



由Autodesk教育版产品制作

| DATE    | DR.BY | ECN.NO. | DESCRIPTION | MARK | VER. |
|---------|-------|---------|-------------|------|------|
| 3/29'16 |       |         | NEW DWG     |      | AO   |

NOTE:

1.MATERIAL:

1.1 INSULATOR:LCP UL 94 V-0;BLACK

1.2 CONTACT:C5191(T=0.20mm)

1.3 SHELL:SUS201(T=0.30mm)

2.ELECTRICAL CHARACTERISTICS;

2.1 Current Rating:1.8AMP at 250V AC

Voltage Rating:30V

2.2 Insulation Resistance:100MΩ Min

2.3 Contact Resistance:30mΩ Max

2.4 Dielectric Withstanding Voltage:100V AC

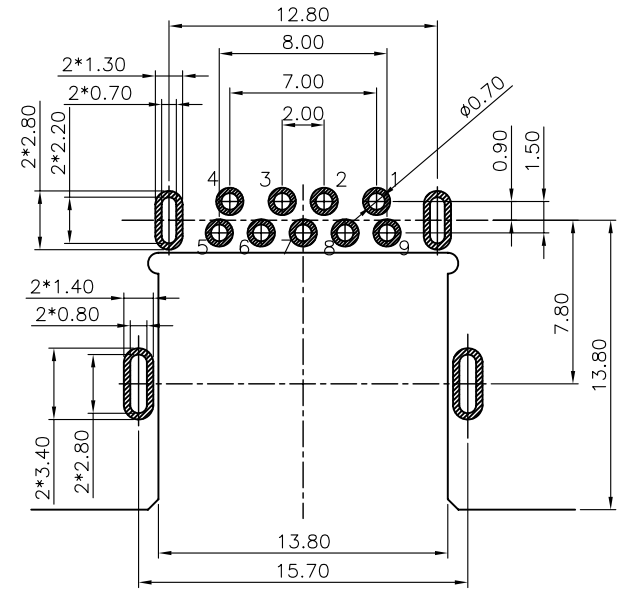
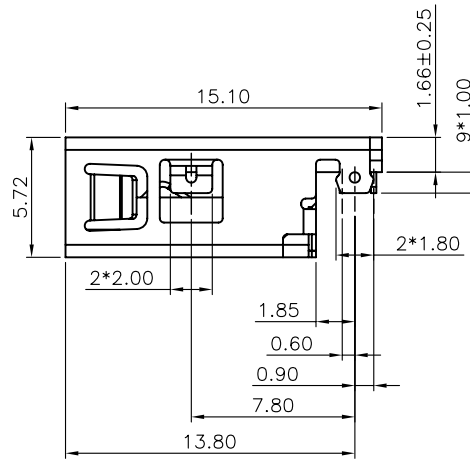
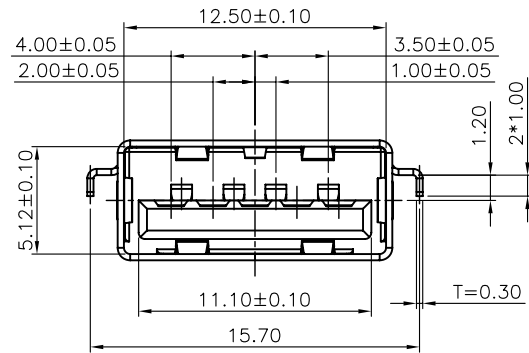
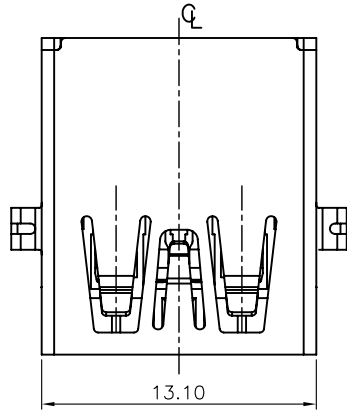
2.5 OPERATING TEMPEROTURE:-40°C ~ 85°C

3. MECHANICAL CHARACTERISTICS:

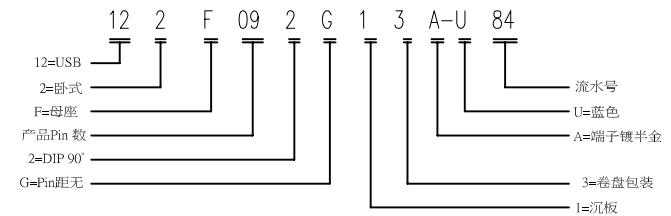
3.1 MATING FORCE:35 N Max

3.2 UNMATED FORCE:10 N Min INITIAL; 8 N Min AFTER TEST

3.3 DURABILITY:5,000 CYCLES



TOLERANCE:  $\pm 0.05$ , THICKNESS: 1.2mm  
RECOMMENDED PCB LAYOUT  
(TOP VIEW)



| Pin # | SIGNAL NAME | DESCRIPTION                              | MATING SEQUENCE |
|-------|-------------|------------------------------------------|-----------------|
| 1     | VBUS        | POWER                                    | SECOND          |
| 2     | D-          | USB 2.0 DIFFERENTIAL PAIR                | THIRD           |
| 3     | D+          |                                          |                 |
| 4     | GND         | GROUND FOR POWER RETURN                  | SECOND          |
| 5     | StdA_SS RX- | SUPERSPEED RECEIVER DIFFERENTIAL PAIR    | LAST            |
| 6     | StdA_SS RX+ |                                          |                 |
| 7     | GND_DRAIN   | GROUND FOR SIGNAL RETURN                 |                 |
| 8     | StdA_SS TX- | SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR |                 |
| 9     | StdA_SS TX+ |                                          |                 |
| Shell | Shield      | CONNECTOR METAL SHELL                    | FRIST           |

| ITEM | DESCRIPTION | QTY | MATERIAL | REMARK               |
|------|-------------|-----|----------|----------------------|
| 03   | CONTACT     | 9   | C5191    | T=0.20mm             |
| 02   | SHELL       | 1   | SUS201   | T=0.30mm             |
| 01   | HOUSING     | 1   | LCP      | UL94V-0; COLOR:BLACK |

| -TOLERANCES-               |                | 东 莞 市 龙 科 电 子 科 技 有 限 公 司             |                              |
|----------------------------|----------------|---------------------------------------|------------------------------|
| UNLESS OTHERWISE SPECIFIED |                | DONGGUAN LONGKE ELECTRONICS CO.,LTD : |                              |
| 公差参考表                      |                | TITLE: USB 3.0 AF沉板式 过高频              |                              |
| X.X ±0.25                  | X.X° ±3.00°    | APPD: 核准:                             | PRODUCT NO: 122-F092G13A-U84 |
| X.XX ±0.20                 | X.XX° ±1.00°   | CHECK:dd 校对:                          | DATE SCALE UNIT TYPE PAGE    |
| X.XXX ±0.10                | X.XXX° ±0.500° | DRAW: 罗求新                             | 2016.03.29 1:1 mm CD 1/1     |