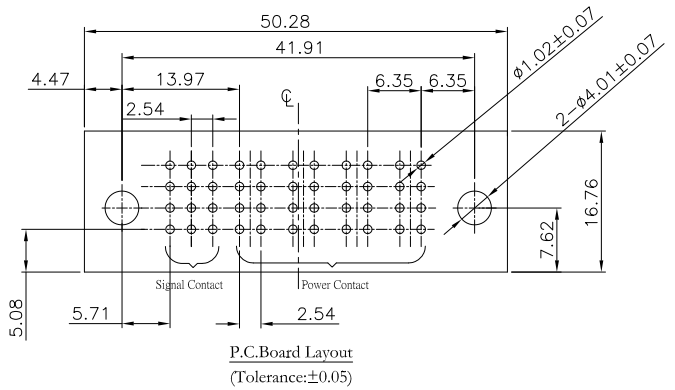
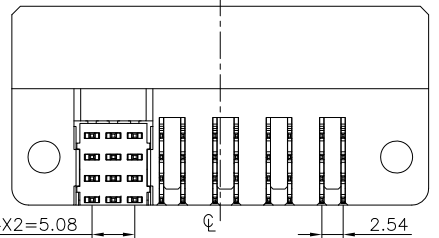


Section:A-A  
Scale:1:1



9391-A 1 S12 P04 CB 30 D A -A041  
 Series 1: Male Right-angle  
 Blank:Without Contact  
 Signal Contact: S<sub>xx</sub>  
 No. of position  
 Blank:Without Contact  
 Power Contact: H<sub>x</sub>, P<sub>x</sub>, A<sub>x</sub>  
 No. of position  
 Internal Code  
 A: Tray Package  
 D: Dip Type  
 30: 30u"  
 CB: Dip Tin Plated  
 Contact Au+Pd/Ni Plated

Tolerances	Dwg. No.	9391-D0000-354	
x = ±0.5	Projection		
.x = ±0.25	Unit	mm	Scale 1:1
.xx = ±0.15	Drawn By	GYJ 01/05'23	

Title: 9391 Series  
Male Right-angle Dip Type

REV.	SPECIFICATION	ECN NO.	APPD.
R1		ECN230114	

**Material:**  
 Housing: LCP, UL94V-0, BLACK.  
 Power Contacts: High Conductivity Copper, 30u"Au+Pd/Ni on Contact Area and 80u" Min Tin Plated on Solder Tail over Nickel 50u" Min.  
 Signal Contacts: Brass, 30u"Au+Pd/Ni on Contact Area and 80u" Min Tin Plated on Solder Tail over Nickel 50u" Min.

**Electrical Characteristics:**  
 Current Rating: Signal Pin 2.5 AMP.  
 Power Pin 30 AMP.  
 Dielectric Withstanding Voltage:  
 Signal Pin DC 1000V For 1 minute.  
 Power Pin DC 2500V For 1 minute.  
 Insulator Resistance: Signal Pin 5000MΩ min. at DC 500V.  
 Power Pin 20000MΩ min. at DC 500V.  
 Contact Resistance: Signal Pin 15mΩ max. at DC 20mA.  
 Power Pin 0.7mΩ max. at DC 20mA.  
 Operating Temperature: -40°C ~+105°C.

**\*RoHS Compliant**  
 Notes 1 :  
 H: High density Power---PCB Mount 5.08mm Pitch  
 P: DC Power---PCB Mount 6.35mm Pitch  
 A: AC Power---PCB Mount 7.62mm Pitch  
 S: Signal---PCB Mount 2.54mm Pitch  
 Notes 2 :  
 A1 Contact Length is 5.59mm.  
 Other Pin Contact Length is 6.86mm.  
 Plastic reduction to prevent hitting the mechanism .  
 Add a rounded corner to the edge of the round hole.  
 Add a bevel to the edge of the insert side.

ROWS	SIGNAL			POWER			
	1	2	3	P1	P2	P3	P4
D	G	G	G	MS	MS	MS	MS
C	G	G	G				
B	G	G	G				
A	E	G	G				

SIGNAL PIN CONTACT LENGTH 4.32mm	H
SIGNAL PIN CONTACT LENGTH 5.59mm	E
SIGNAL PIN CONTACT LENGTH 7.05mm	F
SIGNAL PIN CONTACT LENGTH 6.86mm	G
HOT PLUG POWER CONTACT.STD	MS

**OUPIN**  
**OUPIN ELECTRONIC(KUNSHAN) CO., LTD.**  
 P/N: 9391-A1S12P04CB30DA-A041  
 SHEET 1/1 Ver. No. R1