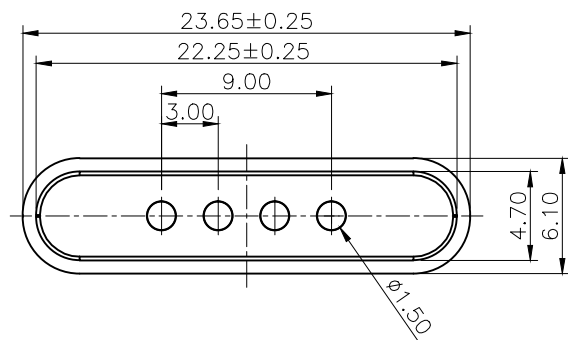


RECOMMENDED PCB LAYOUT  
GENERAL TOLERANCE:  $\pm 0.05$

| REV. | DESCRIPTION     | DRAWN   | DATE       |
|------|-----------------|---------|------------|
| 1    | INITIAL RELEASE | Michael | 2025/04/28 |
| 2    | Add ORING       | Fros    | 2025/07/02 |
| 3    | ECR2500007      | TIM     | 2025/07/09 |

## SPECIFICATION:

### 1. ELECTRICAL

- 1.1 Current Rating: 3A per pin
- 1.2 Voltage Rating: 24VDC
- 1.3 Contact Resistance: 50m $\Omega$
- 1.4 Insulation Resistance: 100M $\Omega$
- 1.5 Dielectric Withstanding Voltage: 500VAC

