

| REVISIONS |         |          |                 |            |        |
|-----------|---------|----------|-----------------|------------|--------|
| REV.      | ECN NO. | LOCATION | DESCRIPTION     | DATE       | DESIGN |
| A0        | N/A     |          | INITIAL RELEASE | 2026.01.30 | 阿树     |
| /         | N/A     |          | /               | /          | /      |

A

A

B

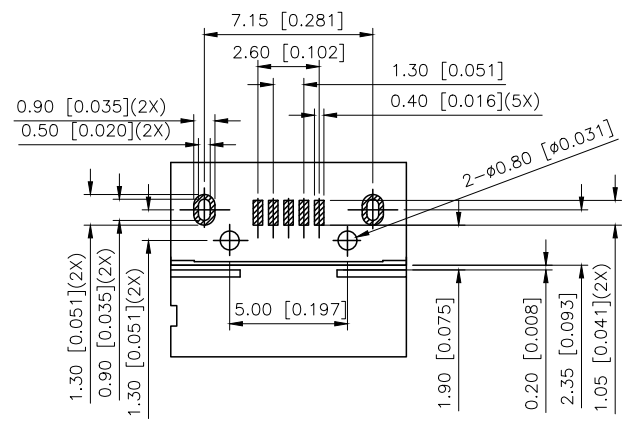
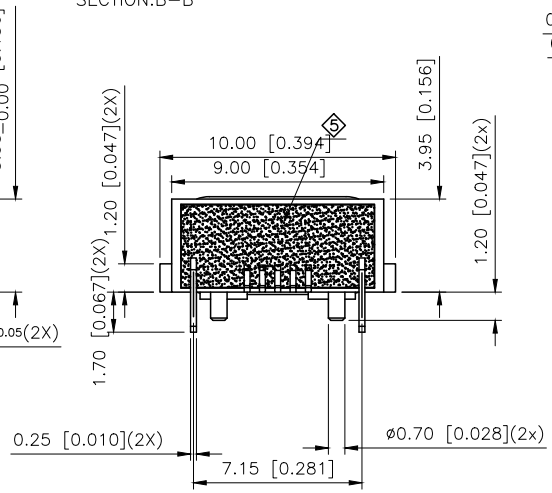
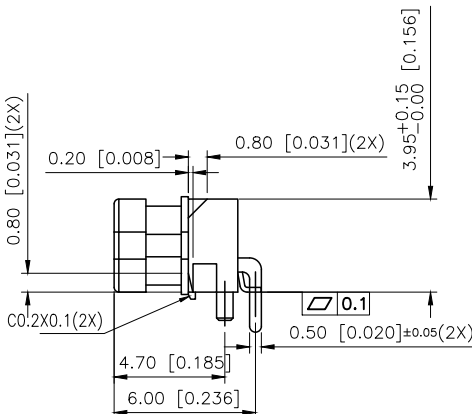
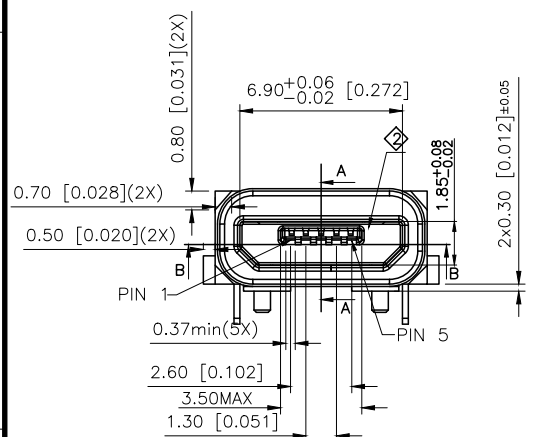
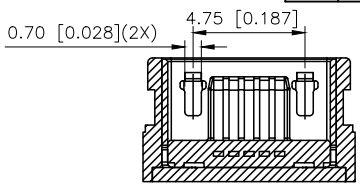
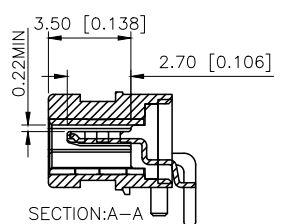
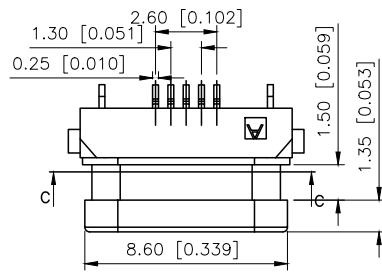
B

