

## Product Specification

### Material

Insulator :Glass-Filled Thermoplastic  
PBT, UL94V-0 rates

Contact :Brass or Phosphor Bronze  
Plated full gold or selected gold in  
mating area, 100u" min. tin plated  
on termination area, with entire contact  
under-plated 50u" min. Nickel

### Electrical

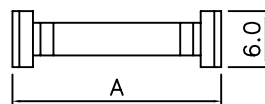
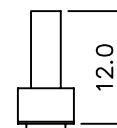
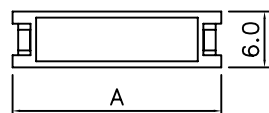
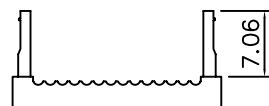
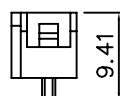
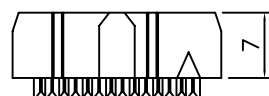
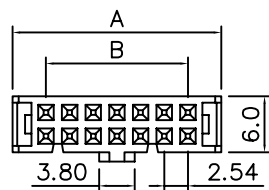
Contact Resistance :20 milliohms  
Max at 1 AMP DC.

Insulation Resistance :5000  
megohms at 500 VDC

Dielectric Withstanding Voltage :  
500 VAC/rms 60Hz for 1 minute

Current Rating :3 AMP

Volatge Rating :250 VAC/rms 60Hz



Strain Relief

### Dimensions

| Positions | A     | B     |
|-----------|-------|-------|
| 6         | 12.16 | 5.08  |
| 8         | 14.74 | 7.62  |
| 10        | 17.27 | 10.16 |
| 12        | 19.85 | 12.70 |
| 14        | 22.40 | 15.24 |

| Positions | A     | B     |
|-----------|-------|-------|
| 34        | 47.80 | 40.64 |
| 36        | 50.29 | 43.18 |
| 40        | 55.37 | 48.26 |
| 44        | 60.56 | 53.34 |
| 50        | 68.18 | 60.96 |

| Positions | A     | B     |
|-----------|-------|-------|
| 16        | 24.94 | 17.78 |
| 20        | 30.00 | 22.86 |
| 24        | 35.10 | 27.94 |
| 26        | 37.59 | 30.48 |
| 30        | 42.66 | 35.56 |

| Positions | A     | B     |
|-----------|-------|-------|
| 56        | 75.74 | 68.58 |
| 60        | 80.80 | 73.66 |
| 62        | 83.35 | 76.20 |
| 64        | 85.90 | 78.74 |

T812 X XX XX XX C EU

IDC Socket:  
2.54mm Pitch

Housing Color  
0: Grey  
1: Black

No of Positions:  
06: 6 positions  
:  
:  
64: 64 positions

Plating Options:  
A1: Flash Gold  
A2: 15u"/0,4um Gold  
A3: 30u"/0,8um Gold  
SN: Tin

EU: RoHS  
Compliant

C: Fixed Index

Variation Code:  
00: W/O Strain Relief  
01: With Strain Relief



| TOLERANCE (mm)             | APPROVALS          | DATE        | TITLE                  |        |
|----------------------------|--------------------|-------------|------------------------|--------|
| X. ±0.3                    | DRAWN<br>Roger     | 29/Nov/2006 | IDC Socket             |        |
| X.X ±0.2                   | CHECKED<br>Eric.   | 30/Nov/2006 |                        |        |
| X.XX ±0.15                 | APPROVED<br>Rob K. | 01/Dec/2006 |                        |        |
| UNLESS OTHERWISE SPECIFIED | UNIT:              | SIZE:       | DRAWING N° T812 Series |        |
|                            |                    |             |                        | REV. B |

**AMPHENOL**  
Amphenol European  
Design Center

Scale N.A. Sheet 1 of 1