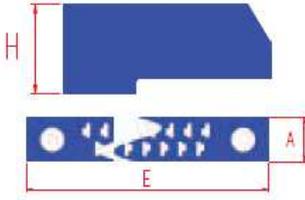


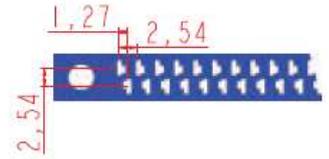


HE8/127 >>> TECHNICAL SPECIFICATIONS

DIMENSIONAL CHARACTERISTICS



H = 7.9 [.311] for HE801 & HE807 connectors
 H = 6.9 [.272] for HE804 connectors
 A = 6.3 [.248] for 2-row connectors
 A = 8.55 to 8.94 [.337 to .352] for 3-row connectors
 E = 37.5 to 144.2 [1.476 to 5.677]



FEMALE CONTACT



Female turning fork contact

→ compatible with other technologies

Material

→ CuSn9P (blade)

Plating

→ Terminations: gold on W3, X & X1 contacts

Tin lead or bright pure tin on YD, Y, Z, YC, YL, T & U contacts

→ Active contact area: gold

MALE CONTACT



HE801 & HE807 connectors

→ Contact section: 0.28 mm² [.0004 inch²]

HE804 connectors

→ Contact section: 0.48 mm² [.0007 in²]

Material

→ CuZn (blade)

Plating

→ Terminations: gold on W3, X & X1 contacts

Tin lead or bright pure tin on YD, Y, Z, YC, YL, T & U contacts

→ Active contact area: gold

MATERIALS

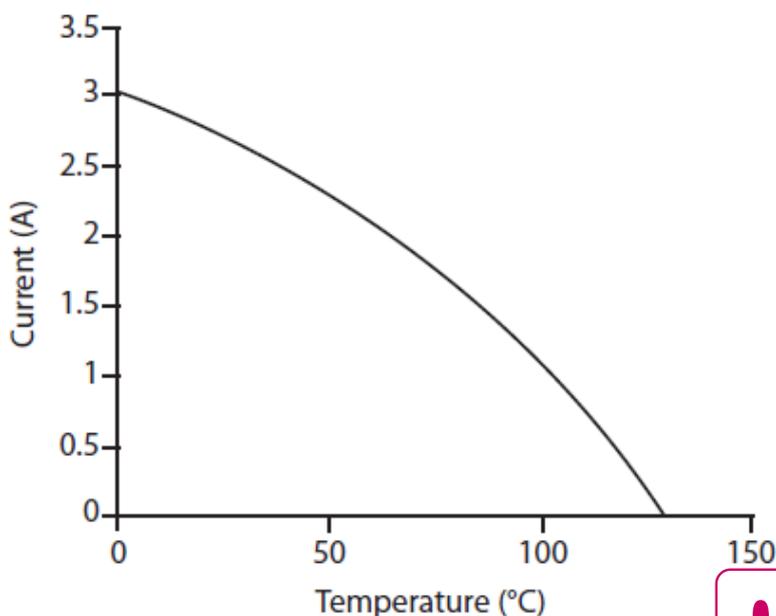
Fittings: electroless nickel over brass or passivated stainless steel (303 ASTM)

Plastic insert: thermoset DAP, 30% glass-fiber filled

MECHANICAL, ENVIRONMENTAL AND ELECTRICAL CHARACTERISTICS

	HE801	HE804	HE807
MECHANICAL CHARACTERISTICS			
Backoff ¹ (mm)	1 _{MAX} [.039]	1 _{MAX} [.039]	1 _{MAX} [.039]
Mating force per contact (N)	1.60 _{MAX}	1.60 _{MAX}	1.60 _{MAX}
Unmating force per contact (N)	0.14 _{MIN}	0.14 _{MIN}	0.14 _{MIN}
Durability cycles	500	500	250
Vibrations (20 to 2000 Hz) micro discontinuity 1μs	10 g	10 g	10 g
Shocks micro discontinuity 1μs	100 g	100 g	100 g
Recommended tightening torques			
- nuts for Ø 2.5mm screws, brass m.N	0.25	0.25	0.25
- nuts for Ø 1.6mm screws, brass m.N	0.15	0.15	0.15
ENVIRONMENTAL CHARACTERISTICS			
Thermal shocks (°C)	-55 / +125	-55 / +125	-55 / +125
Salt Spray hours	96	96	96
ELECTRICAL CHARACTERISTICS			
Current rating per contacts (A)	See derating curve	See derating curve	See derating curve
Insulation resistance (GΩ)	5 _{MIN}	5 _{MIN}	5 _{MIN}
Contact resistance (mΩ)	12 _{MAX}	12 _{MAX}	12 _{MAX}
Dielectric Withstanding Voltage (Vrms)	1 000	1 000	1 000
Capacitance between contacts (pF)	5 _{MAX}	5 _{MAX}	5 _{MAX}
Service voltage at 50 Hz (Vrms)	250	250	250

Derating Curve



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



Download our HE8/127 catalogue with all the technical datas on our dedicated website: www.pcb-interconnect.com