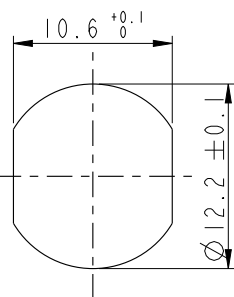
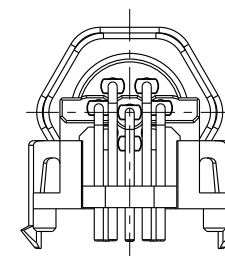
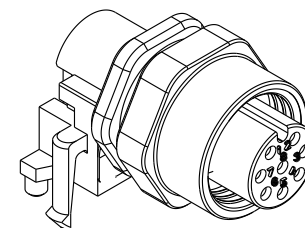
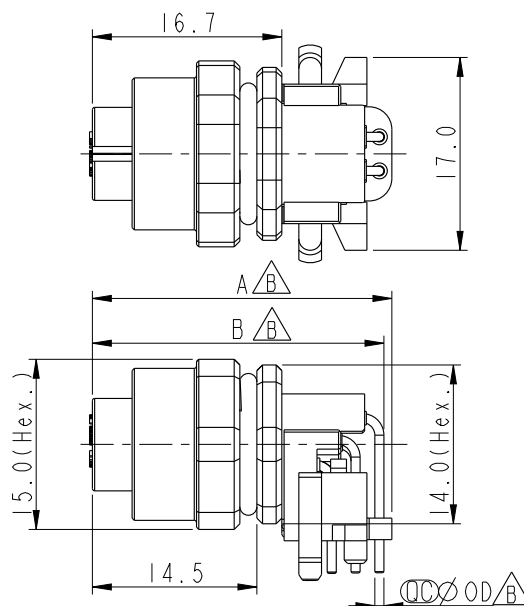
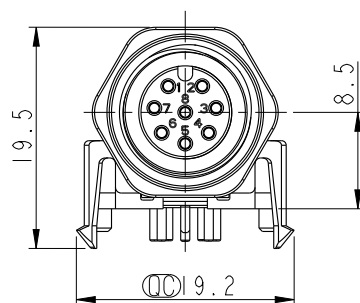
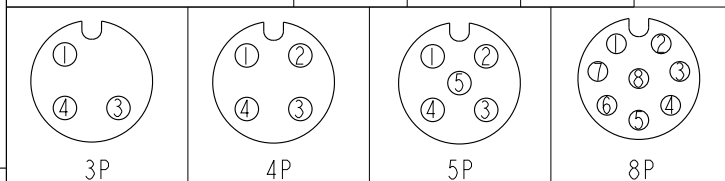


| REV. | ECN NO. | DATE       | SIGN   | DESCRIPTION        |
|------|---------|------------|--------|--------------------|
| B    | C190510 | 2019-03-21 | Su Nan | Add The Size Table |
| C    | C200275 | 2020-03-13 | Nan_Su | $\triangle C$ *1   |

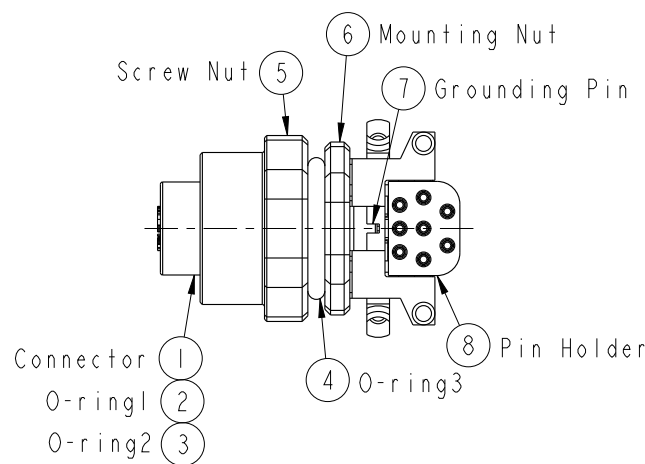
Recommended  
Panel Cut-Out

|                    |      |      |     |
|--------------------|------|------|-----|
| MSAS-03PFFR-SF7003 | 26.6 | 25.5 | 1.0 |
| MSAS-04PFFR-SF7003 | 26.6 | 25.5 | 1.0 |
| MSAS-05PFFR-SF7003 | 26.6 | 25.5 | 1.0 |
| MSAS-08PFFR-SF7003 | 26.4 | 25.7 | 0.8 |

