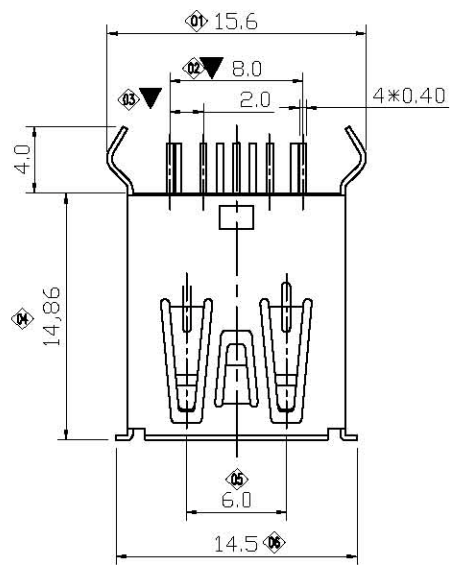


# NOTE:

## 1 MATERIAL:

1.1 INSULATOR: PBT UL94V-0

1.2 CONTACT BRONZR(T=0.25mm)

1.3 SHELL: SPCC(T=0.30mm)

1.4 SHELL: BRASS(T=0.30mm)

## 2 ELECTRICAL CHARACTERISTICS:

2.1 CONTACT RESISTANCE: 30mΩ MAXIMUM

2.2 CONTACT CURRENT RATING: 1.5A

2.3 DIELECTRIC WITHSTANDING VOLTAGE: 500V R.M.S.

2.4 INSULATION RESISTANCE 1000 MEGOHMS MIN

2.5 OPERATING TEMPERATURE: -40°C ~ 85°C

## 3 MECHANICAL CHARACTERISTICS:

3.1 MATING FORCE: 3.57kg MAX

3.2 UNMATING FORCE: 1.02kg MIN

3.3 DURABILITY: MANDATORY: 5000 CYCLES

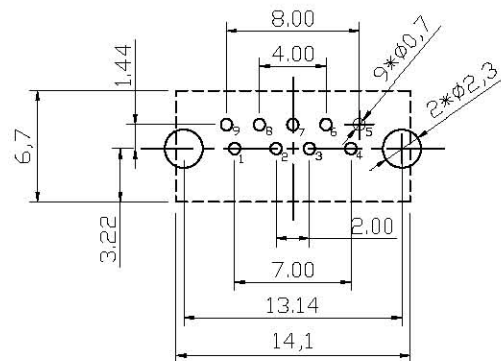
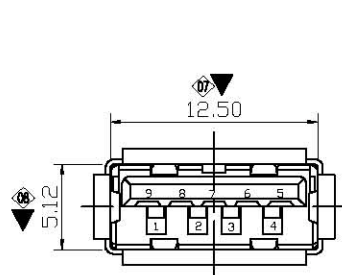
## 4. PLATING

4.1 TERMINAL: GOLD FLASH ALL OVER 50U" MIN

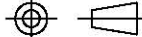
NICKEL AND 1U" MIN TIN ALL OVER 50U" MIN NICKEL

ON SOLDER AREA

4.2 SHELL: 150U" MIN. NICKEL OVER 20U" MIN COPPER



P C B LAYOUT

|                                            |                |                                                                                       |                              |                                |                |
|--------------------------------------------|----------------|---------------------------------------------------------------------------------------|------------------------------|--------------------------------|----------------|
| 2011/09/13                                 | XIE            |                                                                                       | NEW DWG                      |                                | AO             |
| DATE                                       | DR.BY          | ECN.NO.                                                                               | DESCRIPTION                  | MARK                           | VER.           |
| -TOLERANCES-<br>UNLESS OTHERWISE SPECIFIED |                | CnC Tech , LLC                                                                        |                              |                                |                |
|                                            |                |  |                              | TITLE: USB 3.0 A/F DIP180 15U" |                |
| X.X ±0.30                                  | X.X" ±3.00"    | APPD:                                                                                 | PRODUCT NO: 1003-001-0100180 |                                |                |
| X.XX ±0.15                                 | X.XX" ±1.00"   | CHECK:                                                                                | DATE                         | SCALE                          | UNIT TYPE PAGE |
| X.XXX ±0.100                               | X.XXX" ±0.500" | DRAW:                                                                                 | 2011/09/13                   | 1:1                            | mm Z 1/1       |