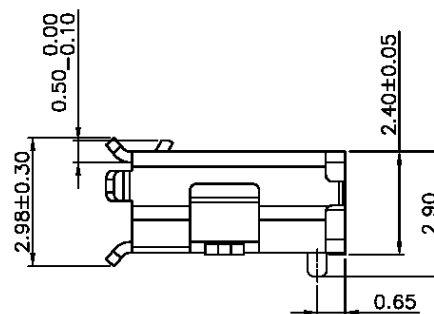
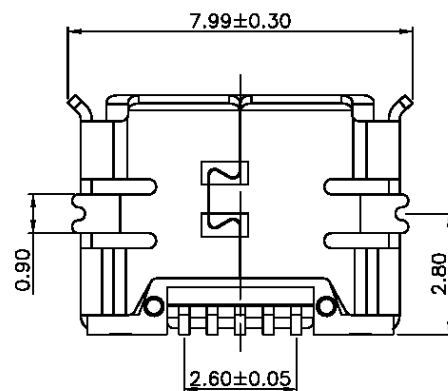
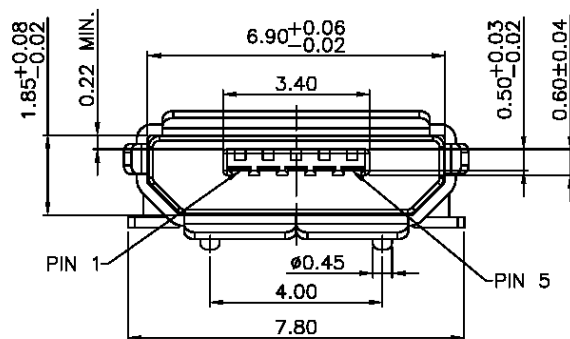
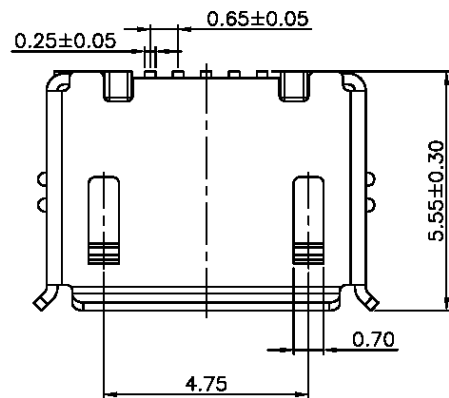
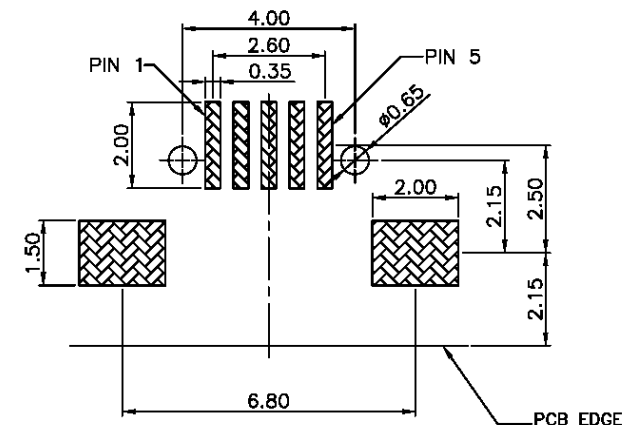


# RoHS DIRECTIVE



## NOTES:

1. MATERIAL:  
HOUSING: THERMOPLASTIC HIGH-TEMP UL94V-0 BLACK COLOR.  
CONTACT: COPPER ALLOY.  
SHELL: COPPER ALLOY.
2. FINISH:  
CONTACT: SEE TABLE 1.  
SHELL: 50u"~80u"Ni/80u"MIN. MATTE Tin PLATED OVER ALL.
3. APPLIED TO IR SOLDERING PROCESS.
4. SPECIFICATION:  
4.1.ELECTRICAL CHARACTERISTICS  
CONTACT CURRENT RATING: 1A MIN.  
VOLTAGE RATING: 30V AC rms.  
CONTACT RESISTANCE: 30mΩ MAX.  
DIELECTRIC WITHSTANDING VOLTAGE:  
UNMATEP CONTACT 100V AC rms. 60MHZ FOR 1 MINUTE.  
INSULATION RESISTANCE: 1000MΩ MIN. 100V DC  
TEMPERATURE RANGE: -20°C TO +85°C  
4.2.MECHANICAL:  
INSERTION FORCE: 35N MAX.  
WITHDRAWAL FORCE: 8N MIN.  
DURABILITY: 10,000 CYCLES



**RECOMMENDED PCB LAYOUT**  
TOLERANCE: ±0.03mm  
RECOMMEND PCB THICKNESS: 1.20mm

|                                                                                                   |       |            |                                                                                       |                                                         |     |                  |    |
|---------------------------------------------------------------------------------------------------|-------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------|-----|------------------|----|
| UNIT                                                                                              | mm    | Projection |  | S..... Second International Enterprise Co., Ltd.        |     |                  |    |
| TOLERANCES                                                                                        |       |            |                                                                                       | TITLE                                                   |     |                  |    |
| x. = ± 0.35      x ° = ±1 °<br>x.x = ± 0.25      x. x ° = ±0.5 °<br>x.xx = ±0.15<br>x.xxx = ±0.10 |       |            |                                                                                       | Micro USB B 5 Pin Female Right Angle SMT Type Connector |     |                  |    |
|                                                                                                   |       |            |                                                                                       | PART NO.                                                |     | MCUSB-SFM01-BP01 |    |
|                                                                                                   |       |            |                                                                                       |                                                         |     |                  |    |
|                                                                                                   |       |            |                                                                                       |                                                         |     |                  |    |
| DRAWN                                                                                             | Kevin | DATE       | 2010/10/21                                                                            |                                                         |     |                  |    |
| SCALE                                                                                             | N/A   | SIZE       | A4                                                                                    | SHEET                                                   | 1/1 | REV              | A1 |