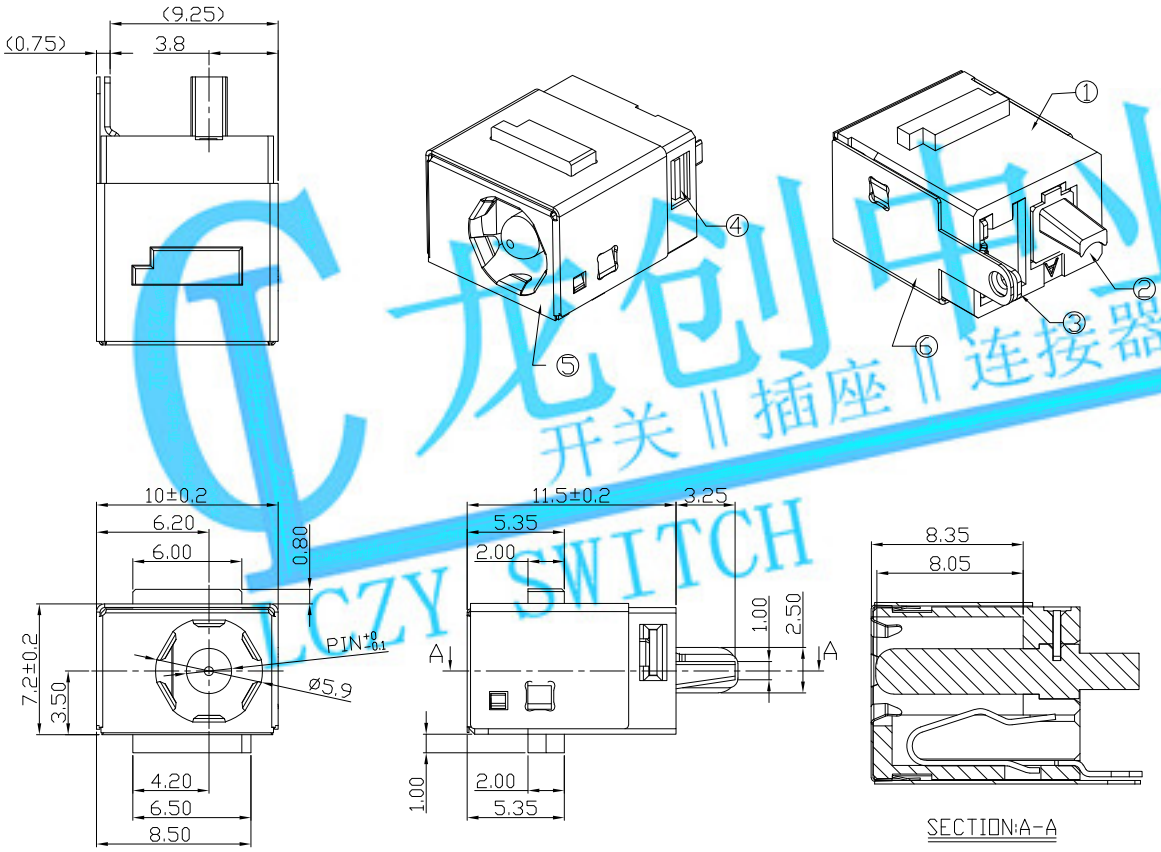
RoHS Compliant
2002/95/EC
Process Capable

| REV. | ECN. NO. | APPD. |
|---|---|---|
| | | |
| | | |
| | | |

## DIMENSIONS




SECTION:A-A

MODEL CODE:

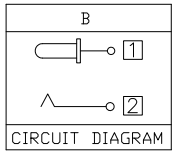
DCB0-0167A- B □ PB BK S 0 4

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

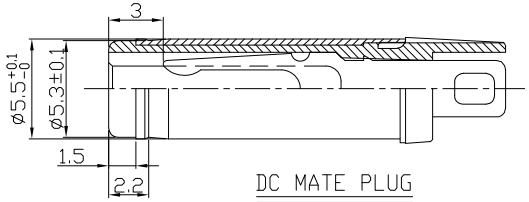
(1):Series type:DC POWER JACK.
(2):Series No.
(3):Schematic option: B
(4):Center pin diameter:
G=Ø1.65 , H=Ø2.0 , J=Ø2.5
(5):Material of housing:
10=PA10T , PB=PBT
(6):Housing color:
BK=Black
(7):Terminal plating
S=Silver(Ag)
(8):Special option:
0= Ni Plating for Center Pin(RoHS)
1= CuSn Plating for Center Pin(RoHS)
H= Ni Plating for Center Pin,Housing is Halogen Free
F= CuSn Plating for Center Pin,Housing is Halogen Free
(9):Packing mode:
4=Bag packing

SPECIFICATION:

1.Rating : DC 20V 5A;
2.Contact resistance: ≤30mΩ;
After test:≤50mΩ
3.Insulation resistance: ≥100MΩ (DC500V);
After test:≥50MΩ
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. | G | H | J |
|---|---|---|---|
| CENTER PIN | Ø1.65 | Ø2.0 | Ø2.5 |

○: ITEM NO. □: TERMINAL NO.

| NO. | PARTS | MATERIAL | Q'TY | FINISHING |
|---|---|---|---|---|
| ⑥ | Ground Terminal | Stainless steel | 1 | Nickel plating |
| ⑤ | Shield plate | Stainless steel | 1 | |
| ④ | Peg | Copper Alloy | 1 | Tin plating |
| ③ | Tip spring [2] | Copper Alloy | 1 | Silver plating |
| ② | Center pin [1] | Zinc Alloy | 1 | Ni/CuSn Plating |
| ① | Housing | Thermoplastic | 1 | Black |

| TOLERANCE | | ANGLES | |
|---|---|---|---|
| .X | ±0.50 | X | ±5° |
| .XX | ±0.30 | .X | ±3° |
| .XXX | ±0.15 | .XX | ±2° |

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

LONGCHUANG ZHONGYE (HK)CO.,LIMITED

| | |
|---|---|
| TITLE: DC POWER JACK | PART NO.: DCB0-0167A |
| DR: Ricky 2019/05/06 | DWG NO.: AB0-0167A |
| CHKD: Ricky 2019/05/06 | |
| APPD: | |

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