

# MALE HSC (HIGH SPEED) SIDE ENTRY



## 1318 SERIES. 1.27 X 1.27 mm (0.050 x 0.050") Different Heights.

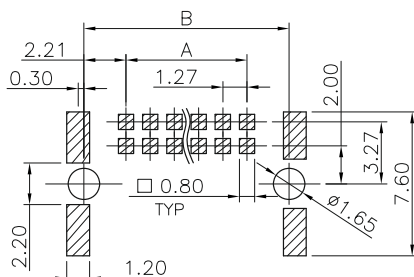
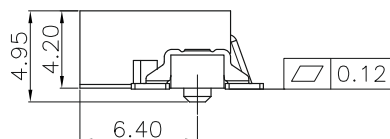
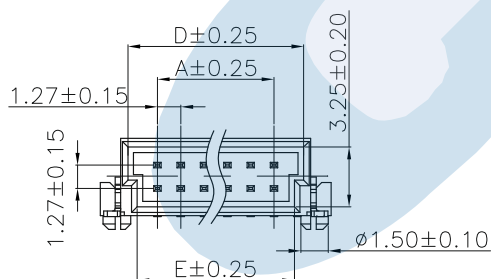
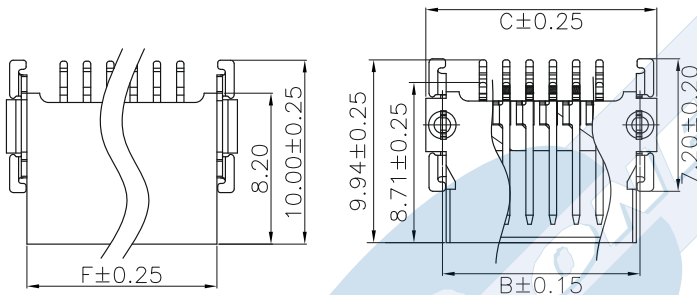
### General Features

- 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
- 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



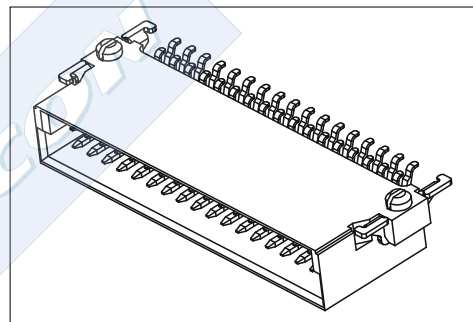
Recommended P.C.Board  
Layout  
(Tolerance:±0.05)

### Electrical Features

- Voltage rating: < 100V
- Current rating: < 0.8 A
- Contact resistance: < 25 mΩ
- Dielectric withstanding voltage: 500 V AC/minute
- Insulation resistance: >1000 MΩ
- Capacitance: < 2 pF at 1 KHz

### Mechanical Features

- Pin retention force to insulator: > 0,15 Kgf
- Durability: 50 cycles



### Ordering Information:

**1318 - T- XX- 2- 1- E**  
1 2 3 4

#### 1. Connector Series

#### 2. (T) Contact Plating

- T = 2. Tin plated
- T = 3. Gold flash over nickel  
Recommended Finish

- T = 5. 15μ" gold over nickel
- T = 6. 30μ" gold over nickel

#### 3. (XX) Number of circuits

- Available in 12 through 80 circuits

#### 4. Packing Options

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

#### Dimensions: (In mm.)

A = 1,27 x (xx/2-1)  
B = 1,27 (xx/2) + 3,15  
C = 1,27 x (xx/2) + 4,58  
D = 127 x (xx/2) + 1,95  
E = 127 x (xx/2) + 0,95  
F = 127 x (xx/2) + 2,73

\* XX (Number of circuits)