

# SINGLE ROW VERTICAL SMT SOCKET



## 8416 SERIES. 2.54 mm. (0.100") pitch. Machined contact.

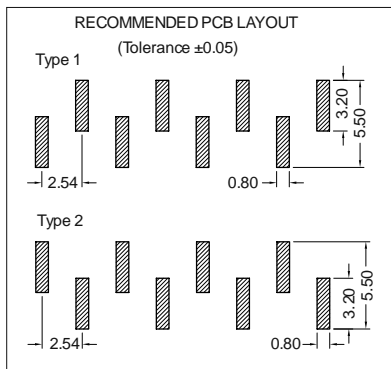
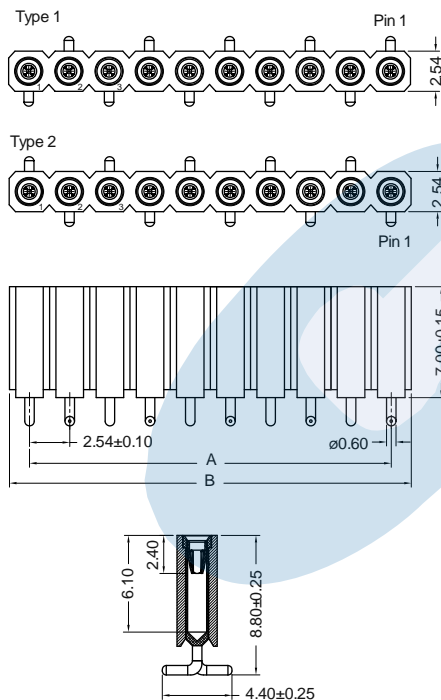
### General Features

- Available in 2 through 40 circuits
- Mates with 0.64 square pin headers 2556 series and with 0.76 mm round pin header 8418 series
- Accept round pin 0.70 to 0.90 mm and sq. pin 0.64 mm
- Different plating options

### Materials

- Insulator: PPS black + 30% GF UL 94 V-0
- Contact: Clip (6 fingers): Beryllium copper
- Sleeve: Brass
- Operating temperature: -40°C to +105°C
- RoHS compliant

### Dimension Information



### Electrical Features

- Voltage rating: < 250V
- Current rating: < 3A
- Contact resistance: < 10 mΩ
- Dielectric withstanding Voltage: 1000 V AC/minute
- Insulation resistance: >1000 MΩ

### Mechanical Features

- Insertion force per pin: < 0.20 Kgf (round pin 0.76 mm)
- Withdrawal force per pin: > 0.10 Kgf (round pin 0.76 mm)
- Durability: 500 Cycles



### Ordering Information:

**8416 - T- XX- P**  
 1            2            3

#### 1. Connector Series

#### 2. (T) Contact Plating

- T = 13. Selec. gold flash over 30-50μ" Ni overall  
Recommended Finish
- T = 15. 15μ" selec. gold over 30-50μ" Ni overall
- T = 16. 30μ" selec. gold over 30-50μ" Ni overall

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

- Available in 2 through 40 circuits

#### 4. (P) Connector Type

- P = 1. Type 1
- P = 2. Type 2

Dimensions: (In mm.)

A = 2.54 x (XX\*-1)

B = 2.54 x (XX\*)+0.40

\* XX (Number of circuits)