

# D-SUB HIGH DENS. SOLDER SOCKET CON.



## 8083 SERIES. D Sub High Density PCB socket connector high profile.

### General Features

- Available in 15, 26, 44, 62 and 78 ways
- Contact area: selective gold plating over nickel
- Solder area: tin plating over nickel
- High profile and different hardware options
- Contact sales office

### Materials

- Insulator: Glass-Filled Thermoplastic PBT, UL94V-0 rated
- Contact: Phosphor bronze
- Shell : Steel, 100U Tin Over 50U Min Copper
- Clinch Nut : Brass, Nickel Plated
- Screwlock : Brass, Nickel Plated
- Operating temperature. -25°C to +85°C
- RoHS compliant

### Dimension Information

### Electrical Features

- Voltage rating: < 250 V
- Current rating: < 3 A
- Contact resistance: < 20 mΩ
- Dielectric withstanding Voltage: 500 V AC/minute
- Insulation resistance: >1000 MΩ

### Mechanical Features

- Insertion force per contact: < 0.30 Kg
- Withdrawal force per contact: < 0.015 Kg
- Durability: 500 Cycles

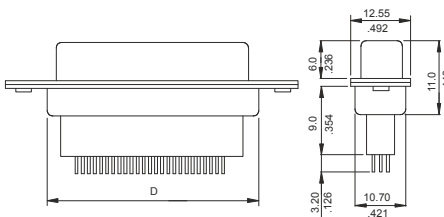
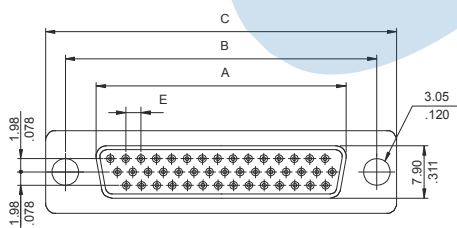
| Circuit Size | Part Number | Dimensions    |               |               |               |               |
|--------------|-------------|---------------|---------------|---------------|---------------|---------------|
|              |             | A             | B             | C             | D             | E             |
| 15           | 8083 – T15C | 16.33 (0.643) | 24.99 (0.984) | 30.81 (1.213) | 19.23 (0.757) | 2.290 (0.090) |
| 26           | 8083 – T26C | 24.66 (0.971) | 33.32 (1.312) | 39.14 (1.541) | 27.56 (1.085) | 2.290 (0.090) |
| 44           | 8083 – T44C | 38.38 (1.511) | 47.04 (1.852) | 53.04 (2.088) | 41.28 (1.625) | 2.290 (0.090) |
| 62           | 8083 – T62C | 54.84 (2.159) | 63.50 (2.500) | 69.32 (2.729) | 57.73 (2.273) | 2.410 (0.095) |
| 78           | 8083 – T78C | 52.43 (2.064) | 61.11 (2.406) | 66.93 (2.635) | 55.32 (2.178) | 2.410 (0.095) |

### T = Contact Plating

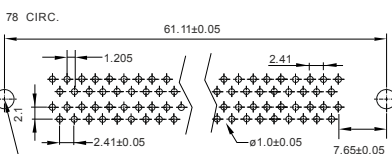
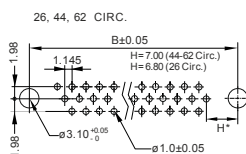
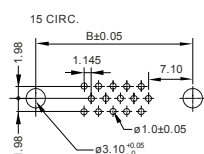
- T = 3. Gold flash over 50μ" nickel
- T = 4. 10μ" gold over 50μ" nickel
- T = 5. 15μ" gold over 50μ" nickel
- T = 6. 30μ" gold over 50μ" nickel

### C = Hardware Options

- C = 1. Standard with 3.05mm(.012") dia. mount hole
- C = 3. Whit riveted #4-40 UNC clinch nuts 6.00mm thickness T2
- C = 4. Whit riveted retaining clip ground strap 5.00mm thickness T1
- C = 5. With 4.40 UNC hexagonal standoff D2



### RECOMMENDED HOLE PATTERN



### C = HARDWARE OPTIONS

