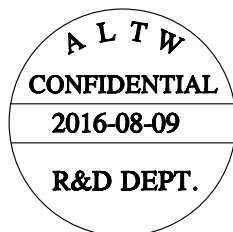
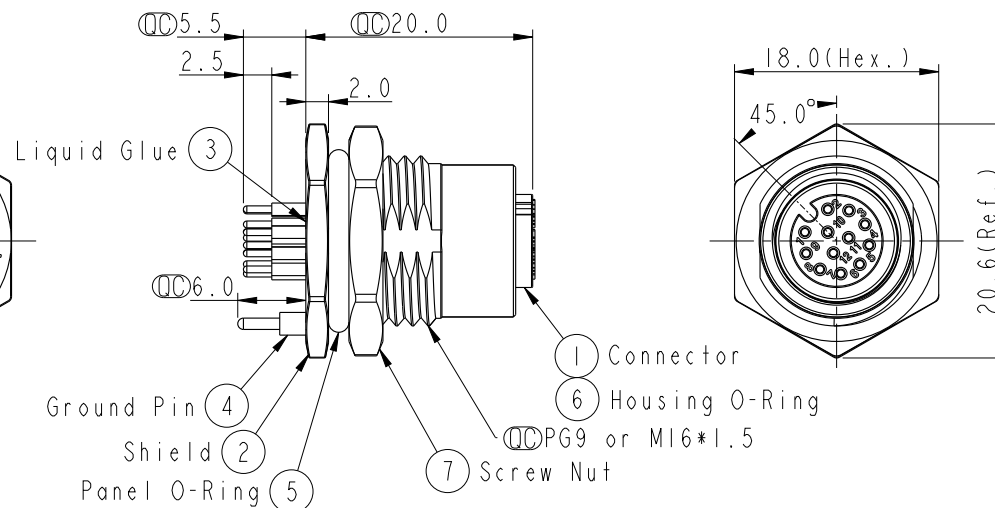
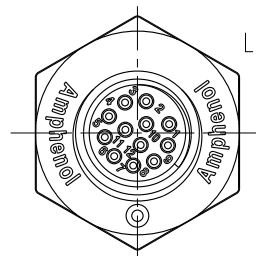
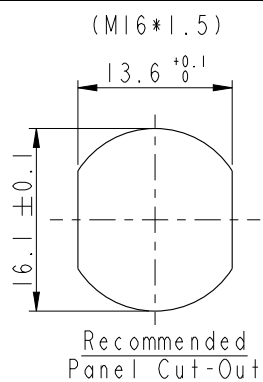
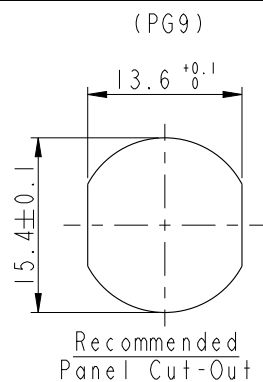
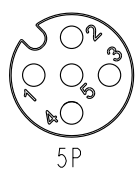
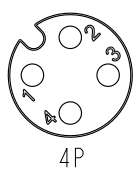
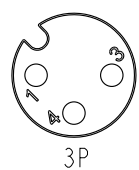


| REV. | ECN NO.                          | DATE       | SIGN        | DESCRIPTION              |
|------|----------------------------------|------------|-------------|--------------------------|
| B    | LEN1570234~239<br>LE31570210~215 | 2015/07/20 | Yulong_wang | Change to Share Drawing. |
| C    | LEN1680402~413                   | 2016/08/09 | Yulong_wang | Add 6Pin & IP69K.        |



Note:

- \*  $\varnothing$  Important Dimension.
- \*  $\triangle$  Waterproof Rate: IP68, IP69K.
- \* Housing: Nylon+GF, Black.
- \* Female Pin: Copper Alloy, Gold Plated.
- \* Shield: Zinc Alloy, Nickel Plated.
- \* Ground Pin: Copper Alloy, Gold Plated.
- \* Screw Nut: Zinc Alloy, Nickel Plated.
- \* Panel O-Ring: Viton, Black.
- \* Housing O-Ring: Viton, Green.
- \* Rated Voltage: 3 & 4Pin 250V dc. or ac.  
5Pin 60V dc. or ac.  
6~12Pin 30V dc. or ac.
- \* Rated Current: 3~5Pin 4A  
6~8Pin 2A  
10~12Pin 1.5A
- \* Operating Temperature: -40~105°C
- \* For Panel Thickness Max 4.5mm.
- \* Recommended Nut Torque: 4~6 Kgf.cm.



