

# BOARD TO BOARD TOP ENTRY SMT CONNEC.



## 3916 SERIES. 3.96 mm (0.156") pitch.

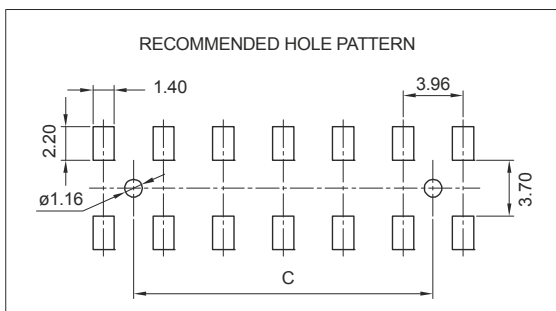
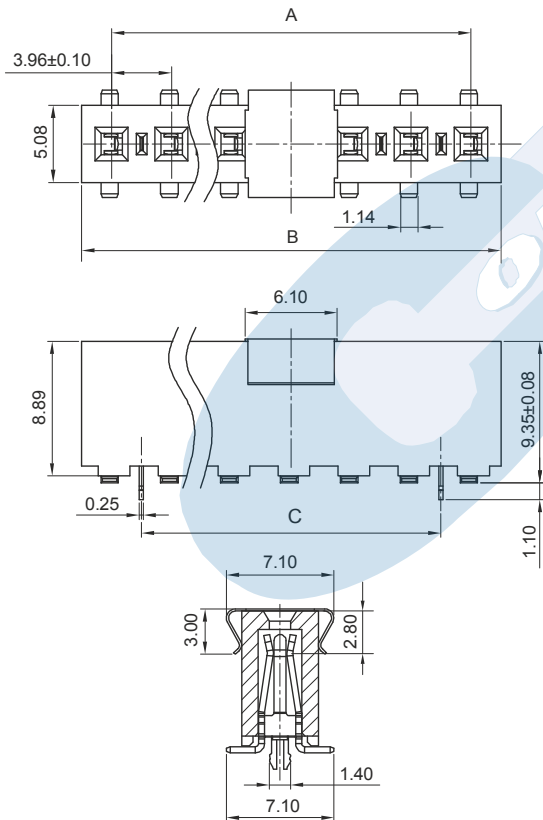
### General Features

- Available in 2 through 24 circuits
- Mates with 3.96 mm pin header 1.14 mm square/round pin 3986, 3987, 3988, 3917, 3918, 3919 and 3920 Series
- Box contact PCB female terminal

### Materials

- Insulator: High temperature plastic UL 94 V-0
- Contact: Tin plated phosphor bronze
- Operating temperature: -40°C to +105°C
- RoHS compliant

### Dimensional Information

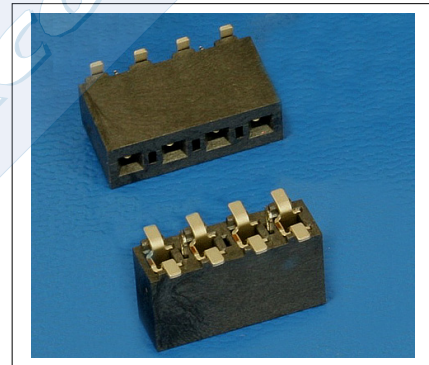


### Electrical Features

- Voltage rating: < 250V
- Current rating: < 7 A
- Contact resistance: < 20 mΩ
- Dielectric withstanding voltage: 1500 V AC/minute
- Insulation resistance: >1000 MΩ
- Capacitance: < 2 pF at 1 KHz

### Mechanical Features

- Insertion force receptacle/plug: < 0.70 Kgf/pin
- Unmating force receptacle/plug: > 0.05 Kgf/pin
- Contact retention force to housing: > 1.00 Kgf/pin
- Durability: 50 cycles



### Ordering Information:

**3916 - T- XX- 1- E**  
1 2 3 4

#### 1. Connector Series

#### 2. (T) Contact Plating

- T = 2. Tin plated  
Recommended Finish

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

- Available in 2 through 24 circuits

#### 4. (E) Packing Options

- E = 3. Film + Tube
- E = 4. Film + Reel

Dimensions: (In mm.)

A = 3.96 x (XX\*-1)

B = 3.96 x (XX\*)

C = 3.96 x (XX\*-2)

\* XX (Number of circuits)