

# HALF PITCH IDC PIN TYPE PLUG CONNECTOR



## 8170 SERIES. Micro Pin IDC Plug Connector.

### General Features

- Available in 26, 50 and 68 circuits
- Contact area: selective gold plating over nickel
- IDC area: Tin plating
- Accept wires AWG 28 and 30
- High Reliability and High Density packaging
- Use hood 8160 and 8162 series
- With different hardware options. Contact sales office

### Materials

- Insulator: Glass-Filled Thermoplastic PBT, UL94V-0 rated
- Contact: Phosphor bronze
- Shell : Steel nickel plated
- Spring latch and screwlock: Steel Nickel Plated
- Operating temperature. -25°C to +85°C. RoHS compliant

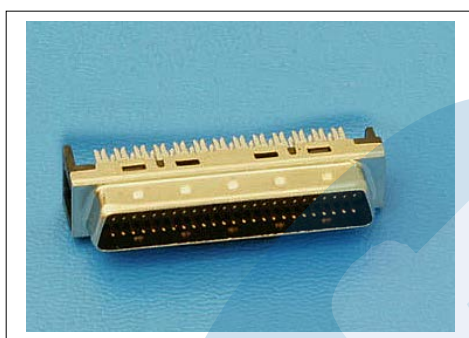
### Dimension Information

### Electrical Features

- Voltage rating: < 250 V
- Current rating: < 1 A
- Contact resistance: < 25 mΩ
- Dielectric withstanding Voltage: 500 V AC/minute
- Insulation resistance: >500 MΩ

### Mechanical Features

- Mating force per contact: < 0.10 Kg
- Unmating force per contact: < 0.07 Kg
- Durability: 200 Cycles



Circuits	Part Number	Dimensions			
		A	B	C	D
26	8170 – T026C	24.00	19.65	9.30	15.00
50	8170 – T050C	39.30	34.85	9.30	15.30
68	8170 – T068C	50.90	46.35	9.30	14.95

### T = Contact Plating

- T = 3. Gold flash over 50μ" nickel.
- T = 4. 10μ" gold over 50μ" nickel
- T = 5. 15μ" gold over 50μ" nickel
- T = 6. 30μ" gold over 50μ" nickel

### C = AWG Wires diameter

- T = 6. 0.62 mm.
- T = 7. 0.75 mm.
- T = 8. 0.80 mm.
- T = 9. 0.90 mm.

