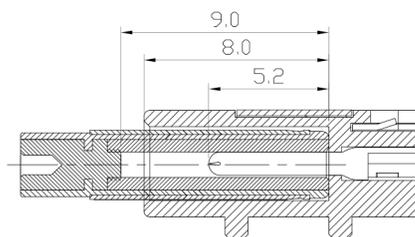
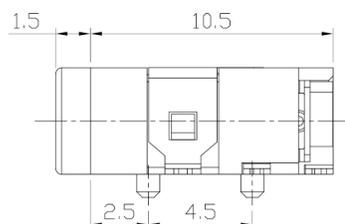
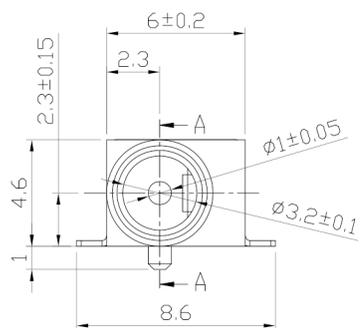




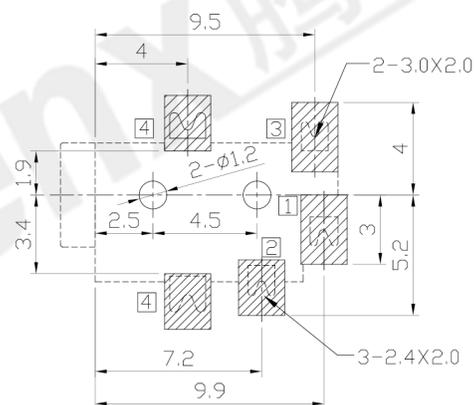
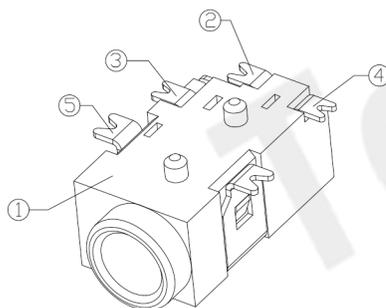
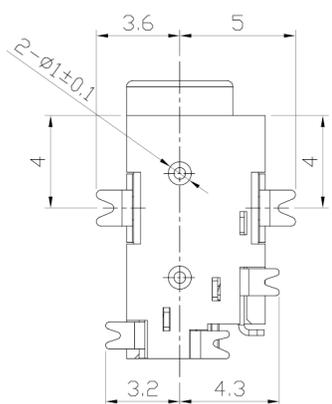
**RoHS Compliant**  
2002/95/EC

REV.	ECN.	NO.	APPD.

### DIMENSIONS



SEC:A-A



RECOMMENDED P.C.B. LAYOUT  
UNSPECIFIED TOLERANCE:±0.05  
(Copper-sided VIEW)

### MODEL CODE:

DCB0-00520- A C 9T BK S 0 1

(1) (2) (3)(4) (5) (6)(7)(8) (9)

(1):Series type:SMD DC POWER JACK.

(2):Series No.

(3):Schematic option: A,B

(4):Center pin diameter:  
C=φ1.0

(5):Material of housing:  
9T=PA9T(Standard)

(6):Housing color:  
BK=Black(Standard)

(7):Terminal plating:  
S=Silver(Ag), G=Gold(Au)

(8):Special option:  
0=No special option

(9):Packing mode:  
1=Reel packing

### Specification:

1.Rating : DC 12V 2.5A;

2.Contact resistance: ≤30mΩ;

After test:≤50mΩ

3.Insulation resistance: ≥100MΩ (500VDC);

After test:≥50MΩ

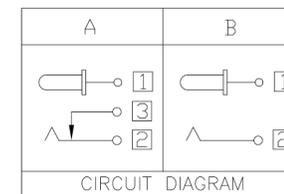
4.Withstand voltage: 500VAC ;

5.Insertion and extraction force: 3N~30N;

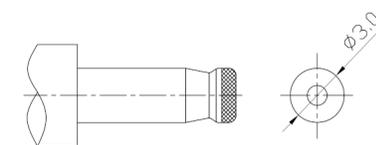
6.life test: 5000cycles min;

7.Operation temperature range:-20°C~70°C

8.Preservative temperature range:-40°C~85°C



CIRCUIT DIAGRAM



DC MATE PLUG

○: ITEM NO. □: TERMINAL NO.

⑤	Shield plate	Brass t0.25	1	Silver/Gold plating
④	Shunt terminal ③	Brass t0.25	1	Silver/Gold plating
③	Tip spring ②	Phosphor bronze t0.25	1	Silver/Gold plating
②	Center pin ①	Brass	1	Silver/Gold plating
①	Housing	PA9T UL94V-0	1	Black
NO.	PARTS	MATERIAL	Q'TY	FINISHING

TOLERANCE	ANGLES	UNITS	mm
±0.3	±2°	MAT'L	SEE NOTE
		FINISH	SEE NOTE
		Q'TY	

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### 东莞市腾兴电子有限公司

TITLE: SMD DC POWER JACK

PART NO.: DCB0-00520

DR: Ricky 2018/06/21

DWG NO.: AB0-00520

CHKD: Ricky 2018/06/21

APPD:

SCALE	SHEET	REV.	CUSTOMER DRAWING
1:1	1/1	A	