C

C

D

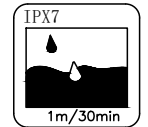
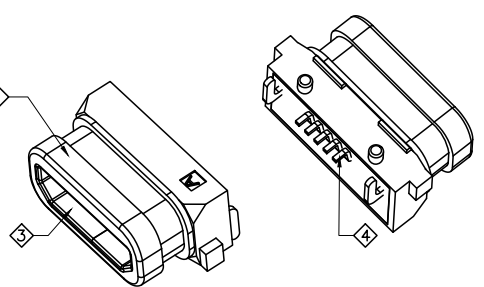
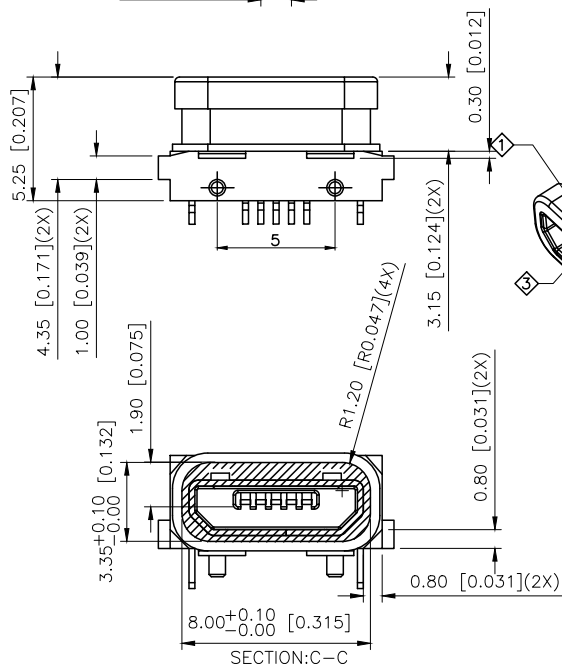
D



RECOMMENDED PCB LAYOUT, COMPONENT SIDE  
TOLERANCE ±0.05

SPECIFICATIONS:

- ELECTRICAL CHARACTERISTICS:
  - RATING: 1.8A (PIN1/5), 0.5A (PIN2/3/4)
  - CONTACT RESISTANCE: 30mΩ MAX.(INITIAL)
  - DIELECTRIC WITHSTANDING VOLTAGE: 300V AC FOR ONE MINUTE.
  - INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 500 VDC
- MECHANICAL CHARACTERISTICS:
  - INSERTION FORCE : 3.6 KGF (MAX)
  - WITHDRAWAL FORCE : 0.8 KGF(MIN)
- DURABILITY: 10,000 CYCLES
- WATER PROOFNESS: THIS PRODUCT IS BASED ON IPX7(1m,30min)
- PLUG INTERFACE DIMENSIONS CONFORM TO USB2.0 SPEC.
- OVAL RING
  - The amount of low molecular siloxanes(D3~D10)is less than 200ppm
  - Hardness of silicone rubber: 50°±5°
  - Burrs of silicone rubber: 0.1mm max
- FOR REFLOW SOLDERING LEAD-FREE PROCESS.
- PACKAGING: TAPE & REEL.



|                        |       |
|------------------------|-------|
| AuGLAR                 | ±5°   |
| X.                     | ±0.40 |
| X.x                    | ±0.30 |
| X.xx                   | ±0.20 |
| X.xxx                  | ±0.15 |
| UNSPECIFIED TOLERANCES |       |



|      |                |           |     |                    |                                                                                             |
|------|----------------|-----------|-----|--------------------|---------------------------------------------------------------------------------------------|
| ◇    | BOND           | ----      | 1   | ----               | ----                                                                                        |
| ◇    | CONTACT        | No.1-No.5 | 5   | C2680 T=0.20       | Under plating: Ni plating<br>Contact area: Gold flash plating<br>Soldering area: Sn plating |
| ◇    | SHELL          | ----      | 1   | SUS304 T=0.25      | 1st: Cu,<br>2nd: Ni PLATED                                                                  |
| ◇    | INSERT MOLDING | ----      | 1   | LCP(E130I,BLACK)   | UL-94V-0                                                                                    |
| ◇    | HOUSING        | ----      | 1   | PA9T(GP2450,BLACK) | UL-94V-0                                                                                    |
| ITEM | PART NAME      | TERMINAL  | QTY | MATERIAL           | REMARK                                                                                      |

|          |    |       |       |             |              |
|----------|----|-------|-------|-------------|--------------|
| DESIGN   | 阿树 | VIEW: |       | MODEL TYPE: | MICRO USB    |
| CHECKED  |    | UNIT: | mm/in | PART NO.:   | U-E-M7SS-Y-5 |
| APPROVED |    | SIZE: | A4    | DWG NO.:    |              |