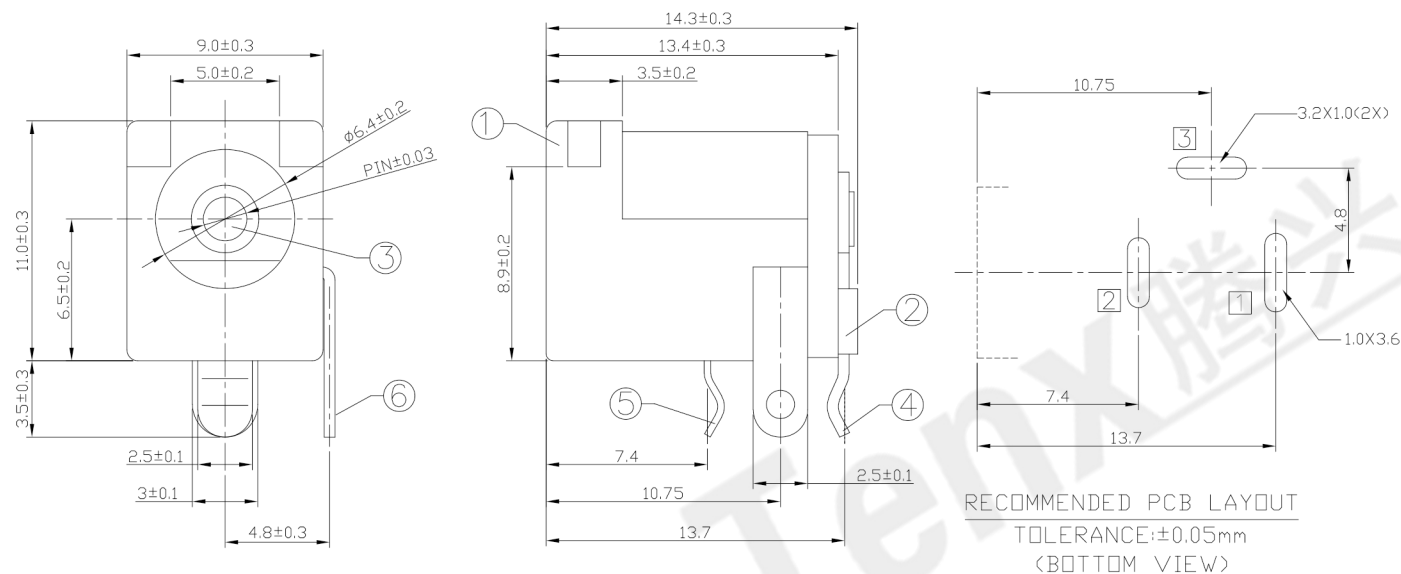




RoHS  
Compliant  
2002/95/EC

REV.	ECN.	NO.	APPD.

### DIMENSIONS



### MODEL CODE:

DCB0-0005G- A □ PB BK I 0 4

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

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

(2):Series No.

(3):Schematic option: A , B

(4):Center pin diameter:

H= $\phi 2.0$  , I= $\phi 2.35$  , J= $\phi 2.5$

(5):Material of housing:

PB=PBT (Standard)

(6):Housing color:

BK=Black , 2R=Red(0046) , 4H=Yellow(0039)

(7):Terminal plating

T=Tin(Sn)

(8):Special option:

0=No special option

(9):Packing mode:

4=Bag packing

### Specification:

1.Rating : DC 20V/2.5A.

2.Contact resistance:  $\leq 30m\Omega$

After test: $\leq 50m\Omega$

3.Insulation resistance:  $\geq 100M\Omega$  (500VDC).

After test: $\geq 50M\Omega$

4.Withstanding voltage: 500VAC.

5.Insertion and extraction force: 3N-30N.

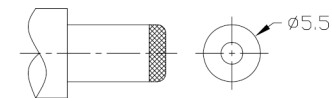
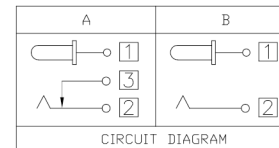
6.Life test: 5000 cycles min.

7.Operation temperature range: $-20^{\circ}C \sim 70^{\circ}C$ .

8.Preservative temperature range: $-40^{\circ}C \sim 85^{\circ}C$ .

### RECOMMENDED PCB LAYOUT

TOLERANCE: $\pm 0.05mm$   
(BOTTOM VIEW)



DC MATE PLUG

Model No.	H	I	J
CENTER PIN	$\phi 2.0$	$\phi 2.35$	$\phi 2.5$

○: ITEM NO. □: TERMINAL NO.

NO.	PARTS	MATERIAL	Q'TY	FINISHING	TOLERANCE	ANGLES	UNITS	mm
⑥	Shunt terminal ③	Brass	1	Tin plating	$\pm 0.3$	$\pm 2^{\circ}$	SEE NOTE	mm
⑤	Tip spring ②	Phosphor bronze	1	Tin plating				
④	Center pin terminal ①	Brass	1	Tin plating				
③	Center pin	Brass	1	CuSn plating				
②	Cover	PBT UL94V-0	1	Black				
①	Housing	PBT UL94V-0	1	Black	SEE NOTE	Q'TY	FINISH	DR:
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东莞市腾兴电子有限公司

TITLE: DIP DC POWER JACK

PART NO.: DCB0-0005G

DR: Ricky 2019/03/06

DWG NO.: AB0-0005G

CHKD: Ricky 2019/03/06

APPD:

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