

CURRENT RATING: 3 AMP  
INSULATION RESISTANCE: 1000MΩ MIN.  
CONTACT RESISTANCE: 30mΩ MAX.  
DIELECTRIC VOLTAGE: 500V AC FOR ONE MINUTE  
OPERATION TEMPERATURE: -55°C TO +85°C

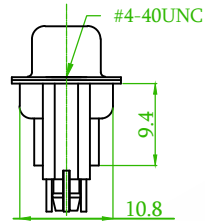
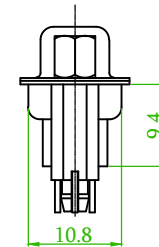
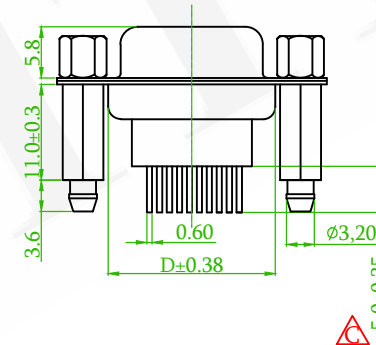
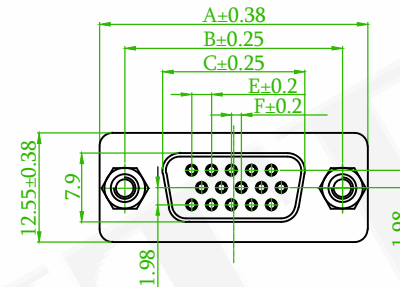
INSULATOR: PBT  
TERMINAL: COPPER ALLOY  
SHLL: SPCC  
SCREW: IRON  
BOARDLOCK: COPPER ALLOY

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graph TD
    Root["5 7 H E D S F X - X X X X X X X - 0 5"]
    Root --- B1["1: TIN SHELL + L(RoHS)  
2: NICKEL SHELL + L(RoHS)"]
    Root --- B2["F: FEMALE"]
    Root --- B3["NO. OF CONTACTS"]
    Root --- B4["MOUNTING  
CLEAR HOLE Ø3.05mm"]
    Root --- B5["S0: SELECTIVE"]
    Root --- B6["B: BLACK INSULATOR"]
    Root --- B7["A: TRAY"]
  
```

Technical drawing of a 3-pin plug. A red vertical line indicates the center of gravity. A green dimension line shows a diameter of  $\phi 3.05$  mm for the top part of the plug.

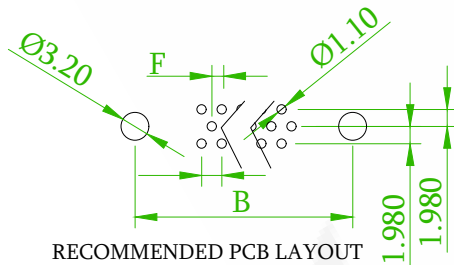
| Code | Boardlock | MOUNTING                                          |
|------|-----------|---------------------------------------------------|
| NN   | W/O       | CLEAR HOLE Ø3.05mm                                |
| BA   | WITH      | THREAD INSERT #4-40                               |
| BB   | WITH      | THREAD INSERT #4-40+ JACK SCREW<br>#4-40ATTACHED  |
| CC   | WITH      | THREAD INSERT #4-40+JACK SCREW #4-40<br>REMOVABLE |



Technical drawing of a #4-40UNC screwlock installed in a plate. The drawing shows a side view of the screwlock with dimensions: 4.75 inches for the plate thickness, 11.8 inches for the total length, and 4.8 inches for the screwlock height. A callout shows a cross-section of the screwlock with the text '#4-40UNC' and 'screwlock installed'.

Technical drawing of a 1/2-40 UNF-2A plug. The drawing shows a cross-section of the plug with a red triangle warning symbol in the upper left corner. Green dimension lines indicate the thread specification #4-40UNC for the internal threads.

 57HEDSXF-XXCCXXXX-05  
THREAD INSERT #4-40 + JACK  
SCREW #4-40 REMOVABLE



RECOMMENDED PCB LAYOUT

The diagram illustrates the recommended PCB layout for the sensor module. It shows a central sensor component with two circular mounting holes on either side. Key dimensions and features are labeled:

- Ø1.10**: Diameter of the left mounting hole.
- Ø3.20**: Diameter of the right mounting hole.
- F**: Distance from the center of the left hole to the left edge of the sensor.
- E**: Distance from the center of the left hole to the center of the sensor.
- B**: Total width of the PCB layout.
- 1.980**: Two vertical dimensions indicating the distance from the bottom edge of the PCB to the center of each mounting hole.

RECOMMENDED PCB LAYOUT  
26, 44, 62 POSITION FEMALE  
(PCB TOLERANCE  $\pm 0.05$ )

| No. | A     | B     | C     | D     | E    | F     |
|-----|-------|-------|-------|-------|------|-------|
| 15  | 30.81 | 24.99 | 16.33 | 19.15 | 2.29 | 1.145 |
| 26  | 39.14 | 33.32 | 24.75 | 27.65 | 2.29 | 1.145 |
| 44  | 53.05 | 47.04 | 38.33 | 41.10 | 2.29 | 1.145 |
| 62  | 69.32 | 63.50 | 54.75 | 57.33 | 2.41 | 1.205 |

|                                                                                     |                                    |         |            |
|-------------------------------------------------------------------------------------|------------------------------------|---------|------------|
|  | BPM 20250520002                    | Gaby    | 2025/05/20 |
|  | ECN NO.240919 Revise the drawing   | Benson  | 2024/10/30 |
|  | QEC NO.: 240911 Revise the drawing | Gaby    | 2024/09/23 |
| REV.                                                                                | ECN NO. OR DESCRIPTION             | REVISED | DATE       |



|                      |                                                    |             |      |                              |                                                                                       |     |
|----------------------|----------------------------------------------------|-------------|------|------------------------------|---------------------------------------------------------------------------------------|-----|
| 品名<br>TITLE          | D-SUB HIGH DENSITY ELEVATED<br>FEMALE DIP V/T TYPE |             |      |                              | 頁數<br>Page                                                                            | 1/1 |
| 品號<br>PART NO.       | 57HEDSXF-XXXXXXXX-05(CN068)                        |             |      | 繪圖<br>DRAWN                  | BENSON<br>2023/07/25                                                                  |     |
| 圖號<br>DRAWING NO.    | GW054-RD028                                        | 版本<br>REV.  | E    | 核對<br>CHECKED                | JOSH<br>2023/07/25                                                                    |     |
| 客戶品號<br>CUSTOMER P/N |                                                    | 比例<br>SCALE | None | 承認<br>APPROVED               | JOSH<br>2023/07/25                                                                    |     |
| 公差<br>TOLERANCE      | X ± 0.35<br>.XX ± 0.25                             | 單位<br>UNIT  | mm   | THIRD<br>ANGLE<br>PROJECTION |  |     |