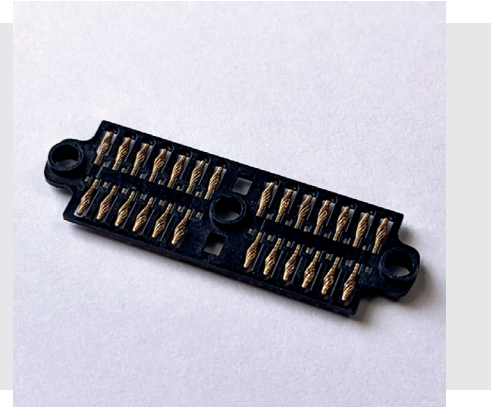




SOLDERLESS PCB TO PCB CONNECTION

DESCRIPTION

- Plastic interposers, with special twist-pin contacts
- Designed for PCB to PCB (or PCB to Flex circuit) solderless connection
- 9, 15, 22, 26 & 31 ways
- Interposers can be simply compressed between two rigid PCB sections, or delivered with an optional clamp for additional stiffening

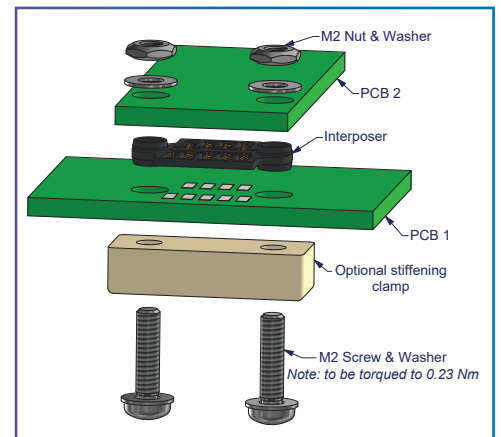


MECHANICAL & ELECTRICAL PERFORMANCES

Subject to validation by qualification

MECHANICAL PROPERTIES		
CHARACTERISTICS	SPECIFICATION	TEST METHOD
Temperature range	-55°C / +125°C	
Vibration	20 g's	Para 9.11 OF ESCC 3401 (no discontinuity > 1µs)
Shock	50 g's	Para 9.12 OF ESCC 3401 (no discontinuity > 1µs)
Number of mounting / dismounting cycles	12	

ELECTRICAL PROPERTIES		
CHARACTERISTICS	SPECIFICATION	TEST METHOD
Current rating	2.5 A max.	
Contact resistance	25 mΩ max. (@ current rating)	Para 9.1.1.3 of ESCC 3401
Insulation resistance	5000 MΩ min. @ 500 Vdc	Para 9.1.1.1 of ESCC 3401
Voltage proof	600 VRMS / 2 mA (leakage current)	Para 9.1.1.2 of ESCC 3401
Working voltage	150 VRMS (@ sea level)	Para 9.1.3.5 of ESCC 3401



INTERPOSER ASSEMBLY

MATERIAL & FINISH

- Outgassing: TML, RML < 1%, CVCM < 0.1%, in compliance with ECSS-Q-ST-70-02
- Excellent resistance to radiation

COMPONENT	MATERIAL	FINISH
Special twist-pin contact	Copper & beryllium copper	Gold plating in accordance with ASTM-B488, type II, class 1 (1.27 µM (0.050") min.), code C Over nickel underplate in accordance with SAE-AMS-QQ-N-290, class 2 (1.27 to 2.54 µm)
Plastic interposer trays	Liquid crystal polymer 30% loaded glass fibre polyester	
Clamp	PEEK, 30% loaded glass fibre	
Glue	Space grade epoxy resin	