SINGLE ROW VERTICAL SMD FEMALE HEAD.

2109 SERIES. 2.54 mm. (0.100") pitch.

General Features

- Available in 2 through 40 circuits
- Mates with pin header 2.54 mm pitch 2556, 2549, 2548, 2590, 2567, 2542, 2589 and 2578 series
- Accept 0.64 square pin
- 8.50 mm hight
- U contact with different plating

Electrical Features

- Voltage rating: < 250V
- Current rating: < 3 A
- Contact resistance: < 20 mΩ
- Dielectric withstanding voltage: 600 V AC/minute
- Insulation resistance: >1000 MΩ
- Capacitance: < 2 pF at 1 KHz

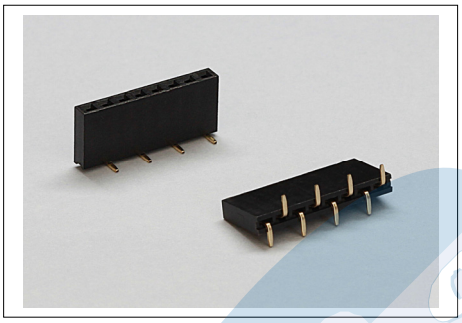
Materials

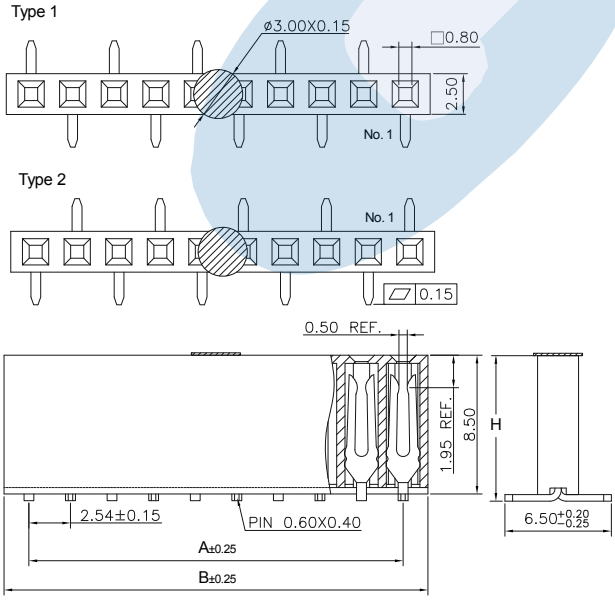
- Insulator: Polyester UL 94 V-0
- Contact: Brass
- Operating temperature: -40°C to +105°C
- RoHS compliant

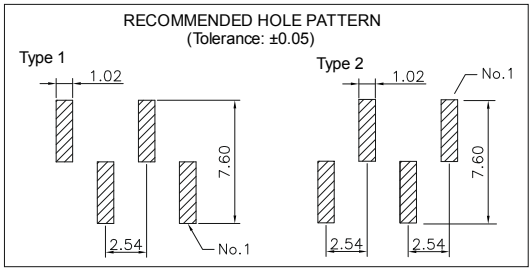
Mechanical Features

- Insertion force receptacle/plug: < 0,40 Kgf/pin
- Unmating force receptacle/plug: > 0,03 Kgf/pin
- Contact retention force to housing: > 0,50 Kgf/pin
- Durability: 50 cycles

Dimension Information







Ordering Information:

2109 - T- XX- C- S- E

1 2 3 4 5 6

1. Connector Series

2. (T) Contact Plating

- T = **2.** Tin plated
- T = **3.** Gold flash over nickel
  Recommended Finish
- T = **5.** 15µ" gold over nickel
- T = **6.** 30µ" gold over nickel
- T = **13.** Sel. gold flash over nickel overall
- T = **15.** 15µ" sel. gold over nickel overall
- T = **16.** 30µ" sel. gold over nickel overall

3. (XX) Number of circuits

- Available in 2 through 40 circuits

4. (C) Connector Height

- C = **1.** H = 8.90 mm.
- C = **2.** H = 9.80 mm.

4. (S) Contacts Configuration

- S = **1.** Type 1
- S = **2.** Type 2

4. (E) Packing Options

- E = **3.** Film + Pad
- E = **4.** Film + Reel

Dimensions: (In mm.)

A = 2.54 x (XX*-1)
B = 2.54 x (XX)+0.50

*** XX** (Number of circuits)