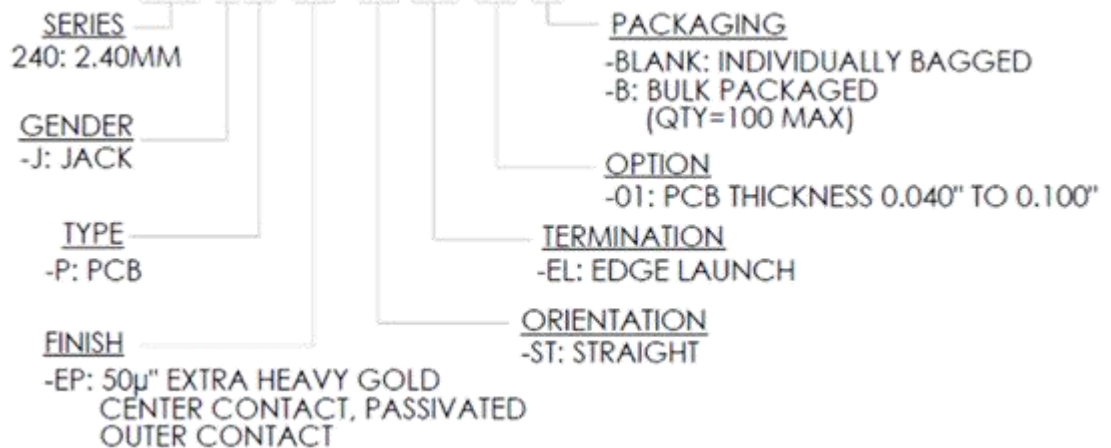


Series: 2.40mm Jack, PCB Solderless Edge Launch, 50 Ω



Part Number: 240-J-P-EP-ST-EL-01-X



MATERIAL AND FINISHES

Connector part	Material	Finish
Body and Backing Plate	Stainless Steel	Passivate
Center Contact	Beryllium Copper	50μ" Gold over Nickel
Dielectric Insulator	Ultem 1000	N/A
Dielectric Bead	PTFE	N/A
Mounting Screws/Lock Washers	Stainless Steel	Passivate

Series: 2.40mm Jack, PCB Solderless Edge Launch, 50 Ω

ELECTRICAL DATA

Impedance	50 Ohm
Frequency Range	DC to 50 GHz
VSWR ¹	1.1 Typ: DC to 18 GHz 1.15 Typ: 18 to 50 GHz
Insertion Loss ²	$0.035\sqrt{F(GHz)} \text{ dB max}$
LLCR - Center Contact	<6.0 mΩ
LLCR - Outer Contact	<2.0 mΩ
DWV - Dielectric Withstanding Voltage ³	500 VRMS Min
IR - Insulation Resistance	5,000 MΩ Min
Voltage Rating @ Sea Level ³	170 VRMS Max

¹ VSWR per connector when tested on Samtec multi-layer test PCB.

² Single connector insertion loss only.

³ May be further limited by PCB design.

MECHANICAL DATA

Interface	I.A.W. IEE Std 287, fig. H.4
Recommended Mating Coupler Torque	0.9-1.13 N-m (8-10 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	4.26g (0.0094 pounds)

ENVIRONMENTAL DATA

Temperature Range	-65 to +165°C
Thermal Shock	MIL-STD-202, method 107, cond. F (-65°C to +150°C)
Vibration	MIL-STD-202, method 204, cond. D (20g peak)
Mechanical Shock	MIL-STD-202, method 213, cond. I (100g peak)

REFERENCED DOCUMENTS

Configuration and Features	DRAWING
Edge Launch	240-J-P-XX-ST-EL-01-X

Series: [2.40mm Jack, PCB Solderless Edge Launch, 50 Ω](#)

USE OF PRODUCT SPECIFICATION SHEET

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