Series: 2.92mm Jack, PCB Compression Mount, 50 Ω, Stripline/Microstrip



292-J-P-EP-ST-XXX-X-X

PACKAGING
-BLANK: INDIVIDUALLY BAGGED
-B: FULL TRAY (QTY >= 100)

OPTION
-1: OPTION 1 (WITHOUT SCREWS)
-2: OPTION 2 (FOR PCB THICKNESS .016" TO .125")
-3: OPTION 3 (FOR PCB THICKNESS .069" TO .178")

TERMINATION
-CM: COMPRESSION MOUNT STRIPLINE
-CMM: COMPRESSION MOUNT MICROSTRIP

MATERIAL AND FINISHES

Connector part	Material	Finish
Shell	Stainless Steel	Passivated
Bushing	Stainless Steel	Passivated
Pin	Beryllium Copper	50µ" Gold over Nickel
Insulator	Ultem 1000	N/A

© 2017 Samtec, Inc.

Series: 2.92mm Jack, PCB Compression Mount, 50 Ω, Stripline/Microstrip

ELECTRICAL DATA

Impedance	50 Ohm
Frequency Range	DC to 40 GHz
VSWR[1]	DC to 26.5 GHz: 1.15:1 typ 26.5 GHz to 40 GHz: 1.25:1 typ
Insertion Loss[1]	$0.03\sqrt{F(GHz)}\ dB\ max$
LLCR - Center Contact	<6.0 mΩ
LLCR - Outer Contact	<2.0 mΩ
Dielectric Withstanding Voltage (DWV)	650 VRMS Min
Insulation Resistance	5,000 MΩ Min
Voltage Rating @ Sea Level	215 VRMS Max

[1] per connector, including reference launch

MECHANICAL DATA

Interface		I.A.W. IEEE Std 287 Fig. G.4 Except interface to be .000-.003
Recommended Mating Coupler Torque		0.8-1.13 N-m (7-10 in-Lb.)
Durability		500 Cycles minimum
Force to Engage / Disengage		≤ 0.23 N-m (2.0 in-Lb.) Max Torque
Center Contact Retention		17.8 N (4.0 Lb.) Minimum Axial
Mass	Compression Mount Stripline	1.76g (0.062 oz.)
	Compression Mount Microstrip	1.75g (0.062 oz.)

ENVIRONMENTAL DATA

Temperature Range	-65 to +165°C
Thermal Shock	EIA-364-32, -55 to +125°C, 100 Cycles
Vibration	EIA-364-28, Condition V-B, 2 hrs/axis
Mechanical Shock	EIA-364-27, Condition G

REFERENCED DOCUMENTS

Configuration and Features	**Drawing**
Compression Mount Stripline	292-J-P-EP-ST-CM-X-X
Compression Mount Microstrip	292-J-P-EP-ST-CMM-X-X

© 2017 Samtec, Inc.

Series: 2.92mm Jack, PCB Compression Mount, 50 Ω, Stripline/Microstrip

USE OF PRODUCT SPECIFICATION SHEET

This Product Specification Sheet ("PSS") is a brief summary of information related to the Product identified. As a summary, it should only be used for the limited purpose of considering the purchase/use of Product. This PSS is the property of Samtec, Inc. ("Samtec") and contains proprietary information of Samtec, our various licensors, or both. Samtec does not grant express or implied rights or license under any patent, copyright, trademark or other proprietary rights and the use of the PSS for building, reverse engineering or replication is strictly prohibited. By using the PSS, the user agrees to not infringe, directly or indirectly, upon any intellectual property rights of Samtec and acknowledges that Samtec, our various licensors, or both own all intellectual property therein. The PSS is presented "AS IS". While Samtec makes every effort to present excellent information, the PSS is only provided as a guideline and does not, therefore, warrant it is without error or defect or that the PSS contains all necessary and/or relevant information about the Product. The user agrees that all access and use of the PSS is at its own risk. **NO WARRANTIES EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY KIND WHATSOEVER ARE PROVIDED**

© 2017 Samtec, Inc.