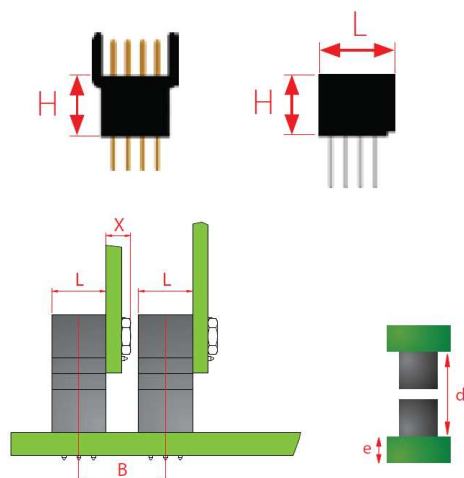


B L P Board Level Products HDAS >>> TECHNICAL SPECIFICATIONS

DIMENSIONAL CHARACTERISTICS



$$H = 8_{MAX} [.315]$$

$$B_{MIN} = L + X$$

X = Board thickness + hardware thickness

$$d = 16_{MAX} [.630]$$

e = 1.6 [.063] to 5.5 [.217] or 2.5_{MIN} [.098] (for YP contacts)

	3 rows	4 rows	5 rows	6 rows
L	8.21 _{MAX} [.323]	10.11 _{MAX} [.398]	12.02 _{MAX} [.473]	13.72 _{MAX} [.540]

FEMALE CONTACT



Starclip female technology: 6 times for better reliability

- 6 contact tines instead of 4
- Excellent mechanical and electrical reliability
- Better resistance to high vibrations
- Improved electrical conductivity
- 100% compatible with other connectors

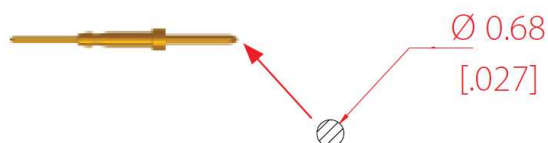
Material

- Barrel: machined brass alloy
- Starclip: CuBe[BeCu], stamped and formed

Plating

- Barrel: tin lead or lead free
- Clip: gold over nickel

MALE CONTACT



Mating end diameter: Ø 0.68 [.027]

Contact section (mating side): 0.36 mm² [.0006 in²]

Material: brass alloy (machined)

Plating: gold over nickel

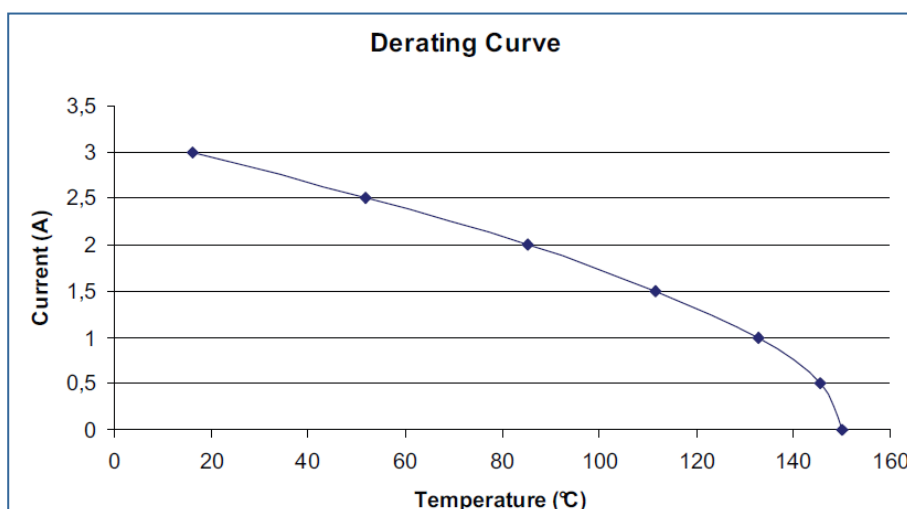
MATERIALS

Guiding devices: electroless nickel plating over brass

Plastic insert: thermoplastic LCP, 30% glass-fiber filled

MECHANICAL, ENVIRONMENTAL AND ELECTRICAL CHARACTERISTICS

MECHANICAL CHARACTERISTICS		ACCORDING TO MIL DTL 55 302	
Backoff ¹ (mm)		1.2 [.0472] _{MAX}	N/A
Mating force per contact (N)		0.6 < F < 0.8	§ 4.5.3
Unmating force per contact (N)		0.3 < F < 0.5	§ 4.5.3
Durability cycles		500	§ 4.5.9
Sinusoïdal vibrations (20 to 2000 Hz) micro discontinuity 2ns		15 g	§ 4.5.10
Random vibrations (600 to 700 Hz) micro discontinuity 2ns		2.682g ² /Hz	§ 4.5.10
Shocks micro discontinuity 2ns		100 g	§ 4.5.10
Recommended tightening torques			
- nuts for Ø 2.5mm screws, brass (m.N)		0.25	N/A
- nuts for Ø 1.6mm screws, brass (m.N)		0.15	N/A
ENVIRONMENTAL CHARACTERISTICS			
Thermal shocks (°C)		-65/+150	§ 4.5.13
Salt Spray (hours)		96	§ 4.5.11
Humidity			
Days		10	§ 4.5.15
Temperature (°C)		40	
Humidity rate (%)		90-95	
ELECTRICAL CHARACTERISTICS			
Current rating per contacts (A)		5 (see derating curve)	§ 4.5.5
Insulation resistance (GΩ)		5 _{MIN}	§ 4.5.8
Contact resistance (mΩ)		10 _{MAX}	§ 4.5.12
Dielectric Withstanding Voltage (Vrms)		800 _{MIN}	§ 4.5.7.1



1: When both connectors are fully mated, the backoff is the maximum distance the connectors can be unmated while functioning properly



Download our HDAS catalogue with all the technical datas on our dedicated website:
www.pcb-interconnect.com