

BOARD TO BOARD PLUG CONNECTOR



0563 SERIES. 0.50mm. (0.020") pitch.

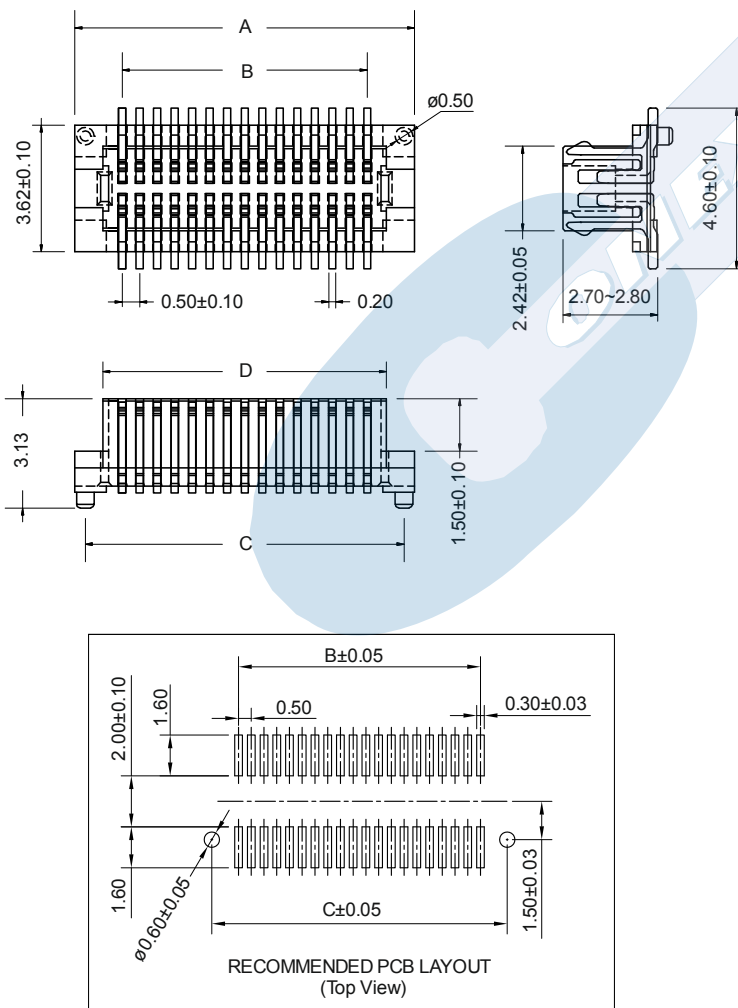
General Features

- Available in 4 through 50 circuits
- Mates with receptacle 0.50 mm pitch 0564 series
- With / without polarized fixing post for PCB
- Connection height: 5.0 mm.

Materials

- Insulator: Glass filled polyamide UL 94 V-0
- Contact: Cooper alloy. Fixed tab: Brass, T= 0,20 mm
- Operating temperature. -40°C to +105°C
- RoHS compliant

Dimensional Information

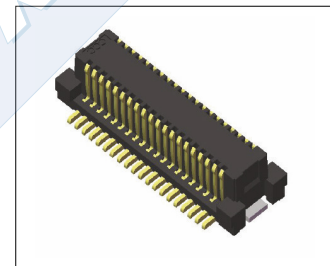


Electrical Features

- Voltage rating: < 50 V
- Current rating: < 0,5 A
- Contact resistance: < 50 mΩ
- Dielectric withstanding voltage: 500 V AC/minute
- Insulation resistance: >500 MΩ

Mechanical Features

- Contact retention force to housing: > 0,10 Kgf/pin
- Mating force: < 0,05 Kgf per contact
- Unmating force: < 0,020 Kgf per contact
- Durability: 30 cycles



Ordering Information:

0563 - 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 4 through 50 circuits

4. (P) Post Options

- P = 1. Without locating pegs
- P = 2. whit locating pegs

5. (E)Packing Options

- E = 1. PAD + TUBE
- E = 2. REEL + TUBE

Dimensions

$$A = 0.5 \left(\frac{XX}{2} \right) + 2.20 \quad B = 0.5 \left(\frac{XX}{2} - 1 \right) \quad C = 0.5 \left(\frac{XX}{2} \right) + 1.60 \quad D = 0.5 \left(\frac{XX}{2} \right) + 0.60$$

(XX) = Number of circuits