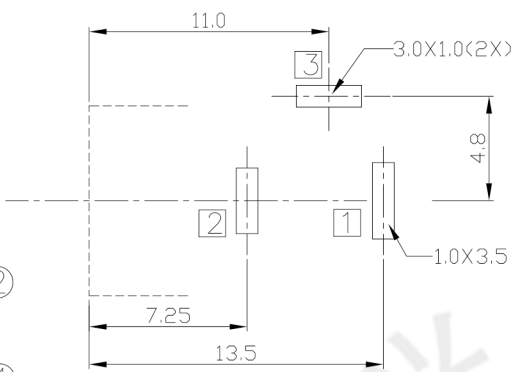
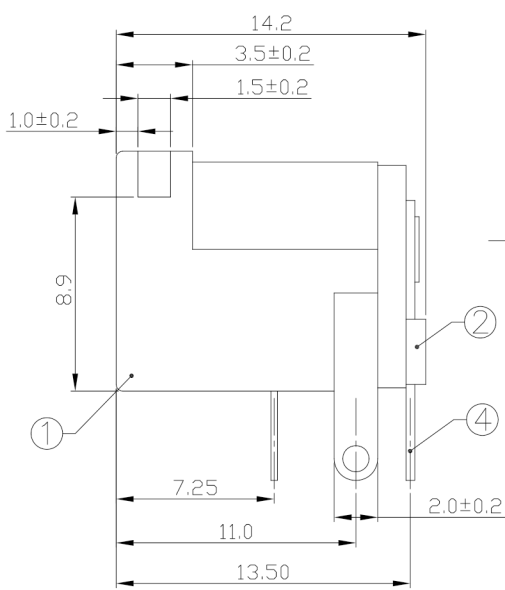
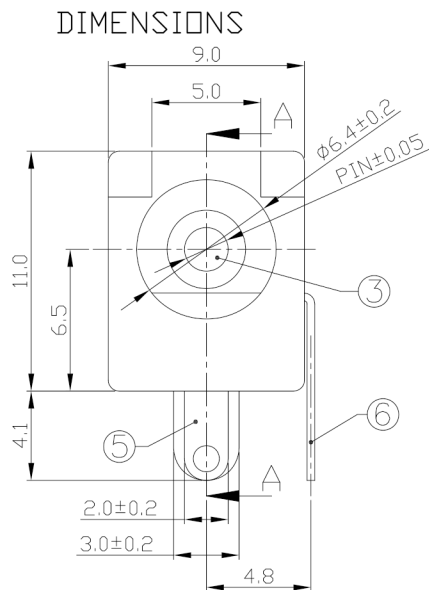




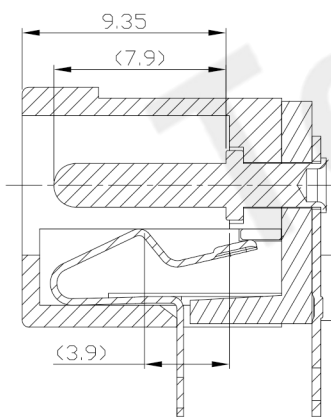
RoHS  
Compliant  
2002/95/EC

REV.	ECN.	NO.	APPD.

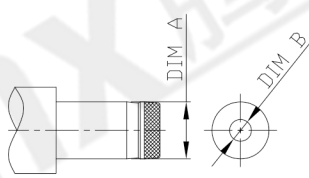
DIMENSIONS



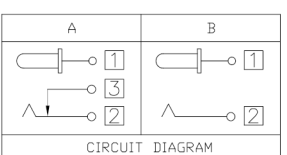
RECOMMENDED P.C.B. LAYOUT  
UNSPECIFIED TOLERANCE:±0.05  
(BOTTOM VIEW)



SECTION A-A



DC MATE PLUG



CIRCUIT DIAGRAM

Model No.	H	I	J
CENTER PIN	φ2.0	φ2.35	φ2.5
DIM A	φ5.5±0.05	φ5.5±0.05	φ5.5±0.05
DIM B	φ2.05 <sup>+0.10</sup> <sub>-0.00</sub>	φ2.40 <sup>+0.10</sup> <sub>-0.00</sub>	φ2.55 <sup>+0.10</sup> <sub>-0.00</sub>

MODEL CODE:

DCB0-005BY- A □ PB BK T 0 4

- (1): Series type: DIP DC POWER JACK.
- (2): Series No.
- (3): Schematic option: A , B
- (4): Center pin diameter:  
H=φ2.0 , I=φ2.35 , J=φ2.5
- (5): Material of housing:  
PB=PBT
- (6): Housing color:  
BK=Black  
2A=Red(0350)=PBT4815  
2R=Red(0046)=XH1033)=PBT4815  
4H=Yellow(0039)=XH1029)=PBT4815  
4N=Yellow(0080)=PBT4815  
9A=White(0100)=XH1013)=PBT4815
- (7): Terminal plating  
T=Tin(Sn)
- (8): Special option:  
0=Black cover
- (9): Packing mode:  
4=Bag packing

Specification:

- 1.Rating : DC 20V 4A.
- 2.Contact resistance : ≤30mΩ  
After test: ≤50mΩ
- 3.Insulation resistance : ≥100MΩ (500VDC).  
After test: ≥50MΩ
- 4.Withstanding voltage: 500VAC .
- 5.Insertion and extraction force: 3N~30N.
- 6.life test: 5000cycles min.
- 7.Operation temperature range:-20℃~70℃.
- 8.Preservative temperature range:-40℃~85℃.

○: ITEM NO. □: TERMINAL NO.

NO.	PARTS	MATERIAL	Q'TY	FINISHING	TOLERANCE	ANGLES	UNITS
⑥	Shunt terminal	Brass t=0.35	1	Tin plating	±0.3	±2°	mm
⑤	Tip spring	Phosphor bronze t=0.30	1	Tin plating			MAT'L
④	Center pin terminal	Brass t=0.4	1	Tin plating			SEE NOTE
③	Center pin	Brass	1	CuSn plating			FINISH
②	Cover	Thermoplastic	1	See P/N ordering info			SEE NOTE
①	Housing	Thermoplastic	1	See P/N ordering info			Q'TY

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东莞市腾兴电子有限公司

TITLE: DIP DC POWER JACK		PART NO.: DCB0-005BY	
DR: Ricky 2019/03/05		DWG NO.: AB0-005BY	
CHKD: Ricky 2019/03/05		SCALE	SHEET
APPD:		1:1	1/1
		REV.	CUSTOMER DRAWING
		A	