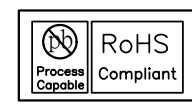


RECOMMENDED PCB LAYOUT(TOP VIEW)  
(TOLERANCE=±0.05mm)

| ITEM<br>項目 | PARTS NAME<br>零件名稱 | Q'TY<br>數量 | MATERIAL<br>材質 | FINISH/REMARK<br>處理/備註   |
|------------|--------------------|------------|----------------|--|
| 1          | HOUSING            | 1          | LCP            | Black  |
| 2          | CONTACT            | 20         | C2680          | Gold Flash on contact area,<br>Tin:100u" on solder area<br>under 50u" Nickel |
| 3          | SHELL              | 1          | SUS304         | Ni:50u"Min   |

| PIN | SIGNAL TYPE | PIN NAME        |
|-----|-------------|-----------------|
| 1   | GND         | GND             |
| 3   | Out         | ML_Lane 0(p)    |
| 5   | Out         | ML_Lane 0 (n)   |
| 7   | GND         | GND             |
| 9   | Out         | ML_Lane 1 (p)   |
| 11  | Out         | ML_Lane 1 (n)   |
| 13  | GND         | GND             |
| 15  | Out         | ML_Lane 2 (p)   |
| 17  | Out         | ML_Lane 2 (n)   |
| 19  | GND         | GND             |
| 2   | IN          | Hot Plug Detect |
| 4   | CFG         | CONFIG 1        |
| 6   | CFG         | CONFIG 2        |
| 8   | GND         | GND             |
| 10  | Out         | ML_Lane 3(p)    |
| 12  | Out         | ML_Lane 3(n)    |
| 14  | GND         | GND             |
| 16  | I/O         | AUX_CH(p)       |
| 18  | I/O         | AUX_CH(n)       |
| 20  | PWR Out     | DP_PWR          |

- NOTE:
- Current: 0.5A
  - Voltage: 40V RMS
  - Withstanding Voltage: 500V AC
  - Contact Resistance: 30 mΩ max. (Contact)  
50 mΩ max. (Shell)
  - Insulation Resistance: 100 MΩ min.
  - Temperature Range: -20°C to +85°C
  - Mating Force: 4.5Kgf(44.1N)Max.
  - Unmating Force: 1.0Kgf~4.0Kgf(9.8N~39.2N)
  - Durability: 10000 Cycles



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| REV. 版本 | ECN NO. 設變號碼 | MARK 記號 | REVISIONS 設變內容 | SIGN 修改 | DATE 日期   |
|---------|--------------|---------|----------------|---------|-----------|
| A       | EXXXX-XXX    | △ X 0   | -              | zhijun  | 2024/7/23 |

| UNLESS OTHERWISE SPECIFIED TOLERANCE 尺寸公差 | CHECKED 審核  | DESIGNED 設計 | TITLE 產品名稱                        |
|---|-------------|-------------|-----------------------------------|
| X. ±0.50                                  | zhijun      | zhijun      | MINI DISPLAY PORT RECEPTACLE TYPE |
| .X ±0.30                                  | APPROVED 承認 | DRAWN 製圖    | PART NO. 產品料號                     |
| .XX ±0.20                                 |             | zhijun      | D01-C124-02001                    |
| ANG. ±5°00'                               |             | 2024/7/23   | DOC. NO. 文件編號                     |
|   |             |             | CUT-C124-XXX                      |
|   |             |             | REV. 版本                           |
|   |             |             | A                                 |