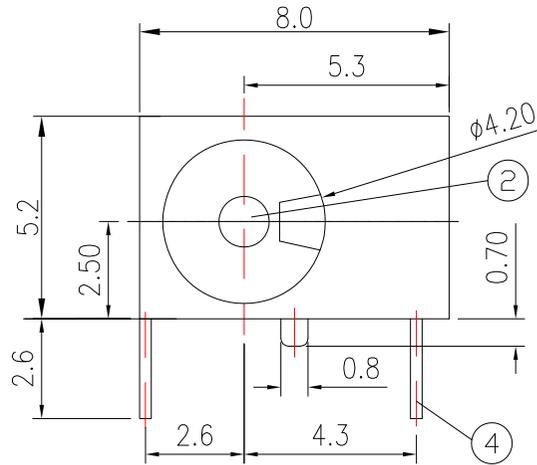
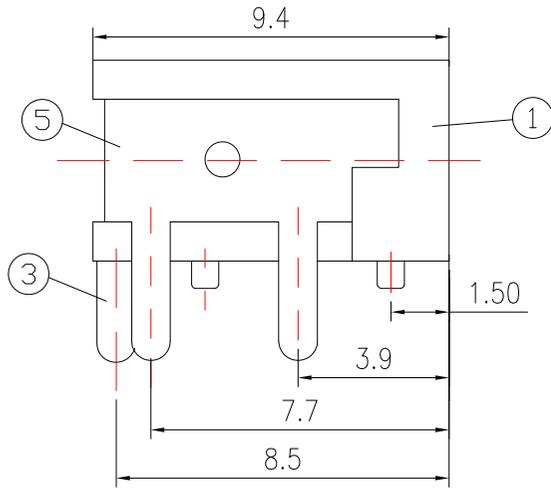


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2021/08/10	Hanson



Notes:

1. Electrical Characteristics:

- 1-1. Rating : DC 20 V 1 A ;
- 1-2. Contact Resistance: 50mΩ Max.(Initial),
100mΩ Max.(Final) After test: ≤50mΩ ;
- 1-3. Dielectric Withstanding Voltage: 500V AC for One Minute ;
- 1-4. Insulation Resistance: 100MΩ Min. Measured By 500 VDC;

2. Mechanical Characteristics:

- 2-1. Plug Insertion Force 0.3~3.0Kgf (initial),
0.3~2.0Kgf (Final) life test;
- 2-2. Plug Extraction Force: 0.3~3.0Kgf (initial),
0.3~2.0Kgf (Final) life test;

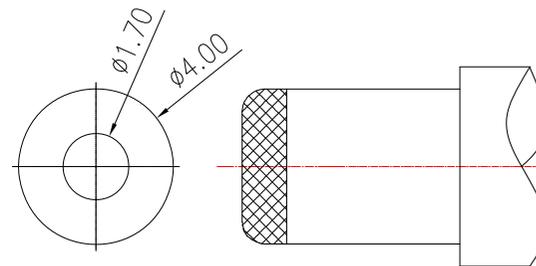
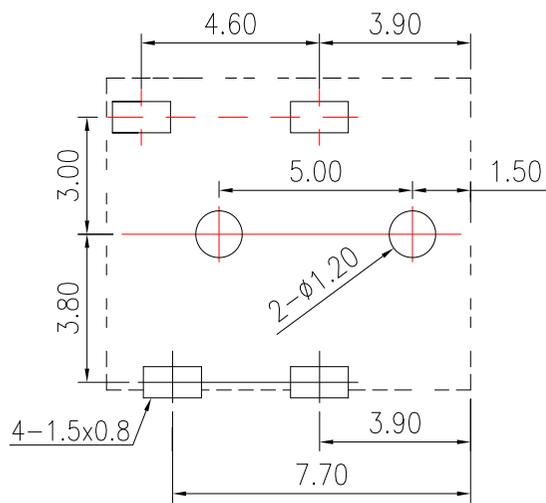
3. Durability Test: 5,000 Cycles min;

4. Operating temperature:-25°C ~ +85°C;

5. Soldering Heat Resistance Wave Soldering 230°C;

6. Plug Interface Dimensions Conform To EIAJ RC-5321 Spec;

7. Packaging: Plastic Bag;



DC PLUG-REF

PIN	SCHEMATIC
φ1.65	

Recommend of PC Board Holes

Tolerance : ±0.05(Top view)

LTR	PART NAME	QTY	MATERIAL	REMARK
5	SHUNT TERMINAL	1	COPPER ALLOY	Ag PLATED
4	TIP SPRING	1	COPPER ALLOY	Ag PLATED
3	CENTER PIN TERMINAL	1	COPPER ALLOY	Ag PLATED
2	CENTER PIN	1	COPPER ALLOY	Sn PLATED
1	HOUSING	1	PBT	UL-94V0(BLACK)



Matrix Electronics Co.,Ltd

TOLERANCE:	DESIGN BY :	DATE :	PART NAME:
X.X ±0.25	Hanson Huang	2021/08/10	DC POWER JACK
X.XX ±0.20	CHECKED BY:	DATE :	PART NO.
X.XXX ±0.15	Vicky Hsieh	2021/08/10	MKYDCJ272
ANGLE: ±3°	APPROVED BY1:	DATE :	MOLD NO.
	Richard Hsieh	2021/08/10	NA
UNIT: mm [inch]	APPROVED BY2:	DATE :	DRAW NO.
SCALE:1:1 SIZE:A4	Richard Hsieh	2021/08/10	SHEET NO.
			1 OF 1