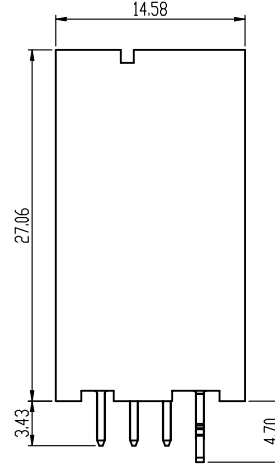
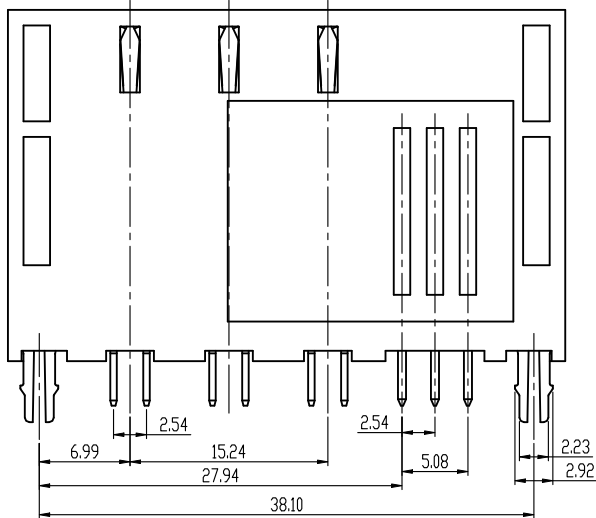
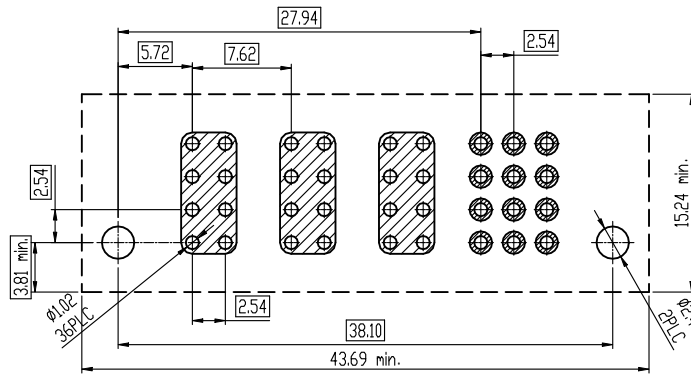
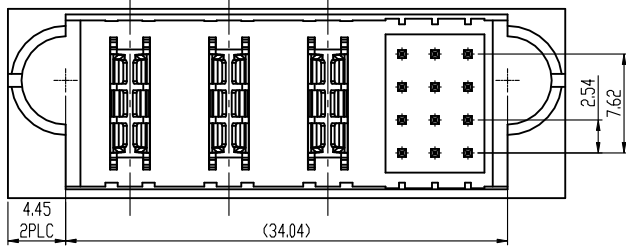


Performance characteristics:

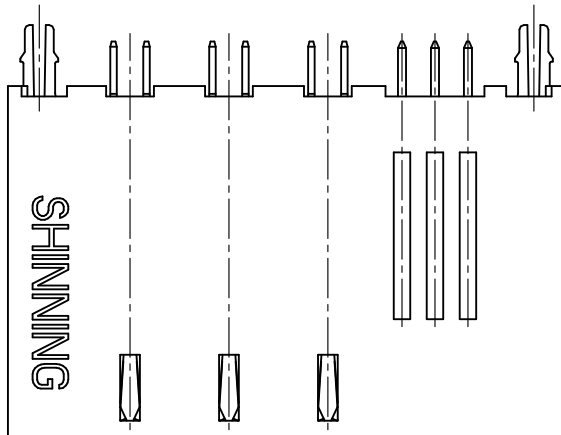
- Main body part material
  - Insulator: LCP black UL94V-0
  - Terminal-Power: High conductivity Copper alloy, 1.27 μm Ni under plated, contact area plating Au 0.76 μm, Tail plating Sn.
  - Terminal-Signal: Copper alloy, 1.27 μm Ni under plated, contact area plating Au 0.76 μm, Tail plating Sn.
- Electrical requirements:
  - Current rating: High Power Pin: 50.0A/Pin  
Signal Pin: 1.0A/Pin
  - Contact resistance: High Power Pin ≤ 10 mΩ (initial)  
Signal Pin ≤ 20 mΩ (initial)
  - Insulation resistance: High Power Pin ≥ 1000 MΩ  
Signal Pin ≥ 500 MΩ
  - Withstanding voltage: High Power Pin 2500 Vr.m.s, 1mA, 60s  
Signal Pin 1000 Vr.m.s, 1mA, 60s



- Mechanical requirements:
  - Insertion force: ≤ 42N
  - Extraction force: ≥ 15.6N
  - Mechanical life: 200 cycles
- Environment specification:
  - Working temperature: -55°C ~ +125°C
- Packing & storing:
  - Method of packing: Tray, outer box
  - Storing condition: temperature of -10°C ~ +40°C below 80% relative humidity
- Style of installation: THT/PIP pcb Installation.
- To prevent the pollution of the environment product info  
RoHS agreement: In line with the european union RoHS.



RECOMMENDED PCB LAYOUT (±0.05)



Unless otherwise specified tolerance:

|     |       |     |     |
|-----|-------|-----|-----|
| X.  | ±0.50 | X.° | ±3° |
| .X  | ±0.38 | .X° | ±2° |
| .XX | ±0.25 |     |     |

|      |     |               |           |            |
|------|-----|---------------|-----------|------------|
| Mark | NO. | File NO.      | Signature | Date       |
| DRAW | CHK | TANG JIANPING |           | 2024.05.15 |
| MAN  | STD |               |           |            |
| APP  |     |               |           |            |

Power Connector Vertical  
Solder With Latch, Plug  
(3P High Power+12P Signal)

1373-331-28-3

SL0.1373.006

|            |      |        |       |
|------------|------|--------|-------|
| Projection | Rev. | Weight | Scale |
|            | A0   |        |       |

All Dimensions in mm Sheet 1 of 1