| Item No. | A | B | OD |
|----------|---|---|----|
|----------|---|---|----|



Pin Assignment Front View



## Note:

- \*  $\varnothing$  Important Dimension To Check.
- \* Waterproof Rating: IP67(Mated Waterproof)
- \* Connector: PBT+PC, Black
- \* Female Pins: Copper Alloy, Gold Plated
- \* Mounting Nut: Zinc Alloy, Nickel Plated
- \* Screw Nut: Zinc Alloy, Nickel Plated
- \* Grounding Pin: Copper Alloy, Nickel Plated
- \* O-ring1: Silicon, Black
- \* O-ring2: Silicon, Gray
- \* O-ring3: Silicon, Gray
- \* Pin Holder: PBT+PC, Black
- \* Rated Voltage: 3 & 4Pin 250V dc. or ac.  
5Pin 60V dc. or ac.  
8Pin 30V dc. or ac.
- \* Rated Current: 3~5Pin 4A  
8Pin 2A
- \* For Panel Thickness Max. 3.0mm
- \* For PCB Thickness Max. 1.6mm

|                                                               |                |                                                                    |
|---------------------------------------------------------------|----------------|--------------------------------------------------------------------|
| UNIT:mm                                                       |                | TITLE<br>M12, 90° Panel, Shielded FCONN FPIN<br>(Mated Waterproof) |
| TOLERANCE<br>.X ±0.25<br>.XX ±0.1<br>.XXX ±0.05<br>ANGLES ±1° | SCALE<br>3:2   | SIZE<br>A4                                                         |
|                                                               | REV.<br>C      | SHEET<br>1 OF 2                                                    |
|                                                               | WC-REV.<br>A.3 | QC: Inspection item                                                |

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安費諾亮泰企業股份有限公司

|                               |                      |                    |
|-------------------------------|----------------------|--------------------|
| ITEM NO.                      | DRAWN BY<br>Su Nan   | DATE<br>2019-03-21 |
| DWG NO.<br>MSAS-XXPFFR-SF7003 | CHECKED BY<br>Feng   | DATE<br>2019-03-21 |
| CUSTOMER<br>ALTW              | APPROVED BY<br>Jerry | DATE<br>2019-03-21 |

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M SAS - XX P F F R - S F 7 003

12A: A-Code Shielded

03: 3Pin  
04: 4Pin  
05: 5Pin  
08: 8Pin

P: Panel (板端)

F: Female Connector (母座)

003: M12\*1.0

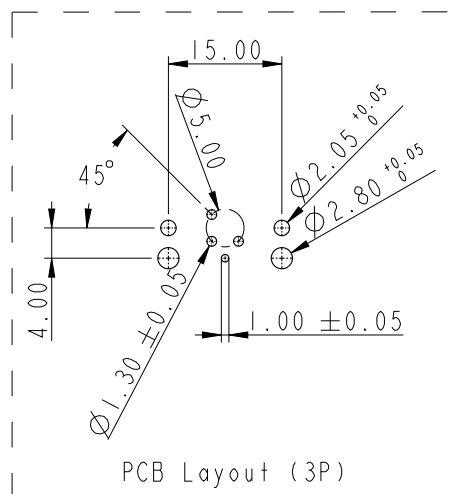
7: IP67 (防水等級 67)

