



SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:
  - 1-1. RATING: 1.8A (PIN1/5), 0.5A (PIN2/3/4)
  - 1-2. CONTACT RESISTANCE: 30mΩ MAX.(INITIAL)
  - 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC FOR ONE MINUTE.
  - 1-4. INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 500 VDC
2. MECHANICAL CHARACTERISTICS:
  - 2-1. INSERTION FORCE : 3.6 KGF (MAX)
  - 2-2. WITHDRAWAL FORCE : 0.8 KGF(Reference)
3. DURABILITY: 10,000 CYCLES .
4. WATER PROOFNESS:THIS PRODUCT IS BASED ON IPX7(1m,30min)
5. PLUG INTERFACE DIMENSIONS COMFORM TO USB2.0 SPEC.
6. OVAL RING
  - 6-1. The amount of low molecular siloxanes(D3~D10)is less than 200ppm
  - 6-2. Hardness of silicone rubber:70°
7. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
8. PACKAGING: TAPE & REEL.



| ITEM | PART NAME      | TERMINAL    | QTY | MATERIAL                  | REMARK  |
|------|----------------|-------------|-----|---------------------------|---|
| ①    | BOND           | ---         | 1   | ---                       | ---   |
| ②    | Oval ring      | ---         | 1   | ---                       | ---   |
| ③    | CONTACT        | No.1 - No.5 | 5   | Copper Alloy<br>T=0.20    | Under plating: Ni plating<br>Contact area: Gold flash plating<br>Soldering area: Sn plating |
| ④    | SHELL          | ---         | 1   | Stainless Steel<br>T=0.25 | 1st: Cu,<br>2nd: Ni PLATED  |
| ⑤    | INSERT MOLDING | ---         | 1   | PA9T(BLACK)               | UL-94V-0  |
| ⑥    | HOUSING        | ---         | 1   | PA9T(BLACK)               | UL-94V-0  |

| MARK | DESCRIPTION | DATE | REVISED | APPROVED | UNSPECIFIED TOLERANCES | DSND | DATE | SCALE: N/A | MODEL TYPE: MICRO USB |
|------|-------------|------|---------|----------|------------------------|------|------|------------|-----------------------|
| Δ X  |             |      |         |          | ANGLAR ±5°             | DWN  | DATE | VIEW:      | PART NO.:             |
| Δ X  |             |      |         |          | L ≤ 4 ±0.2             | CHKD | DATE | UNIT: mm   | DWG NO.:              |
| Δ X  |             |      |         |          | 4 < L ≤ 16 ±0.3        | APPD | DATE | SIZE: A4   | U-E-M7SS-Y-4          |
| MARK |             |      |         |          | 16 < L ≤ 63 ±0.4       |      |      |            | WEIGHT 1.0g           |
|      |             |      |         |          | L > 63 ±0.5            |      |      |            | SHEET 1/1             |
|      |             |      |         |          |                        |      |      |            | REVISION A0           |

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