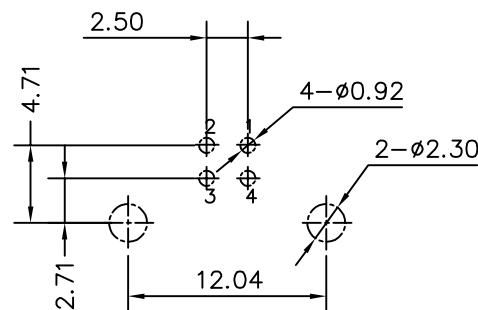
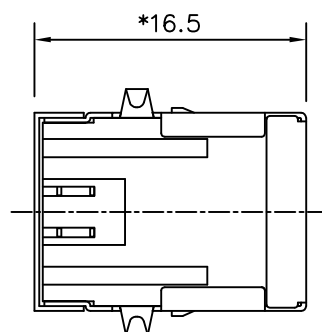
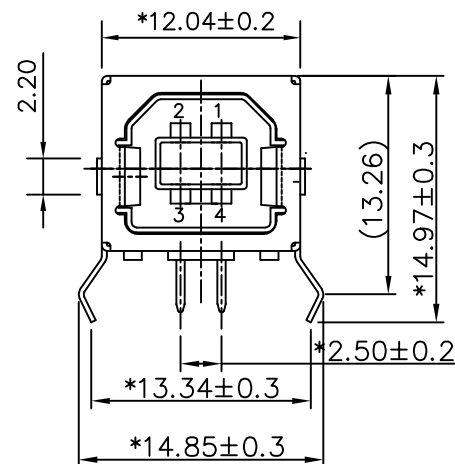
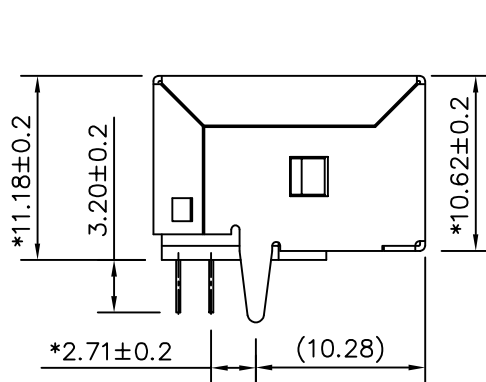


| REVISION RECORD |                      |                    |
|-----------------|----------------------|--------------------|
| REV             | DESCRIPTION          | DRFT               |
| 11              | OLD DRAWING CHECK IN | APFU<br>10/12/07   |
| 12              | MODIFY DRAWING       | Yuki<br>9/19/08    |
| 13              | REASSIGN PIN NUMBER  | Victor<br>27/03/12 |



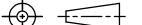
USB-PCB LAYOUT

#### NOTES:

- MATERIAL:**  
TERMINAL—C5191 PHOSPHOR BRONZE HARD.  
SHIELD—COPPER ALLOY  
HOUSING—PBT+30% G.F. UL94V-0
- PLATING:** CONTACT—GOLD PLATING OVER NICKEL  
TERMINAL—75u" Tin MIN OVER 50u"—100u" NICKEL  $\Delta$   
SHIELD—120u" TIN MIN OVER 50u" NICKEL.  
OR 100u"~120u" NICKEL OVER 40u" Cu.
- GAP:** 0.25mm (Max.)
- ELECTRICAL:**  
VOLTAGE RATING : 30 VAC RMS.  
CURRENT RATING : 1.0 AMP  
CONTACT RESISTANCE : 30 MILLIOHMS MAX  
INSULATION RESISTANCE : 1000 MEGOHMS MIN @500 VDC  
DIELECTRIC STRENGTH : 750 VAC RMS 60 HZ, 1 MIN  
OPERATING LIFE : 1500 CYCLES MIN  
MATING FORCE : 3.5 KGS MAX  
UNMATING FORCE : 1 KGS MIN
- ENVIRONMENTAL:**  
STORAGE : -40°C TO +85°C  
OPERATION : -40°C TO +85°C  
CAPACITANCE : 2 PF MAX 1KHZ  
WAVE SOLDER TEMPERATURE: 230-250°C.(3-5 SECONDS)  
RoHS COMPLIANT
- UL & CUL FILE NO. E163191**

OLD DRAWING NUMBER:GE813A02-LC

| ROHS P/N       | REV | MATERIAL  | SHIELD PLATING | PLATING |
|----------------|-----|-----------|----------------|---------|
| E8144-B01321-L | A   | PBT WHITE | PLATING NICKEL | Au3u"   |

|                |                                                                                       |  |             |                |                                                                                       |                |         |      |
|----------------|---------------------------------------------------------------------------------------|--|-------------|----------------|---------------------------------------------------------------------------------------|----------------|---------|------|
| DETACHED LISTS | <div>MM<br/>(INCH)</div>                                                              |  | DFTO SAMMY  | DATE 03/14/05  |  | RoHS Compliant |         |      |
|                | TOLERANCES EXCEPT AS NOTED                                                            |  | CHKD ALICE  | DATE 3/29/2012 |                                                                                       |                |         |      |
|                | MM                                                                                    |  | APPVLTIM    | DATE 3/29/2012 | TITLE USB Series B<br>4-Position Dip Type                                             |                |         |      |
|                | .0 ± 0.20<br>.00 ± 0.15<br>.000 ± 0.075                                               |  | MATERIAL :  |                |                                                                                       |                |         |      |
|                | ANGLES ± 0.5°                                                                         |  | QT'Y :      |                | DRAWING NO. E8144-B0XX2X-L2                                                           |                | SIZE    | REV  |
|                |  |  | FINISH :    |                | /PART NO. E8144-B0XX2X-L2                                                             |                | A3      | 13   |
|                | THIRD ANGLE PROJECTION                                                                |  | SCALE : 3:1 |                | DO NOT SCALE DRAWING                                                                  |                | SHEET 1 | OF 1 |