F: Front Fasten (前鎖式/Enclosure Rear Mount)

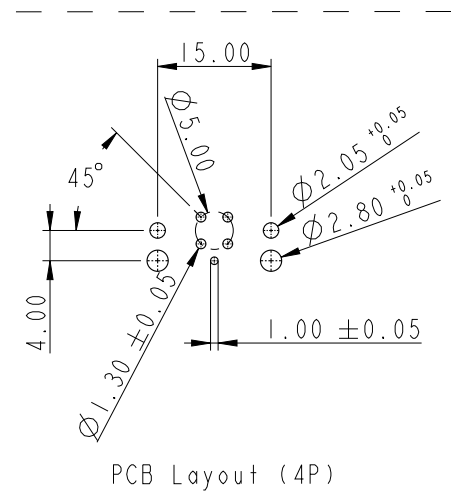
S: Screw (螺紋式)

R: 90° PCB THT/DIP Type (90° 基板插件式)

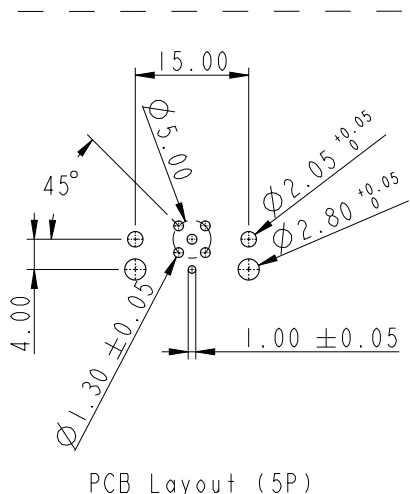
F: Female Pin (母Pin)



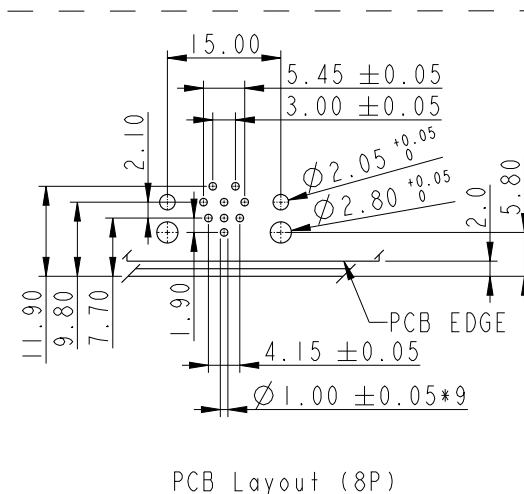
PCB Layout (3P)



PCB Layout (4P)



PCB Layout (5P)



PCB Layout (8P)

|                                                                           |                |                                                                    |                     |
|---------------------------------------------------------------------------|----------------|--------------------------------------------------------------------|---------------------|
| UNIT: mm                                                                  |                | TITLE<br>M12, 90° Panel, Shielded FCONN FPIN<br>(Mated Waterproof) |                     |
| TOLERANCE<br>.X<br>±0.25<br>.XX<br>±0.1<br>.XXX<br>±0.05<br>ANGLES<br>±1° | SCALE<br>3:2   |                                                                    | SIZE<br>A4          |
|                                                                           | REV.<br>C      |                                                                    | SHEET<br>2 OF 2     |
|                                                                           | WC-REV.<br>A.3 |                                                                    | QC: Inspection item |

**Amphenol LTW**  
安費諾亮泰企業股份有限公司

|                              |                      |                    |
|------------------------------|----------------------|--------------------|
| ITEM NO                      | DRAWN BY<br>Su Nan   | DATE<br>2019-03-21 |
| DWG NO<br>MSAS-XXPFRR-SF7003 | CHECKED BY<br>Feng   | DATE<br>2019-03-21 |
| CUSTOMER<br>ALTW             | APPROVED BY<br>Jerry | DATE<br>2019-03-21 |

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Authorized Distributor

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