



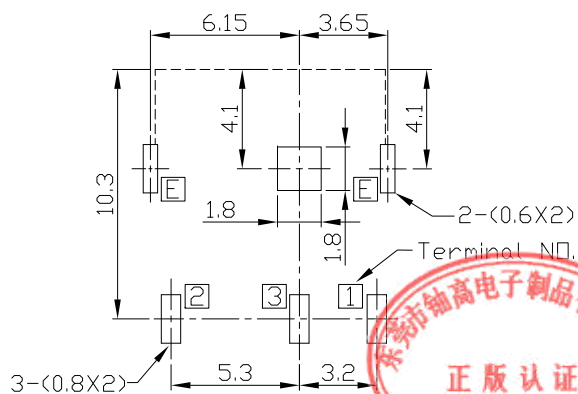
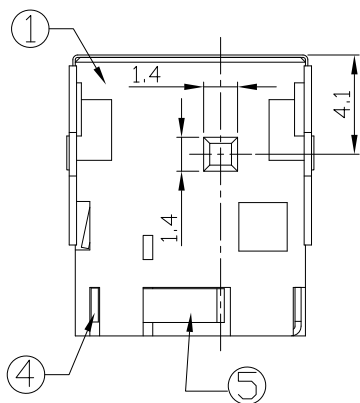
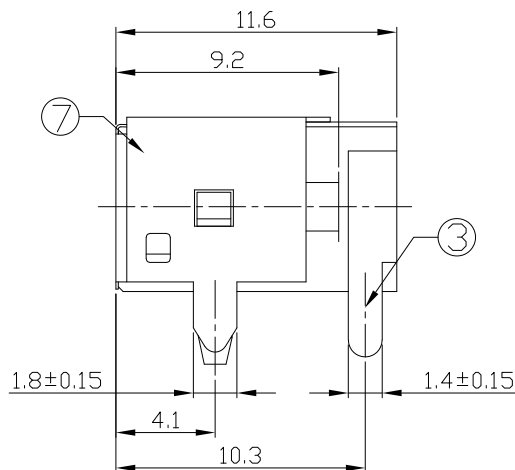
Technical drawing of a mechanical part, likely a bearing housing, showing dimensions and features.

Dimensions:

- Overall width: 10.1
- Distance from left edge to center:  $6.25 \pm 0.2$
- Overall height: 7.2
- Distance from top edge to center:  $3.5 \pm 0.2$
- Distance from bottom edge to center: 2.7
- Distance from left edge to bottom edge: 2.5
- Distance from center to right edge: 3.2
- Distance from center to bottom edge: 3.65
- Distance from left edge to center of hole: 5.3

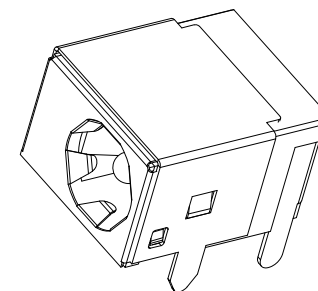
Features:

- Hole diameter:  $\varnothing 5.9 \pm 0.15$
- Feature labeled "PIN" (Pin)
- Callouts ⑥ and ② pointing to specific features.

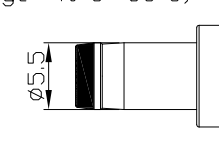
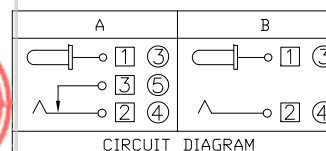


RECOMMENDED P.C.B. LAYOUT  
UNSPECIFIED TOLERANCE:  $\pm 0.05$   
(COPPER-SIDED VIEW)

