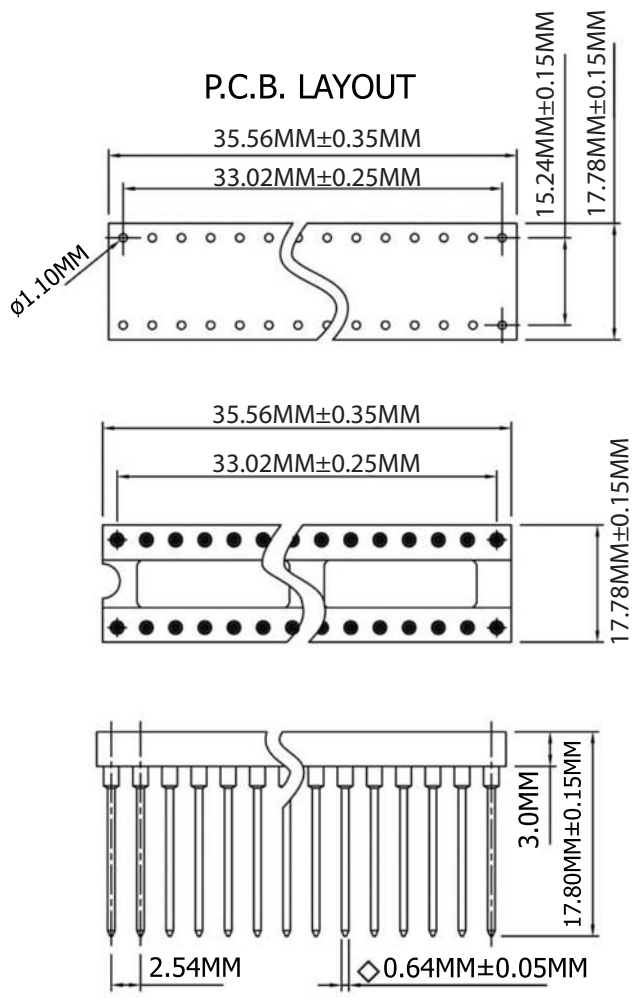


### P.C.B. LAYOUT



### Materials

Pin (outer sleeve) : Brass, machined, CuZn38Pb2  
 Clip (contact 4 finger) : Beryllium copper, heat treated or PHBZ  
 Plating (outer sleeve) : Tin plated : 2µm/80µ"nickel, 5µm/200µ" Tin  
 Plating clip (contact) : 2µm/80µ"nickel, Gold  
 Insulator body (black) : Glass filled thermoplastic polyester UL94V-0

### Electrical

Current rating : 3 Amps/contact max.  
 Contact resistance : Max 4mΩ  
 Insulation resistance : Min 10,000mΩ @ 500 V AC  
 Operating Voltage : 100 VRMS / 150 V AC

### Mechanical

Operating temperature : Tin plated: -40°C to +105°C  
 Average insertion force with steel pin of: 0.43mm/0.017" < 250g  
 Average withdrawal force with steel pin of: 0.43mm/0.017" > 50g  
 Mechanical life : min.200  
 Packaging: Tube



|           |       |  |  |  |  |          |          |
|-----------|-------|--|--|--|--|----------|----------|
| Scale     | 1:1   |  |  |  |  |          | Name     |
| TOLERANCE |       |  |  |  |  | Drawn    | 11.02.11 |
| X.X       | ±0.40 |  |  |  |  | Approved | Chappell |
| X.XX      | ±0.25 |  |  |  |  |          |          |
| X.XXX     | ±0.15 |  |  |  |  |          |          |
| Angle     | ±3°   |  |  |  |  |          |          |
|           |       |  |  |  |  |          |          |
|           |       |  |  |  |  |          |          |
|           |       |  |  |  |  |          |          |

|   |              |
|---|--------------|
| Item No.  |              |
| <b>AR28-HZW/T-R</b>   |              |
| Title IDC-Socket, 28 Pin, Wire Wrap, Pitch: 2.54MM, Pin Length: 17.80MM |              |
| Drawing No.   |              |
|   | <b>rev00</b> |
| Replace   | Sheet        |