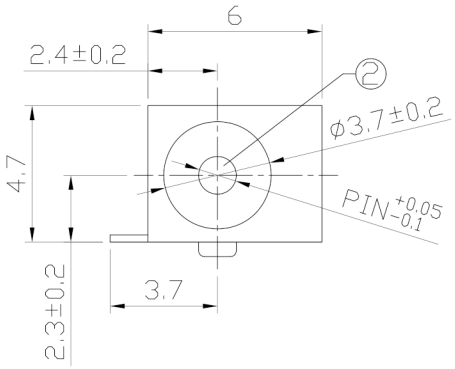
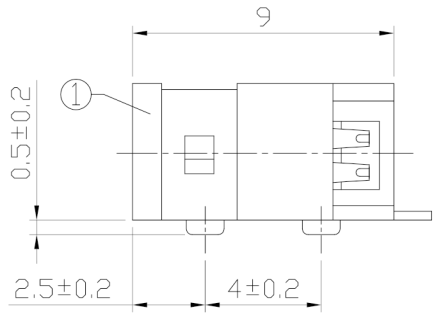
Pb Process Capable

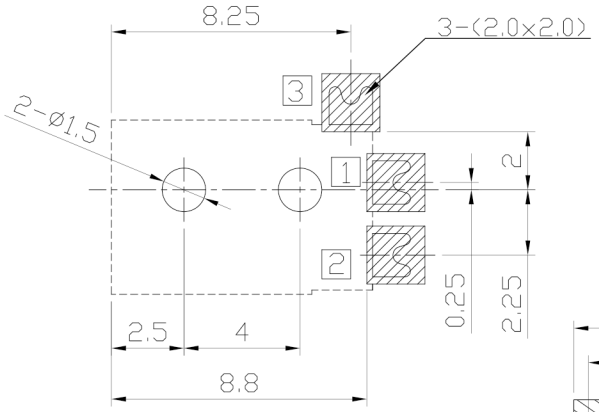
RoHS Compliant 2002/95/EC

REV.	ECN. NO.	APPD.

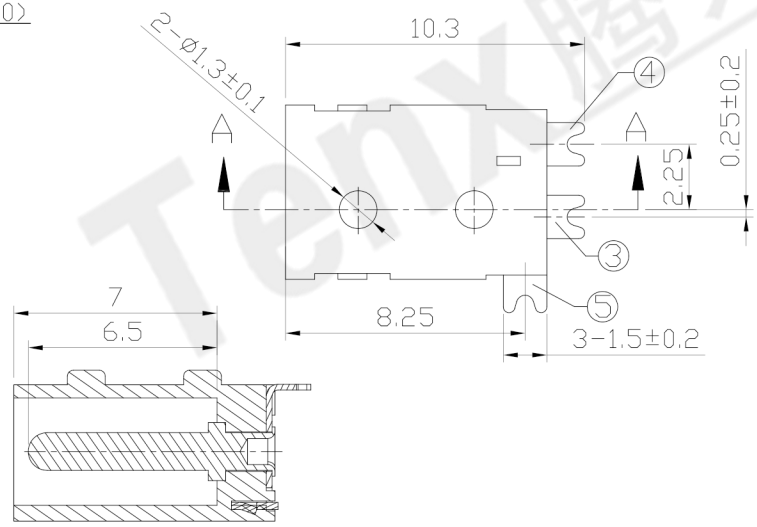
DIMENSIONS







P.C.B Layout
(Copper-sided view)



SECTION A-A

MODEL CODE:

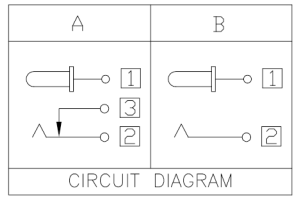
DCB0-00450- A □ LC BK S 0 1

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

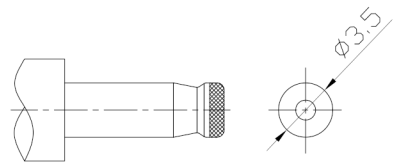
(1):Series type:SMD DC POWER JACK.
(2):Series No.
(3):Schematic option: A,B
(4):Center pin diameter:
C=ϕ1.0, E=ϕ1.3
(5):Material of housing:
LC=LCP(Standard)
(6):Housing color:
BK=Black
(7):Terminal plating:
S=Silver(Ag),G=Gold(Au)
(8):Special option:
0=No special option
(9):Packing mode:
1=Reel packing
3=Plastic box packing

SPECIFICATION

1.Rating : DC 12V 1A;
2.Contact resistance: ≤30mΩ;
3.Insulation resistance: ≥100MΩ (DC500V);
4.Withstand voltage: 500VAC ;
5.Insertion and extraction force: 3-30N;
6.life test: 5,000 cycles.
7.Operation temperature range:-20°C~70°C;
8.Preservative temperature range:-40°C~85°C;



CIRCUIT DIAGRAM



DC MATE PLUG

Model No.	C	E
CENTER PIN	ϕ1.0	ϕ1.3

◯: ITEM NO. □: TERMINAL NO.

NO.	PARTS	MATERIAL	Q'TY	FINISHING
⑤	Shunt terminal [3]	Brass,t=0.25	1	Silver/Gold plating
④	Tip spring [2]	Beryllium bronze,t=0.3	1	Silver/Gold plating
③	Center pin terminal [1]	Brass,t=0.2	1	Silver/Gold plating
②	Center pin [1]	Brass	1	Nickel/Gold plating
①	Housing	LCP	1	

TOLERANCE	ANGLES
±0.3	±2°

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UNITS mm
MAT'L SEE NOTE
FINISH SEE NOTE
Q'TY

东莞市腾兴电子有限公司

TITLE: SMD DC POWER JACK
PART NO.: DCB0-00450
DR: Ricky 2018/06/20
DWG NO.: AB0-00450
CHKD: Ricky 2018/06/20
APPD:

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