connectors are ready to be soldered and do not require special fixtures to hold the connectors in true position.

Specifications

Electrical

Impedance: 50 Ohms
 Frequency Range: SMA 0-18 GHz
 SMB 0-4 GHz
 MCX 0-6 GHz
 Working Voltage: 500 VRMS at Sea Level
 Dielectric
 Withstanding Voltage: 1500 VRMS at Sea Level
 VSWR: See Series
 Insulation Resistance: 5000 Meg Ohms Min

Environmental

Temperature Range: - 40° C to +65° C

Material

Body: Brass/Nickel Plated
 Female Contact: Phosphor Bronze/BECU Gold
 Male Contact: Brass/Gold Plated
 Insulator: PTFE

Mechanical

Center Contact Retention: 6 Lbs.
 Engagement Force: 5 Lbs.
 Disengagement Force: 1.5 Lbs.
 Durability: 500 Cycles Min



Photo 1



Photo 2



Photo 3

Part Numbers

Part Number	Printed Circuit Board Connectors	PCB Thickness	Packaging	Photo
961V504EFT	V-Bite® SMA 50 Ohm	0.062 inch	Single	1
1060V504EFT	V-Bite® SMB 50 Ohm	0.062 inch	Single	2
1261V504EFT	V-Bite® MCX 50 Ohm	0.062 inch	Single	3



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