

# D/ ROW VERTICAL SMT SOCKET LOW PROF.



## 2194 SERIES. 2.00 x 2.00 mm. (0.079 x 0.079") pitch.

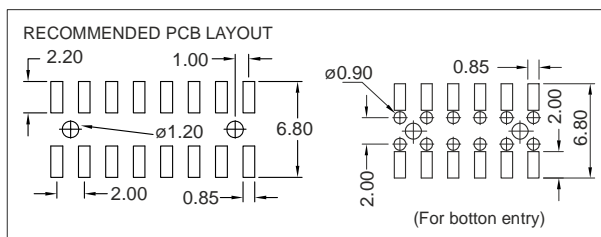
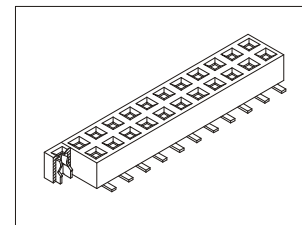
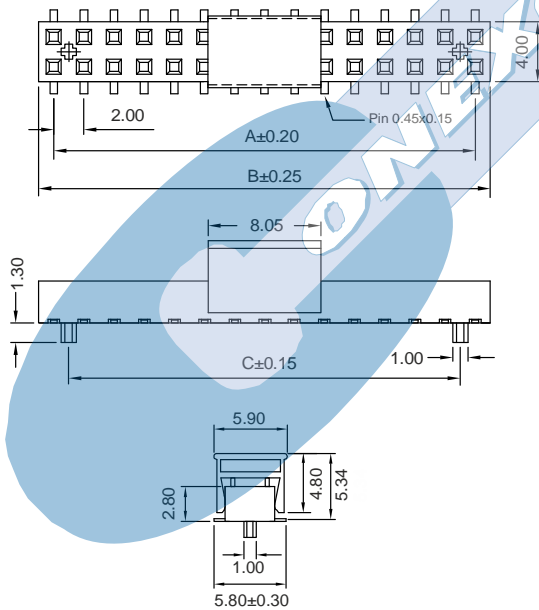
### General Features

- Available in 4 through 70 circuits
- Mates with pin header 2.00 mm. pitch 2026, 2027, 2028, 2029, 2075, 2076, 2160, 2037 and 2177 series
- Accepts 0.50 mm. square pin
- Low profile 2.80 mm. high. Optional fixing post
- Dual Beam contact with different plating

### Materials

- Insulator: Polyester nylon 6T UL 94 V-0
- Contact: phosphor bronze
- Operating temperature: -40°C to +105°C
- RoHS compliant

### Dimension Information



**DIMENSIONS:** (In mm.)

$$A = 2.00 \left( \frac{XX}{2} - 1 \right) \quad B = 2.00 \left( \frac{XX}{2} \right) \quad C = 2.00 \left( \frac{XX}{2} - 2 \right)$$

### Electrical Features

- Voltage rating: < 125V
- Current rating: < 2 A
- Contact resistance: < 20 m $\Omega$
- Dielectric withstanding voltage: 500 V AC/minute
- Insulation resistance: > 1000 M $\Omega$
- Capacitance: < 2pF at 1 KHz.

### Mechanical Features

- Insertion force receptacle/plug: < 0,30 Kgf/pin
- Unmating force receptacle/plug: > 0,02 Kgf/pin
- Contact retention force to housing: > 0,300Kg/pin
- Durability: 50 cycles

### Ordering Information:

**2194-**   **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 nickel  
Recommended Finish
- T = 5. 15 $\mu$ " gold over nickel
- T = 6. 30 $\mu$ " gold over nickel
- T = 13. Sel. gold flash over nickel overall
- T = 15. 15 $\mu$ " sel. gold over nickel overall
- T = 16. 30 $\mu$ " sel. gold over nickel overall

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

- Available in 4 through 70 circuits

#### 4. (P) Fixing Options

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

#### 5. (E) Packing Options

- E = 1. Tube + Pad
- E = 2. Reel + Pad
- E = 3. Tube + Film
- E = 4. Reel + Film