(1):Series type:DIP DC POWER JACK.  
(2):Series No.  
(3):Schematic option: A , B  
(4):Center pin diameter:  
G=Ø1.65 , H=Ø2.0 , J=Ø2.5  
(5):Material of housing:  
9T=PA9T(Standard) , PB=PBT  
(6):Housing color:  
BK=Black(Only)  
(7):Terminal plating  
S=Silver(Ag)(Standard)  
T=Tin(Sn)  
G=Gold(Au)  
(8):Special option:  
0=No special option  
(9):Packing mode:  
1=Reel packing  
3=Plastic box packing  
4=Bag packing



- 1.Rating : DC 25V 3A;
- 2.Contact resistance:  $\leq 50\text{m}\Omega$ ;  
After test: $\leq 100\text{m}\Omega$
- 3.Insulation resistance:  $\geq 100\text{M}\Omega$  (DC500V);  
After test: $\geq 50\text{M}\Omega$
- 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;



DC MATE PLUG

|            |       |      |      |
|------------|-------|------|------|
| Model No.  | G     | H    | J    |
| CENTER PIN | ø1.65 | ø2.0 | ø2.5 |

○: ITEM NO.      □: TERMINAL NO.

|     |                    |                 |      |            | TOLERANCE                                                                                                                                                                                          | ANGLES | UNITS<br>mm | 东莞市铈高电子制品有限公司 |                               |  |                         |       |      |          |
|-----|--------------------|-----------------|------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|---------------|-------------------------------|--|-------------------------|-------|------|----------|
|     |                    |                 |      |            | ±0.3                                                                                                                                                                                               | ±2°    | MAT'L       |               |                               |  |                         |       |      |          |
|     |                    |                 |      |            |                                                                                                                                                                                                    |        |             | SEE NOTE      | TITLE:<br>DIP DC POWER JACK   |  | PART NO.:<br>DCB0-0044Q |       |      |          |
|     |                    |                 |      |            |                                                                                                                                                                                                    |        |             | FINISH        | DR: <i>Ricky</i> 2019/04/30   |  | DWG NO.:<br>AB0-0044Q   |       |      |          |
|     |                    |                 |      |            |                                                                                                                                                                                                    |        |             | SEE NOTE      | CHKD: <i>Ricky</i> 2019/04/30 |  | SCALE                   | SHEET | REV. | CUSTOMER |
|     |                    |                 |      |            |                                                                                                                                                                                                    |        |             | Q'TY          | APPD:                         |  | 1:1                     | 1/1   | A    | DRAWING  |
|     |                    |                 |      |            |                                                                                                                                                                                                    |        |             |               |                               |  |                         |       |      |          |
|     |                    |                 |      |            | THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF ACCURATE INNOTECH INC. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF ACCURATE INNOTECH INC. |        |             |               |                               |  |                         |       |      |          |
| NO. | PARTS              | MATERIAL        | Q'TY | FINISHING  |                                                                                                                                                                                                    |        |             |               |                               |  |                         |       |      |          |
| ⑦   | Ground shield      | Copper Alloy    | 1    | Ni-Plating |                                                                                                                                                                                                    |        |             |               |                               |  |                         |       |      |          |
| ⑥   | Shield plate       | Stainless steel | 1    | Ni-Plating |                                                                                                                                                                                                    |        |             |               |                               |  |                         |       |      |          |
| ⑤   | Shunt Terminal     | Copper Alloy    | 1    | Ag-Plating |                                                                                                                                                                                                    |        |             |               |                               |  |                         |       |      |          |
| ④   | Tip Spring         | Copper Alloy    | 1    | Ag-Plating |                                                                                                                                                                                                    |        |             |               |                               |  |                         |       |      |          |
| ③   | Center pin contact | Copper Alloy    | 1    | Ag-Plating |                                                                                                                                                                                                    |        |             |               |                               |  |                         |       |      |          |
| ②   | Center pin         | Copper Alloy    | 1    | Ni-Plating |                                                                                                                                                                                                    |        |             |               |                               |  |                         |       |      |          |
| ①   | Housing            | PBT/PA9T        | 1    |            |                                                                                                                                                                                                    |        |             |               |                               |  |                         |       |      |          |