

# TECHNICAL SPECIFICATION

Insulation Resistance - 500 M Ohms min.  
 Dielectric Strength - 1000 V rms , 60 Hz.  
 Contact Resistance - 20 milli,Ohms. max.  
 Current Rating - 1.5 amp DC  
 Maximum Total Mating Force - 35 N  
 Retention Force Between Plug & Jack - 22.5 N min.  
 Durability - 500 mating cycles  
 Temperature Range -25 / + 90 Deg C.

## Material:

Housing : PBT 30% Glass Filled UL 94 V-0 Black

The housing will withstand exposure to 260-265°C for 3.5 seconds in a wavesoldering application. Use protective adhesive tape (Kapton or Teflon) or protective metallic devices on the areas which are directly exposed to wave soldering as it is used in classical leaded wave soldering.

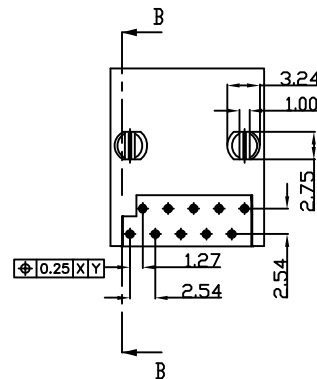
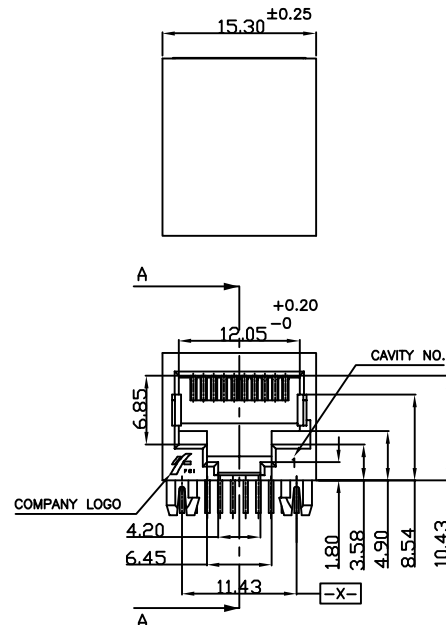
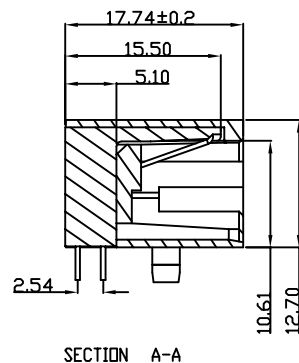
Contact : Ø0.46mm Phosphor Bronze

Plating :

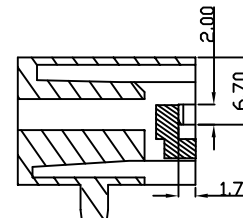
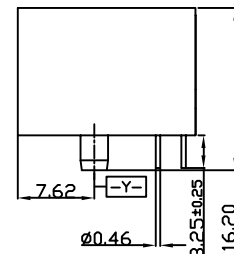
Active zone : Gold over nickel on contact area

Termination zone : SnPb over Nickel (Leaded version)

: Matte Tin over nickel (Lead Free version)



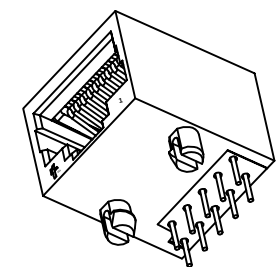
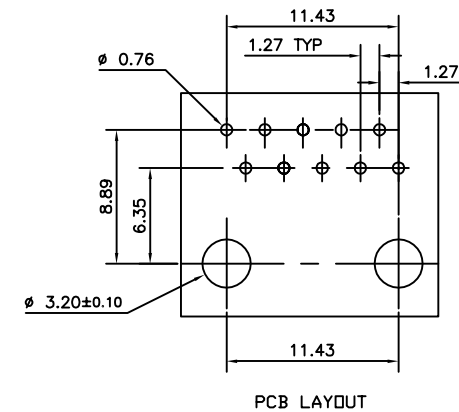
- 1.LF Products meet European Union Directives and other country Regulations as described in GS-22-008.
- 2.The Housing will withstand exposure to 260° peak temperature for 3.5 sec in a wave solder application with a 1.6mm Min thick circuit board. Slight deformation of snap pegs may occur at 260-265°c which will not affect the function of the product.
- 3.Lead Free or ROHS Directive labelling to be provided as per GS-14-920 for Lead Free version.



SECTION B-B

## NOTES:

1. ALL WIRES MUST BE STRAIGHT TO THE SHELF



PART NO. 54602-X10 LF

LEAD FREE

6-0.76 µ Au.Sel.  
 7-Au Flash.Sel.  
 8-1.27 µ Au.Sel.  
 9-0.38 µ Au.Sel.

|                  |  |                |  |                       |  |                               |  |                                                                                                     |  |                                                                                       |  |                                                                                             |  |                                                 |  |      |  |
|------------------|--|----------------|--|-----------------------|--|-------------------------------|--|-----------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|------|--|
| mat'l. code<br>- |  |                |  | surface<br>ISO 1302 ✓ |  | tolerance<br>ISO 406 ISO 1101 |  | projection<br> |  | product family<br>MODJACK                                                             |  |                                                                                             |  |                                                 |  |      |  |
| ltr              |  | ecn no         |  | dr                    |  | date                          |  | tolerances unless otherwise specified                                                               |  | title                                                                                 |  |                                                                                             |  |                                                 |  |      |  |
| D                |  | 106-0123       |  | HVN                   |  | 2006-07-21                    |  | angles                                                                                              |  | linear                                                                                |  | MM<br> |  | 10 POL SHALLOW LATCH CONNECTOR<br>(PCB.MODJACK) |  |      |  |
| E                |  | 107-0039       |  | HVN                   |  | 2007-03-16                    |  | #0.1                                                                                                |  |                                                                                       |  |                                                                                             |  |                                                 |  |      |  |
| F                |  | 107-0122       |  | HVN                   |  | 2007-09-19                    |  | ±1°                                                                                                 |  | scale                                                                                 |  | -                                                                                           |  |                                                 |  |      |  |
|                  |  |                |  |                       |  |                               |  |                                                                                                     |  |                                                                                       |  |                                                                                             |  |                                                 |  |      |  |
|                  |  |                |  | dr                    |  | MINI K VANDANATH              |  | 2003-04-04                                                                                          |  |  |  | dwg no                                                                                      |  | sheet 1 of 1                                    |  | size |  |
|                  |  |                |  | engr                  |  | HIRAN.V.N                     |  | 2003-04-04                                                                                          |  |                                                                                       |  | C-BMJ-0101                                                                                  |  | A3                                              |  |      |  |
|                  |  |                |  | chr                   |  | HIRAN.V.N                     |  | 2007-09-19                                                                                          |  |                                                                                       |  |                                                                                             |  |                                                 |  |      |  |
|                  |  |                |  | appd                  |  | HIRAN.V.N                     |  | 2007-09-19                                                                                          |  |                                                                                       |  |                                                                                             |  |                                                 |  |      |  |
| sheet index      |  | revision sheet |  | F                     |  | 1                             |  |                                                                                                     |  |                                                                                       |  |                                                                                             |  |                                                 |  |      |  |