

REV.	ECN.NO.	APPD.
A	/	pcy

NOTES:

## 1.MATERIAL:

### 1.1.1 Housing:thermoplastic plastics

## 1.2 terminals: Copper Alloy

Gold plated in contact area:

Tin plated in termination

Nickel Plated overall

Shell:Steel&amp;Copper Alloy

Nickel Plated overall

## ELECTRICAL CHARACTERISTICS:

2.1 Rating Current : 1.5 Ampere

2.2 Rating Voltage : 30 V Max

2.3 Contact Resistance: 30 Milli ohms

## 2.4 Insulation Resistance: 100

## MECHANICAL CHARACTERISTICS:

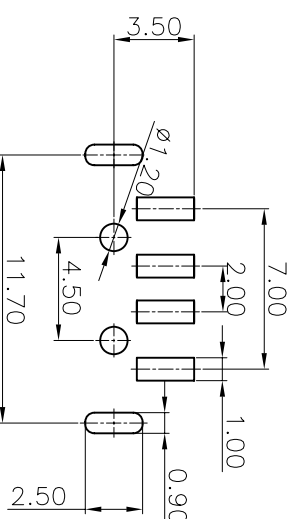
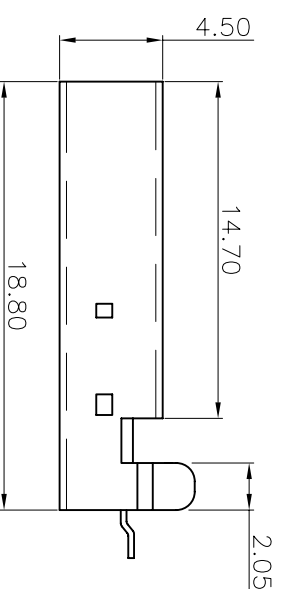
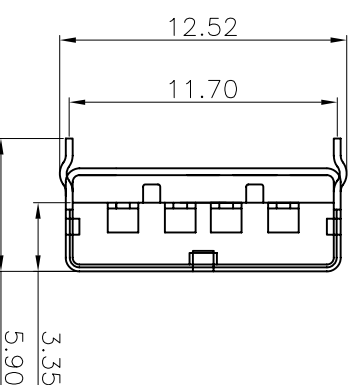
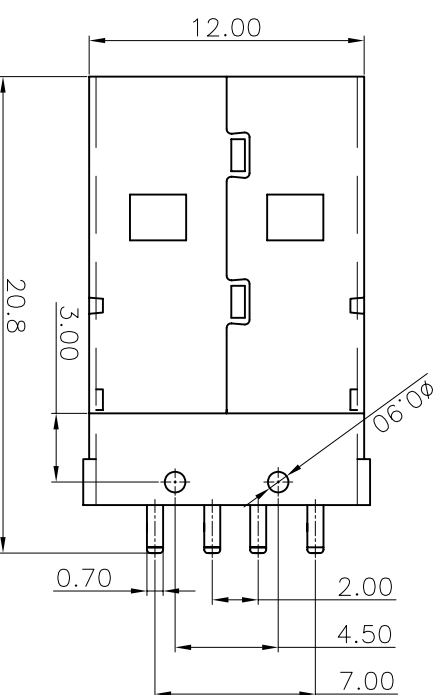
3.1 Connector Mating force: 35N MAX(3.5/Kgt)

### 3.2 Connector Unmating

### 3.3 Durability: 15000Cycles.

## ENVIRONMENTAL CHARACTERISTICS:

Operating temperature:  $-0^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$




# PCB LAYOUT

U212-012X-XXXXXR

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- ```

graph TD
    A[1:Iron alloy] --> B[Ni plating]
    A --> C[5:Copper alloy]
    B --> D[1:Au 1u]
    B --> E[3:Au 3u]
    B --> F[5:Au 5u]
    B --> G[7:Au 10u]
    B --> H[8:Au 15u]
    B --> I[A:Au 30u]
    C --> J[Ni plating]
    C --> K[1:Black]
    C --> L[2:White]
    C --> M[3:Beige]
    C --> N[N.Pure White]
    C --> O[1:PA66]
    C --> P[2:PBt]
    C --> Q[6:ICP]
    J --> R[1:tray]
    J --> S[2:Tube]
    J --> T[8:Tape&Reel]
    J --> U[9:Tape&Reel+MyIar]
    J --> V[10:CP]
  
```

| TOLERANCE UNLESS OTHERWISE SPECIFIED |              |              |  | HUA LIAN WEI 深圳市华联威电子科技有限公司                                                       |  |                      |       |       |      |
|--------------------------------------|--------------|--------------|--|-----------------------------------------------------------------------------------|--|----------------------|-------|-------|------|
| .XXX<br>±0.10                        |              | .XX<br>±0.20 |  | .X<br>±0.30                                                                       |  | X <sup>+</sup><br>±Z |       |       |      |
|                                      |              |              |  | HUA LIAN WEI TECHNOLOGY ELECTRONICS CO.,LTD.                                      |  |                      |       |       |      |
|                                      |              |              |  |                                                                                   |  |                      |       |       |      |
| APPROVED                             |              |              |  | PART NAME:                                                                        |  | USB AM SMT           |       |       |      |
| CHECKED                              |              |              |  | PART No:                                                                          |  | U212-012X-XXX0XR     |       |       |      |
| DRAWED                               | pengchaoyong |              |  | PROJECTION:                                                                       |  | UNIT:                | SCALE | SHEET | REV. |
| DATE                                 | 2015.03.03   |              |  |  |  | mm                   | 1:1   | 10F1  | A    |