



RECOMMENDED PCB LAYOUT (± 0.05)

Unless otherwise specified tolerance:

X.	± 0.50	X.°	$\pm 3^\circ$
.X	± 0.38	.X°	$\pm 2^\circ$
.XX	± 0.25		

- 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 $\leq 10 \text{ m}\Omega$ (initial)
 - Signal Pin $\leq 20 \text{ m}\Omega$ (initial)
 - Insulation resistance: High Power Pin $\geq 1000 \text{ M}\Omega$
 - Signal Pin $\geq 500 \text{ M}\Omega$
 - Withstanding voltage: High Power Pin 2500 Vr.m.s, 1mA, 60s
 - Signal Pin 1000 Vr.m.s, 1mA, 60s
 - Mechanical requirements
 - Insertion force: $\leq 42\text{N}$
 - Extraction force: $\geq 15.6\text{N}$
 - Mechanical life: 200 cycles
 - Environment specification
 - Working temperature: $-55^\circ\text{C} \sim +125^\circ\text{C}$
 - Packing & storing
 - Method of packing: Tray, outer box
 - Storing condition: temperature of $-10^\circ\text{C} \sim +40^\circ\text{C}$
 - below 80% relative humidity
 - Style of installation: Press fit pcb Installation.
 - To prevent the pollution of the environment product info
 - RoHS agreement: In line with the european union RoHS.

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

Power Connector Vertical
Press fit With Latch, Receptacle
(3P High Power+12P Signal)

1373-332-48-3

SLO. 1373. 004			
Projection	Rev.	Weight	Scale
	S0		
All Dimensions in mm		Sheet 1 of 1	
SHINNING SHENZHEN SHINNING ELECTRONIC CO.,LTD.			