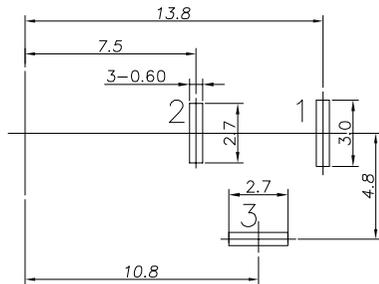
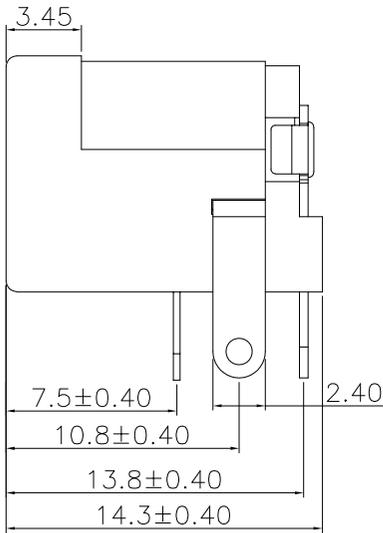
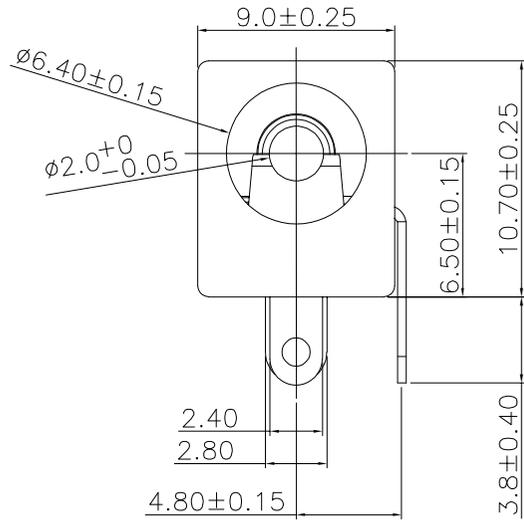
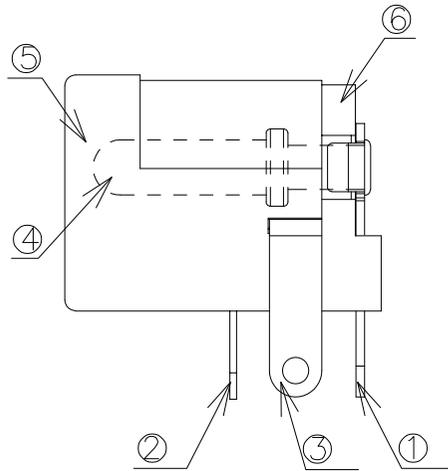


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2024/07/02	Ryan
A0.1			Upgrade voltage rating from 21V to 30V	2024/10/09	Ryan

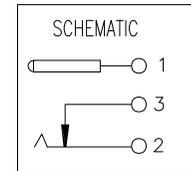
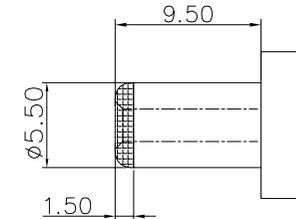
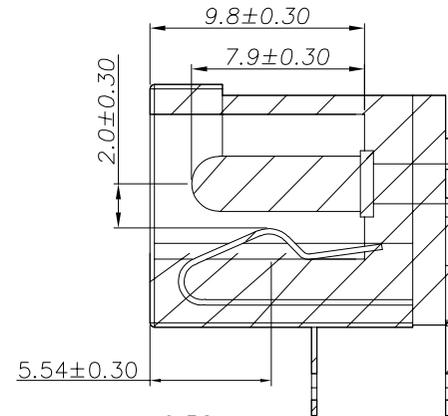


PCB LAYOUT TOP VIEW



## SPECIFICATION:

1. Rating : DC 30V 8.0A
2. Contact resistance:  $\leq 0.03\Omega$ ;
3. Insulation resistance:  $\geq 100M\Omega$  (DC500V);
4. Withstand voltage: 500VAC ;
5. Insertion and extraction force: 3-30N;
6. life test: 5,000 cycles.
7. Operation temperature:  $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$   
(Including Temperature Rise)



MATE PLUG

⑥	COVER	1	PA9T UL94V-0	BLACK
⑤	HOUSING	1	PA9T UL94V-0	BLACK
④	PIN	1	BRASS	Ni-Plated
③	TERMINAL	1	BRASS t=0.30	CuSn-Plated
②	TERMINAL	1	PHOSPHOR BRONZE t=0.25	CuSn-Plated
①	TERMINAL	1	BRASS t=0.35	CuSn-Plated
NO.	DESCRIPTION	QTY	MATERIAL	REMARK



Matrix Electronics Co.,Ltd

TOLERANCE: X: X ±0.50 X.X ±0.40 X.XX ±0.30 X.XXX ±0.20 ANGLE: ±5°	DESIGN BY : Ryan Lu	DATE : 2024/07/02	PART NAME: DC POWER JACK	
	CHECKED BY: Vicky Hsieh	DATE : 2024/07/02	PART NO.	MSPDCJ2023T
	APPROVED BY1: Richard Hsieh	DATE : 2024/07/02	MOLD NO.	NA
UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY2: Richard Hsieh	DATE : 2024/07/02	DRAW NO.	
			SHEET NO.	1 OF 1