Pin Assignment Front View

|           |  |               |  |                         |  |                                 |  |             |  |            |  |
|-----------|--|---------------|--|-------------------------|--|---------------------------------|--|-------------|--|------------|--|
| UNIT: mm  |  |               |  | TITLE                   |  | ITEM NO                         |  | DRAWN BY    |  | DATE       |  |
| TOLERANCE |  | $\pm 0.25$    |  | MI2 A-Code Female Conn. |  | DWG NO                          |  | Yulong_wang |  | 2016-08-09 |  |
| .X        |  | $\pm 0.1$     |  | PCB Type Shielded       |  | MSAS-XXPFFP-SF8XXX              |  | CHECKED BY  |  | DATE       |  |
| .XX       |  | $\pm 0.05$    |  | SCALE                   |  | REV.                            |  | Jinhai      |  | 2016-08-09 |  |
| .XXX      |  | $\pm 1^\circ$ |  | SIZE                    |  | WC-REV.                         |  | APPROVED BY |  | DATE       |  |
| ANGLES    |  |               |  | 2:1                     |  | A.5                             |  | Jerry       |  | 2016-08-09 |  |
|           |  |               |  | SHEET                   |  | $\varnothing$ : Inspection item |  | ALTW        |  |            |  |
|           |  |               |  | 1                       |  |                                 |  |             |  |            |  |
|           |  |               |  | OF                      |  |                                 |  |             |  |            |  |
|           |  |               |  | 2                       |  |                                 |  |             |  |            |  |
|           |  |               |  | 3                       |  |                                 |  |             |  |            |  |
|           |  |               |  | 4                       |  |                                 |  |             |  |            |  |
|           |  |               |  | 5                       |  |                                 |  |             |  |            |  |
|           |  |               |  | 6                       |  |                                 |  |             |  |            |  |
|           |  |               |  | 7                       |  |                                 |  |             |  |            |  |
|           |  |               |  | 8                       |  |                                 |  |             |  |            |  |

**Amphenol LTW**  
安費諾亮泰企業股份有限公司

M SAS - XX P F F P - S F 8 XXX

SAS: A-Code Shielded

03: 3Pin

04: 4Pin

05: 5Pin

06: 6Pin 

08: 8Pin

10: 10Pin

12: 12Pin

P: Panel (板端)

F: Female Connector (母座)

