# FEMALE HSC (HIGH SPEED) SIDE ENTRY



# **1317 SERIES.** 1.27 X 1.27 mm (0.050 x 0.050").

#### **General Features**

- Available in 12, 16, 20, 26, 32, 40, 50, 68 and 80 circuits
- Mates with 1,27 mm pitch male 1316 and 1318 series
- Fully shrouded with polarized slot
- Dual spring contact
- 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: -25°C to +125°C
- RoHS compliant

#### **Dimension Information**

#### **Electrical Features**

- Voltage rating: < 100V</li>
- Current rating: < 0.8 A</li>
- Contact resistance: < 25 mΩ</li>
- 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:

#### 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.)

 $A = 1.27 \times (xx/2-1)$  B = 1.27 (xx/2) + 3.15 $C = 1,27 \times (xx/2) +5,08$  $\mathbf{D} = 127 \times (xx/2) + 1,75$ 

 $\mathbf{E} = 127 \times (xx/2) + 0.75$ 

\* XX (Number of circuits)

D±0.25 A±0.15 A±0.15 A±0.15 Dim.F 225pin 0.12 225pin 0.12 225pin 0.15  C±0.30 A±0.25 A±0.25 Dim.F 27 Dim.F 28 D
D±0.25 A±0.15  1.27±0.15  D±0.25 A±0.15  D±0.25  A±0.15  Dim.F  25pin 0.12  25pin 0.15  Dim.F  01.50+0.06  01.50+0.06  Dim.F  01.50+0.06  Dim.F  01.50+0.06  Dim.F  01.50+0.06
D±0.25 A±0.15  1.27±0.15  D±0.25 A±0.15  D±0.25  A±0.15  Dim.F  25pin 0.12  25pin 0.15  Dim.F  01.50+0.06  01.50+0.06  Dim.F  01.50+0.06  Dim.F  01.50+0.06  Dim.F  01.50+0.06
A±0.15  1.27±0.15  -A-
E±0.25    C±0.30
E±0.25    C±0.30
E±0.25    C±0.30
E±0.25
©±0.30 A±0.25 1.27±0.15
01.50±0.05 01.50±0.05 B±0.15 C±0.30 A±0.25 1.27±0.15
D±0.15  C±0.30 A±0.25  1.27±0.15
C±0.30 A±0.25 1.27±0.15
C±0.30 A±0.25
A±0.25
1.27±0.15
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41 WH
9.60
5.20 9.25 9.25 1.36 7.20
7.20
50 0 7.20 - 7.20 - 1 - 1.30
· <del></del>
<u>B</u>
A 1.27
99 - 0.30 $11 - 0.80$ TYP $ - 1$
1.20
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Recommended P.C.Board Layout
(Tolerance:±0.05)

A-XX **FULL LINE CATALOGUE**