

RECOMMENDED P.C.B LAYOUT  
INSPECTION DIMENSION:(A)~(G)

## SPECIFICATIONS


1. D-SUB
- 1.1 Voltage: 250 VAC(RMS) Max.
- 1.2 Current Rating: 3 Ampere per Contact
- 1.3 Contact Resistance: 25 Milliohms Max.
- 1.4 Insulation Resistance: 5000 Megohms Min.
- 1.5 Dielectric Withstanding Voltage: 1000V AC(RMS)
- 1.6 Total Mating Force: 6.0 Kgf Max.
- 1.7 Total Unmating Force: 1.2 Kgf Min.
- 1.8 Operating Temperature: -55°C to +85°C



## NOTES

1. MATERIAL:  
Housing:PBT, UL 94V-0, Color:Black.  
Terminal:Copper Alloy.  
Shell:SPCC.
2. FINISH:  
Terminal:Gold Plated over Nickel at Contact Area.  
Tin Plated over Nickel at Solder Ared.  
Shell:Tin Plated.
3. This Product is LEAD-FREE & RoHS Compliance Product.

|                        |  |
|------------------------|--|
| SERIES NO.             | D180XXX 1XXXXXXN0  |
| NUMBER OF POSITION     | H1: 15-POSITION HI-DEN<br>H2: 26-POSITION HI-DEN<br>H3: 44-POSITION HI-DEN<br>H4: 62-POSITION HI-DEN   |
| CONTACT STYLE          | S: SOCKET<br>P: PLUG   |
| CONTACT MATERIALS      | 1: BRASS   |
| CONTACT FINISH         | 1: G/F BRIGHT TIN<br>3: 15μ GOLD BRIGHT TIN<br>4: 30μ GOLD BRIGHT TIN<br>5: G/F FULL GOLD  |
| FRONT SHELL FINISH     | 1: TIN<br>2: NICKEL  |
| INSULATOR MATERIALS    | 1: PBT<br>3: PA6T  |
| COLOR STYLE            | 1: ALL BLACK<br>2: ALL BLUE  |
| FLANGE MOUNTING OPTION | 1: #4-40 THREADED HOLE<br>L: #3.05mm CLEAR HOLE<br>L: #4-40 THREADED HOLE WITH #4-40UNC SCREWLOCK INSTALLED (4.8x3.5)<br>N: #4-40 THREADED HOLE WITH #4-40UNC SCREWLOCK INSTALLED (5.8x3.5)  |
| BOARD MOUNTING OPTION  | 0: NONE<br>1: RIVETED-NUT FRONT SHELL(4.0mm)<br>2: RIVETED-NUT BACK SHELL(4.0mm)<br>3: RIVETED-NUT FRONT SHELL(5.8mm)<br>4: RIVETED-NUT BACK SHELL(5.8mm)<br>A: RIVETED-NUT BOARDLOCK(6.0mm) |

|   |  |           |               |             |   |                           |                 |
|---|--|-----------|---------------|-------------|---|---------------------------|-----------------|
|   |  |           |               |             |   | FEN YING®                 |                 |
| A0  |  | An issue. |               | 2013.07.10  |   | ENTERPRISES CO.,LTD       |                 |
| REV.  |  | CONTENTS  |               | DATE        |   | Title: <u>D180 SERIES</u> |                 |
| <br>UNLESS OTHERWISE<br>SPECIFIED TOLERANCE<br>mm<br>0.00 = ±0.25<br>0.000 = ±0.13<br>Ang: 0.0 = ±2° |  | Drawn     | Shao Jianfeng |             | D-SUB 15 MALE HIGH DENSITY STRAIGHT DIP |                           |                 |
|   |  | Designed  | He Wei        |             |   |                           |                 |
|   |  | Approval  | Lee Jun De    |             |   |                           |                 |
|   |  | Scale     | 1:1           | Size        | A4                                      | File NO.                  | C-ED-B-D180-029 |
| SHEET 1   |  | Units     | mm            | Drawing NO. | D180H1P1X10311N0                        |                           |                 |