001: PG9

002: M16\*1.5

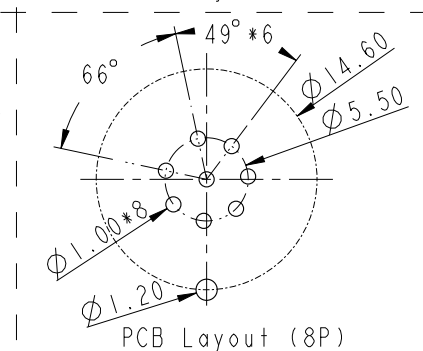
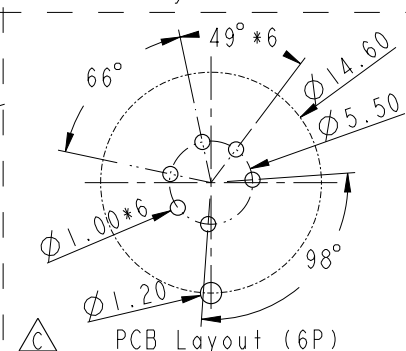
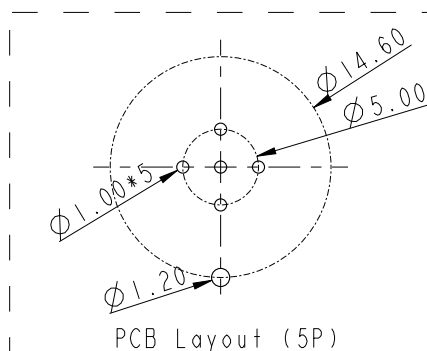
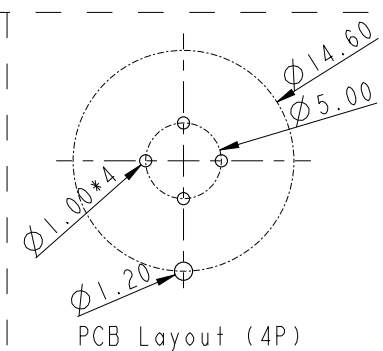
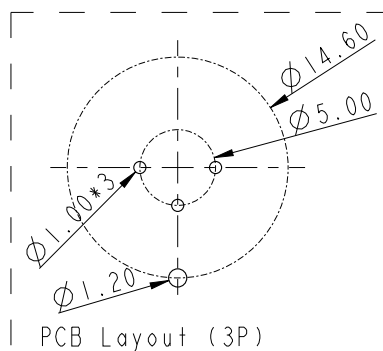
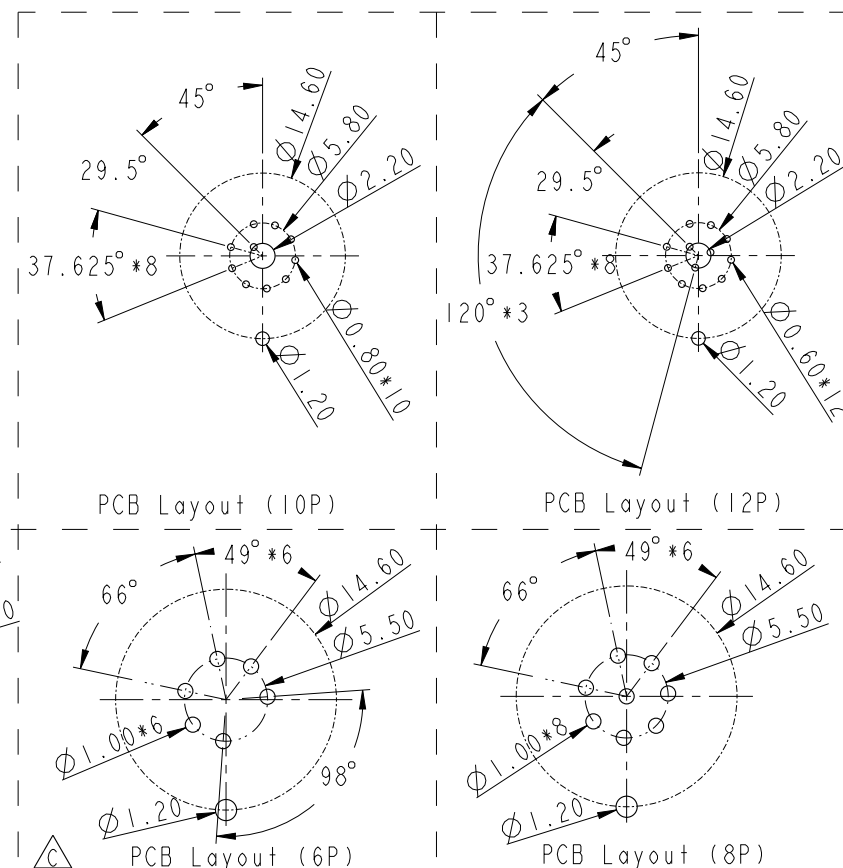
8: IP68/69K (防水等級68/69K) 

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

S: Screw (螺紋式)

P: PCB THT/DIP Type (180° 基板插件式)

F: Female Pin (母Pin)



|                                                             |  |                                                                                     |                                                                                     |                                                       |  |                       |                               |                  |                              |                      |                         |                    |                    |  |
|-------------------------------------------------------------|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------|--|-----------------------|-------------------------------|------------------|------------------------------|----------------------|-------------------------|--------------------|--------------------|--|
| UNIT: mm                                                    |  |  |  | TITLE<br>M12 A-Code Female Conn.<br>PCB Type Shielded |  |                       | Amphenol LTW<br>安費諾亮泰企業股份有限公司 |                  | ITEM NO                      |                      | DRAWN BY<br>Yulong_wang |                    | DATE<br>2016-08-09 |  |
| TOLERANCE<br>.X ±0.25<br>.XX ±0.1<br>.XXX ±0.05<br>ANGLES ± |  | SCALE<br>2:1                                                                        |                                                                                     | SIZE<br>A4                                            |  | SHEET<br>2 OF 2       |                               |                  | DWG NO<br>MSAS-XXPFFP-SF8XXX |                      | CHECKED BY<br>Jinhai    |                    | DATE<br>2016-08-09 |  |
|                                                             |  | REV.<br>C                                                                           |                                                                                     | WC-REV.<br>A.4                                        |  | (QC): Inspection item |                               | CUSTOMER<br>ALTW |                              | APPROVED BY<br>Jerry |                         | DATE<br>2016-08-09 |                    |  |