### 2. MECHANICAL

- 2.1 Durability: 20000 Cycle

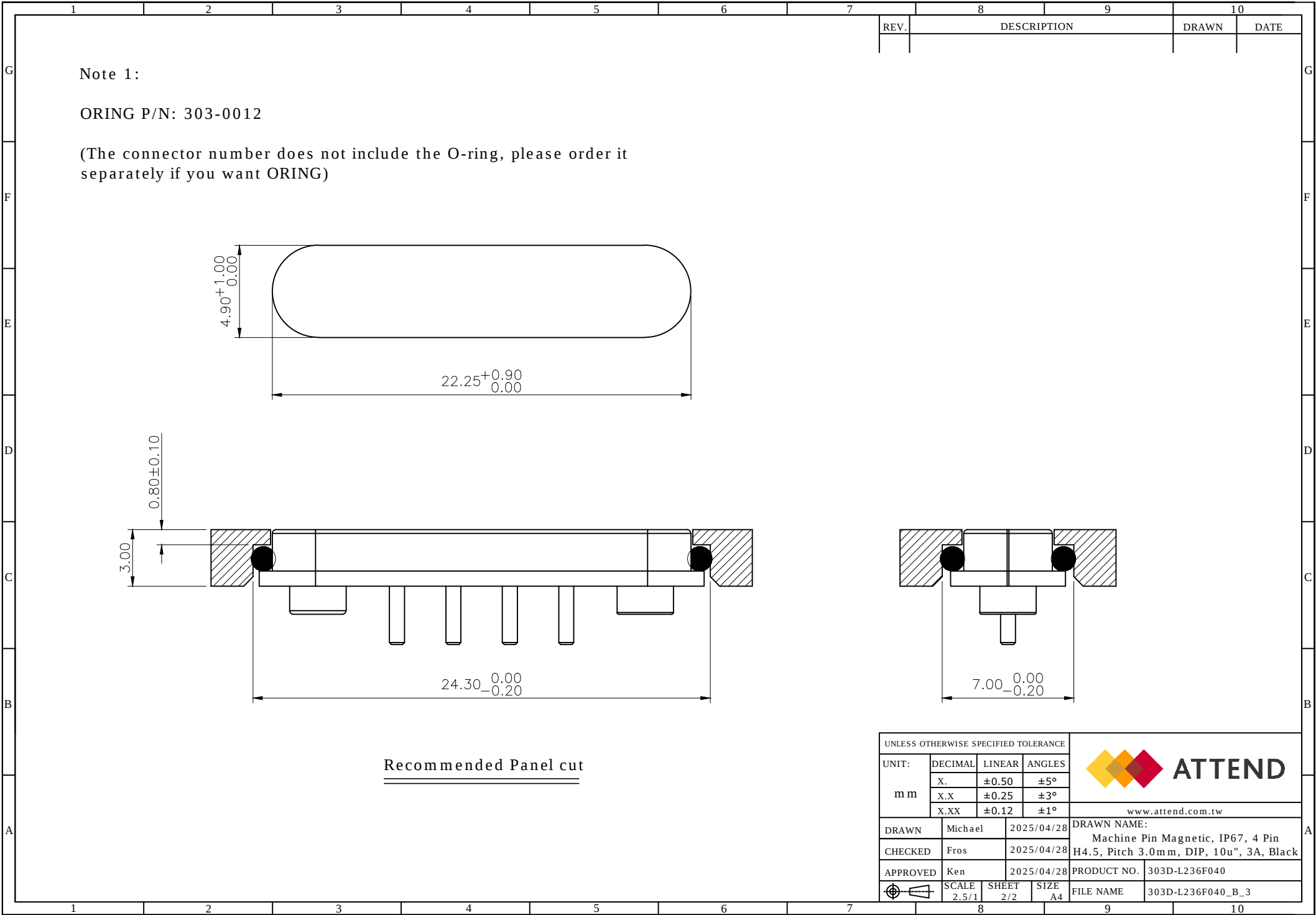
### 3. ENVIRONMENTAL

- 3.1 Operating temperature range: -40°C~+60°C
- 3.2 Storage temperature range: -40°C~+60°C

### 4. HAND SOLDERING

- 4.1 Recommended hand soldering conditions Temperature 240°C $\pm 10^\circ\text{C}$ , 3~5 sec.

|                                                                                       |                |                                                                                                                                 |                                                                                             |                                |        |        |
|---------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------|--------|--------|
| 4                                                                                     | GLUE           | EPOXY                                                                                                                           |                                                                                             |                                |        |        |
| 3                                                                                     | CONTACT        | Brass C6801, plating 10u" Au                                                                                                    |                                                                                             |                                |        |        |
| 2                                                                                     | MAGNET         | N52, NdFeB Magnet plating Ni                                                                                                    |                                                                                             |                                |        |        |
| 1                                                                                     | HOUSING        | PA9T , UL94 V-0 black                                                                                                           |                                                                                             |                                |        |        |
| NO. PART NAME                                                                         |                | DESCRIPTION                                                                                                                     |                                                                                             |                                |        |        |
| UNLESS OTHERWISE SPECIFIED TOLERANCE                                                  |                | <br><b>ATTEND</b><br><br>www.attend.com.tw |                                                                                             |                                |        |        |
| UNIT:<br><br>m m                                                                      | DECIMAL        |                                                                                                                                 |                                                                                             |                                | LINEAR | ANGLES |
|                                                                                       | X.             |                                                                                                                                 |                                                                                             |                                | ±0.50  | ±5°    |
|                                                                                       | X.X            |                                                                                                                                 |                                                                                             |                                | ±0.25  | ±3°    |
|                                                                                       | X.XX           |                                                                                                                                 |                                                                                             |                                | ±0.12  | ±1°    |
| DRAWN                                                                                 | Michael        | 2025/04/28                                                                                                                      | DRAWN NAME:<br>Machine Pin Magnetic, IP67, 4 Pin<br>H4.5, Pitch 3.0mm, DIP, 10u", 3A, Black |                                |        |        |
| CHECKED                                                                               | Fros           | 2025/04/28                                                                                                                      |                                                                                             |                                |        |        |
| APPROVED                                                                              | Ken            | 2025/04/28                                                                                                                      | PRODUCT NO.                                                                                 | 303D-L236F040                  |        |        |
|  | SCALE<br>2.5/1 | SHEET<br>1/2                                                                                                                    | SIZE<br>A4                                                                                  | FILE NAME<br>303D-L236F040_B_3 |        |        |



Note 1:

ORING P/N: 303-0012

(The connector number does not include the O-ring, please order it separately if you want ORING)

| REV. | DESCRIPTION | DRAWN | DATE |
|------|-------------|-------|------|
|      |             |       |      |

|                                                                                       |                |              |            |                                                                                                                                                                 |                   |
|---------------------------------------------------------------------------------------|----------------|--------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| UNLESS OTHERWISE SPECIFIED TOLERANCE                                                  |                |              |            |  <b>ATTEND</b><br><a href="http://www.attend.com.tw">www.attend.com.tw</a> |                   |
| UNIT:<br><br>m m                                                                      | DECIMAL        | LINEAR       | ANGLES     |                                                                                                                                                                 |                   |
|                                                                                       | X.             | ±0.50        | ±5°        |                                                                                                                                                                 |                   |
|                                                                                       | X.X            | ±0.25        | ±3°        |                                                                                                                                                                 |                   |
|                                                                                       | X.XX           | ±0.12        | ±1°        |                                                                                                                                                                 |                   |
| DRAWN                                                                                 |                | Michael      | 2025/04/28 | DRAWN NAME:<br>Machine Pin Magnetic, IP67, 4 Pin<br>H4.5, Pitch 3.0mm, DIP, 10u", 3A, Black                                                                     |                   |
| CHECKED                                                                               |                | Fros         | 2025/04/28 |                                                                                                                                                                 |                   |
| APPROVED                                                                              |                | Ken          | 2025/04/28 | PRODUCT NO.                                                                                                                                                     | 303D-L236F040     |
|  | SCALE<br>2.5/1 | SHEET<br>2/2 | SIZE<br>A4 | FILE NAME                                                                                                                                                       | 303D-L236F040_B_3 |