

DUAL ROW VERTICAL SMT SOCKET



1305 SERIES. 1.27 x 1.27 mm (0.050 x 0.050") pitch.

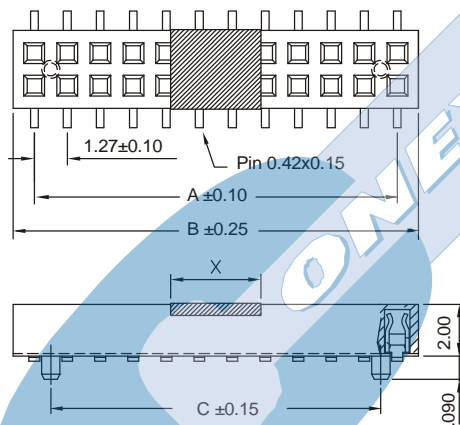
General Features

- Available in 08 through 80 circuits
- Mates with pin headers 1.27 mm pitch 1360, 1362, 1365, 1368, 1366, 1369 and 1375 Series
- Accept 0,40 mm. square pin. Low profile 2.20 mm. high
- Dual beam contact with different plating
- With/Without fixing post for alignment of connector pins

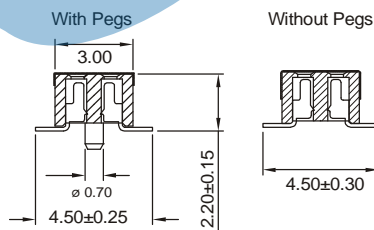
Materials

- Insulator: Polyester LCP UL 94 V-0
- Contact: Phosphor bronze
- Operating temperature: -40°C to +105°C
- RoHS compliant

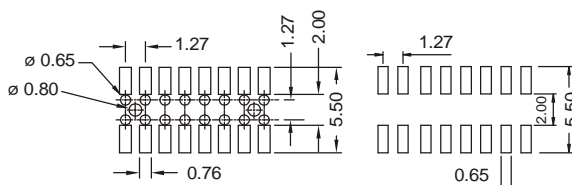
Dimension Information



X	Pin
5mm	03 - 25
10mm	26 - 40



RECOMMENDED PCB LAYOUT



DIMENSIONS:

$$A = 1.27 \left(\frac{XX}{2} - 1 \right) \quad B = 1.27 \left(\frac{XX}{2} - 1 \right) + 0.24 \quad C = 1.27 \left(\frac{XX}{2} - 2 \right)$$

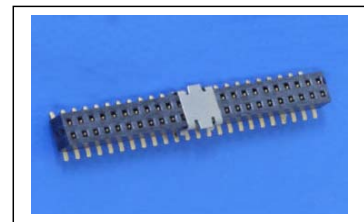
XX = Number of circuits

Electrical Features

- Voltage rating: < 100V
- Current rating: < 1 A
- Contact resistance: < 20 mΩ
- Dielectric withstanding voltage: 300 V AC/minute
- Insulation resistance: >1000 MΩ
- Capacitance: < 2 pF at 1 KHz

Mechanical features

- Insertion force receptacle/plug: < 0,20 Kgf/pin
- Unmating force receptacle/plug: > 0,015 Kgf/pin
- Contact retention force to housing: > 0,15 Kgf/pin
- Durability: 50 cycles



Ordering Information:

1305 - T- XX- P E
1 2 3 4 5

1. Connector Series

2. (T) Contact Plating

- T = 2. Tin plated
- T = 3. Gold flash over 50μ" nickel
Recommended Finish
- T = 5. 15μ" gold over 50μ" nickel
- T = 6. 30μ" gold over 50μ" nickel

3. (XX) Circuit Size

- Available in 08 through 80 circuits
(For 100 circuits replace XX with 00)

4. (P) Fixing Post

- P = 1. Without fixing post
- P = 2. With fixing post

5. (E) Connector Packaging

- E = 1. Tube + Pad
- E = 2. Reel + Pad
- E = 5. Tube + Metal Pad
- E = 6. Reel + Metal Pad