

# BOARD TO BOARD PLUG CONNECTOR



## 0561 SERIES. 0.50mm. (0.020") pitch.

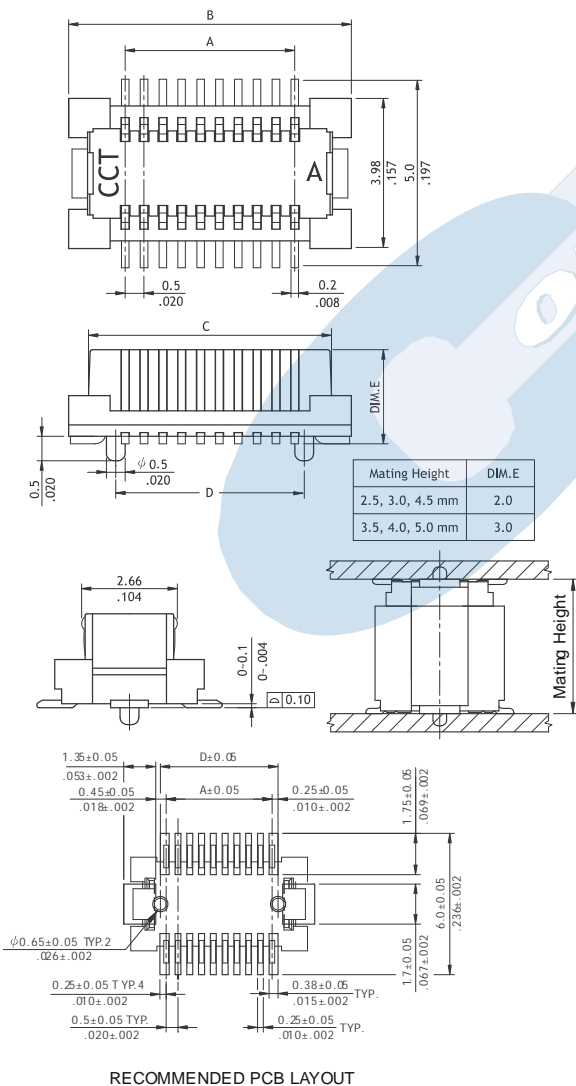
### General Features

- Available in 10 through 80 circuits
- Mates with receptacle 0.50 mm pitch 0562 series
- With polarized fixing post for PCB
- Allows different connection height: 2.50, 3.00, 3.50, 4.00, 4.50 and 5.0 mm.
- Plastic pegs for alignment of connector pins

### 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

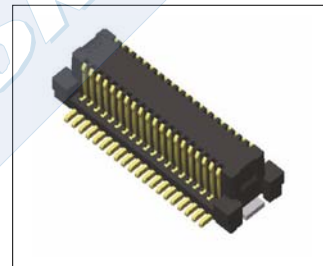


### Electrical Features

- 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:

**0561 - T- XX- P- L- E**  
1 2 3 4 5 6

#### 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 10 through 80 circuits

#### 4. (P) Post Options

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

#### 5. (L) Height of Connector

- L = 1. Dim. E= 2.0 mm.
- L = 2. Dim. E= 3.0 mm.

#### 6. (E)Packing Options

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

### Dimensions

$$A = 0.5 \left( \frac{XX}{2} - 1 \right) \quad B = 0.5 \left( \frac{XX}{2} \right) + 2.5 \quad C = 0.5 \left( \frac{XX}{2} \right) + 1.50 \quad D = 0.8 \left( \frac{XX}{2} \right)$$

(XX) = Number of circuits