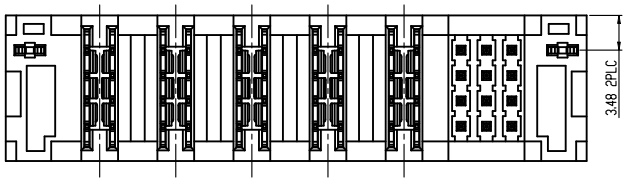
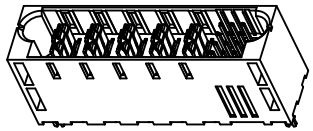
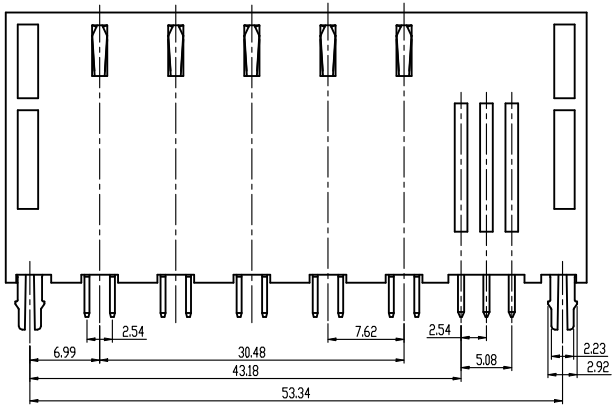
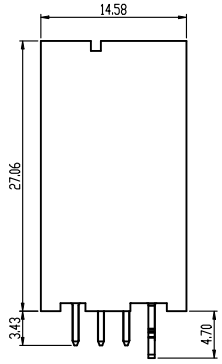
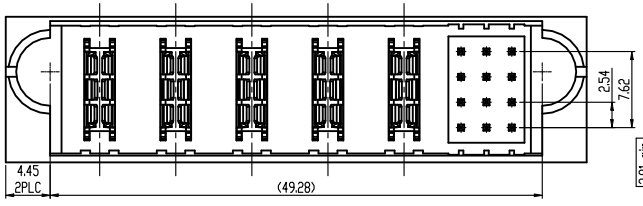
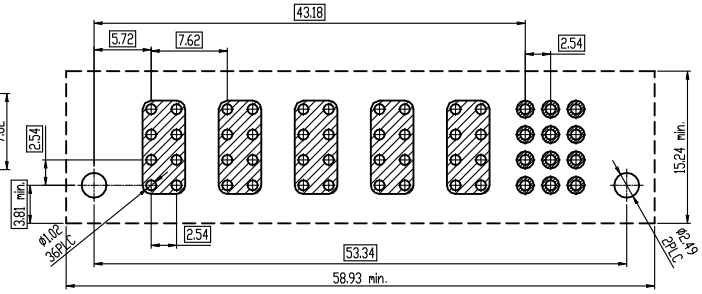




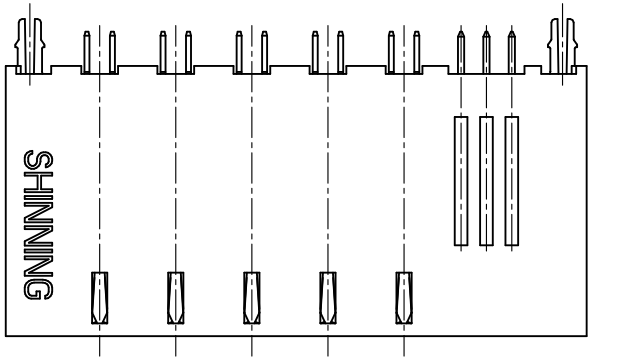








RECOMMENDED PCB LAYOUT(±0.05)



Performance characteristics:

1. Main body part material
   Insulator: LCP black UL94V-0
   Terminal-Power: High conductivity Copper alloy,
   1.27μm Ni under plated,contact area plating Au 0.76μm,
   Tail plating Sn.
   Terminal-Signal:Copper alloy.
   1.27μm Ni under plated,contact area plating Au 0.76μm,
   Tail plating Sn.
2. 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
3. Mechanical requirements
   Insertion force: ≤62N
   Extraction force: ≥24.4N
   Mechanical life: 200 cycles
4. Environment specification
   Working temperature: -55℃～+125℃
5. Packing & storing
   Method of packing: Tray, outer box
   Storing condition: temperature of -10℃～+40℃
   below 80% relative humidity
6. Style of installation: THT/PIP pcb Installation.
7. To prevent the pollution of the environment product info
RoHS agreement:In line with the european union RoHS.

Unless otherwise specified tolerance:

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

Mark	NO.	File NO.	Signature	Date
DRAW		TANG JIANPING 2023.08.15		
CHK				
MAN				
STD				
APP				

Power Connector Vertical Solder With Latch, Plug (5P High Power+12P Signal)

1373-531-28-3

SL0.1373.007

Projection	Rev.	Weight	Scale
	A0		

All Dimensions in mm | Sheet 1 of 1

SHINNING SHENZHEN SHINNING ELECTRONIC CO.,LTD.