

MALE HSC (HIGH SPEED) TOP ENTRY



1316 SERIES. 1.27 X 1.27 mm (0.050 x 0.050") Different Heights.

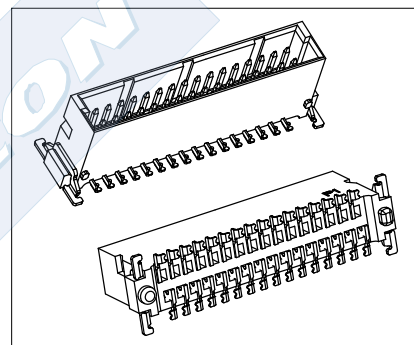
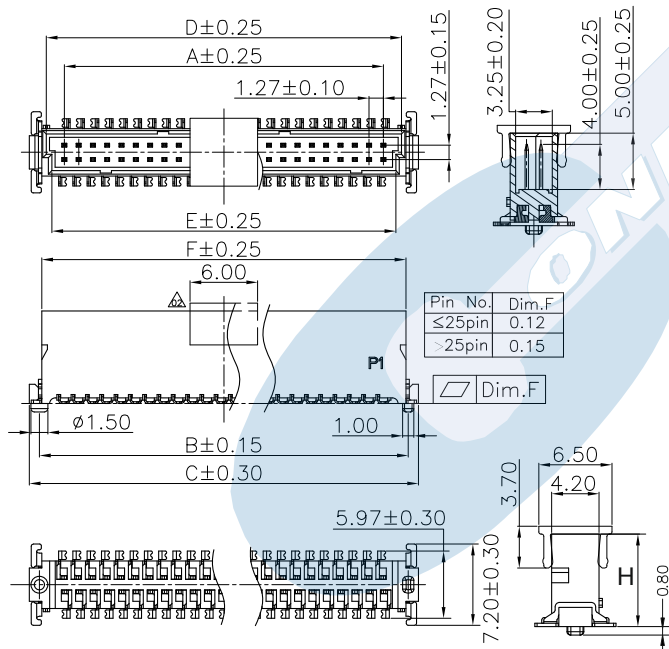
General Features

- Available in 12, 16, 20, 26, 32, 40, 50, 68 and 80 circuits
- Mates with 1.27 mm pitch female 1315 and 1317 series
- Fully shrouded with polarized slot
- Different heights options (6.75 and 8.25 mm.)
- Plastic pegs for alignment of connector pins
- Data rate: Up to 8 Gbps / High speed

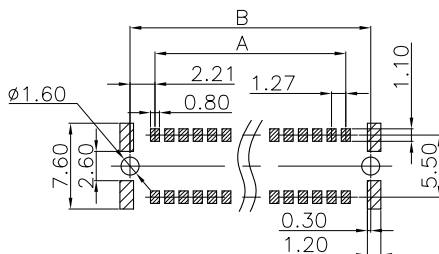
Materials

- Insulator: Polyester LCP UL 94 V-0
- Contact: Cooper Alloy
- Operating temperature: -40°C to +125°C
- RoHS compliant

Dimension Information



Recommended P.C.Board Layout
(Tolerance: ± 0.05)



Dimensions: (In mm.)

- $A = 1.27 \times (xx/2 - 1)$
- $B = 1.27 \times (xx/2) + 3.15$
- $C = 1.27 \times (xx/2) + 5.08$
- $D = 1.27 \times (xx/2) + 1.95$
- $E = 1.27 \times (xx/2) + 0.95$
- $F = 1.27 \times (xx/2) + 2.73$

* **XX** (Number of circuits)

Electrical Features

- Voltage rating: $< 100V$
- Current rating: $< 0.8 A$
- Contact resistance: $< 30 m\Omega$
- Dielectric withstanding voltage: $500 V AC/minute$
- Insulation resistance: $> 1000 M\Omega$
- Capacitance: $< 2 pF$ at $1 KHz$

Mechanical Features

- Pin retention force to insulator: $> 0.15 Kgf$
- Durability: 50 cycles

Ordering Information:

1316 - T- XX- 2- L- E

1 2 3 4 5

1. Connector Series

2. (T) Contact Plating

- T = 2. Tin plated
- T = 3. Gold flash over nickel
Recommended Finish
- T = 5. $15\mu''$ gold over nickel
- T = 6. $30\mu''$ gold over nickel

3. (XX) Number of circuits

- Available in 12 through 80 circuits

4. (L) Height of connector

- L = 1. $H=6.75$ mm.
- L = 2. $H=8.25$ mm.

5. Packing Options

- E = 1. Tube + Pad (Standard Option)
- E = 2. Reel + Pad