

RECOMMENDED P.C.B. LAYOUT  
TOLERANCE UNSPECIFIED ±0.05mm

NOTE:

- ELECTRICAL CHARACTERISTICS
  - 1-1. VOLTAGE RATING: 30V AC
  - 1-2. CURRENT RATING: 2.0A
  - 1-3. CONTACT RESISTANCE: 50 milliohms MAX.
  - 1-4. INSULATION RESISTANCE: 100 Megohms MIN.
  - 1-5. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR 1 MINUTE.
- MECHANICAL CHARACTERISTICS
  - 2-1. MATING&UMATING FORCE: 0.7kgf~3.5kgf
  - 2-2. DURABILITY: 10000CYCLES
- SALT SPRAY: 24H
- OPERATING TEMPERATURE: -40°C~85°C
- RoHS 2002/95/EC COMPLIANT.
- MPQ : 800PCS/REEL.

PIN DEFINE:

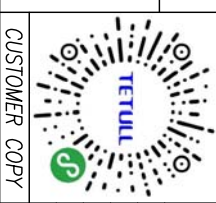
| PART | Upper five pin(usb standard) |    |    |    |     | below five pin(extended function) |    |    |    |    |
|------|------------------------------|----|----|----|-----|-----------------------------------|----|----|----|----|
|      | P2                           | P4 | P6 | P8 | P10 | P1                                | P3 | P5 | P7 | P9 |
| USB  | VBUS                         | D- | D+ |    | GND |                                   |    |    |    |    |

|    |             |     |                       |  |
|----|-------------|-----|-----------------------|--|
| C  | SHIELD      | 1   | SPEC 0.30T            | Ni&Tin PLATED  |
| B  | TERMINAL    | 10  | COPPER ALLOY 0.15T    | Gold Flash On Contact Area<br>Tin plated on Solder tail<br>All over Nickel Plated. |
| A  | HOUSING     | 1   | THERMOPLASTIC UL94-V0 | BLACK  |
| NO | DESCRIPTION | QTY | MATERIAL              | PLATING & COLOR  |

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES:

X : ±0.5 X : ±2°  
X.X : ±0.3 X.X : ±1'  
X.XX : ±0.2 X.XX : ±0.2



TITLE: Mini usb FM 10P SMT TYPE

|          |              |
|----------|--------------|
| PART NO. | 1031001GR002 |
| DWN      | ARES         |
| CHKD     | 2015.09.25   |
| APVD     |              |

SCALE 1:1 UNIT: mm

CUSTOMER COPY SHEET: 10F1 REV: A