

Product Description

Smiths Interconnect's HPH Series is a high density signal PCB connector designed for harsh environments within the aerospace, defense and industrial market segments.

With a 0.6mm contact diameter, the HPH Series comes in 3-6 row configurations and is available up to 303 signal contacts on a 1.901mm staggered grid. Contacts are removable for ease of maintenance. Using the proven Hypertac® hyperboloid contact system, the connectors ensure a low contact resistance under high levels of shocks and vibrations and over 2000 mating cycles. They provide low engagement and withdrawal force; long life and low rate of wear for high reliability and enhanced quality performance.

Technical Characteristics

Current Rating	4 A
Contact Resistance	7 mΩ maximum
Insulation	5 GΩ minimum at 500 Vdc
Mechanical Endurance	In excess of 2000 operations
Engagement/withdrawal forces	0.42 N (1.5 oz) nominal per contact
Temperature	+55°C to +125°C
Voltage Rating	170 Vdc or ac peak nominal
Proof Voltage	800 V minimum
Male Pin Diameter	0.6 mm nominal
Material	
- Insulator	Polyphenylene sulphide
- Contact pin & socket	Copper alloy
- Socket wires	Beryllium copper
- Guides	Stainless steel
- Contact plating	MIL-G-45204 gold plate