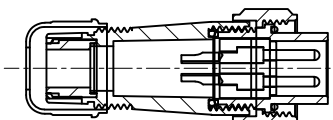
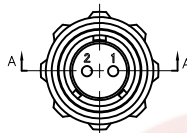
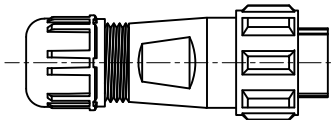
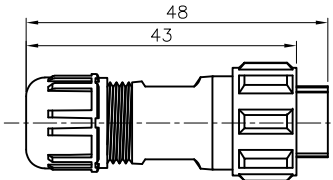
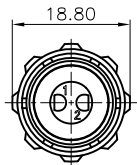


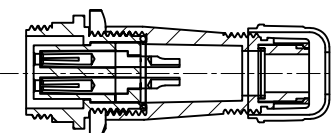
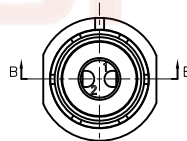
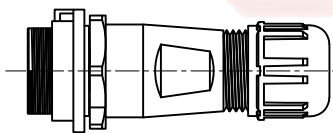
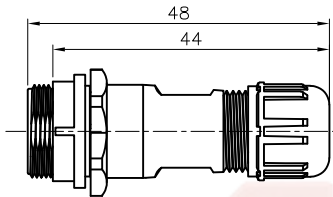
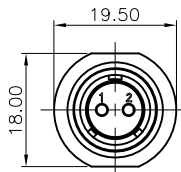
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Male



SECTION A-A

Female



SECTION B-B

| REV. | DESCRIPTION | DRAWN         | CHECKED | APPROVED |
|------|-------------|---------------|---------|----------|
| A    | NEW RELEASE | WPY 02/08/25' |         |          |
|      |             |               |         |          |
|      |             |               |         |          |

NOTE:

- 1.Rated voltage:250V
- 2.Rated current:13A
- 3.Insulation resistance:2000MΩ
- 4.Withstand voltage:1500V
- 5.Operating temperature: -25℃ to +85℃
- 6.Wiring method: Solder
- 7.Mating cycle: 500 cycles

Materials:

- 1.Shell material: PPO,PA66,UL94V-0
- 2.Insulation material: PPS
- High temperature resistance 260℃
- 3.Contact material: Brass with gold plating

Product Number Code:

DS1110-24-X X X X X X

Install Type:

A:Docking Type

Cable diameter:

1:4-6.5mm

2:5-8mm

Contact Plating:

8:Gold flash

Color of nut:

U:blue

Color of housing:

B:Black

No. of Contacts:

2-9

| GENERAL TOLERANCE |       | ANGLE TOLERANCE      |       | PROJECTION                                                                                                                                                       |  | TITLE  | 13mm Waterproof aviation plug<br>(Solder type) |        |
|-------------------|-------|----------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|------------------------------------------------|--------|
| X.                | ±0.60 | X.                   | ±5°   | UNITS                                                                                                                                                            | mm                                                                                    |        |                                                |        |
| .X                | ±0.38 | .X                   | ±3°   | SHEET SIZE                                                                                                                                                       | A4                                                                                    | SERIES | DS1110-24 Series                               |        |
| .XX               | ±0.25 | .XX                  | ±2°   |                                                                                                                                                                  |                                                                                       |        |                                                |        |
| DRAWING TYPE      |       | CUSTOMER             |       | <div><div>晨翔电子有限公司</div><div>CONNFLY CONNFLY ELECTRONIC CO. LTD</div></div> |                                                                                       |        |                                                |        |
| SCALE             |       | 1:1                  | SHEET |                                                                                                                                                                  |                                                                                       |        |                                                | 1 OF 4 |
| DRAWING NO.       |       | C-DS1110-24-XXXXXX-A |       |                                                                                                                                                                  |                                                                                       |        |                                                |        |

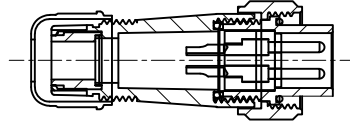
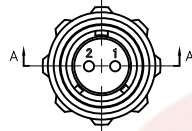
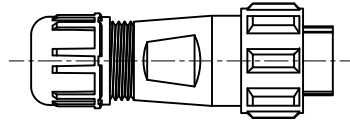
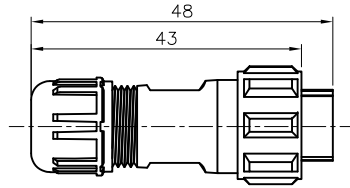
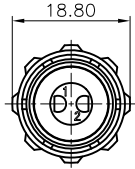


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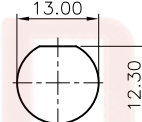
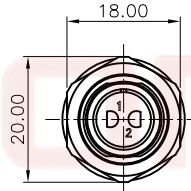
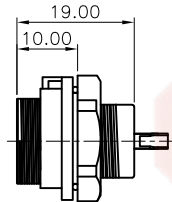
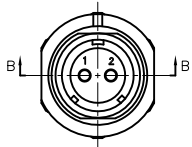
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Male

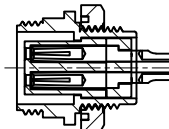


SECTION A-A

Female



Panel cutout  
Plate thickness  $\leq 3\text{mm}$



SECTION B-B

| REV. | DESCRIPTION | DRAWN         | CHECKED | APPROVED |
|------|-------------|---------------|---------|----------|
| A    | NEW RELEASE | WPY 02/08/25' |         |          |
|      |             |               |         |          |
|      |             |               |         |          |
|      |             |               |         |          |

NOTE:

- 1.Rated voltage:250V
- 2.Rated current:13A
- 3.Insulation resistance:2000M $\Omega$
- 4.Withstand voltage:1500V
- 5.Operating temperature:  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- 6.Wiring method: Solder
- 7.Mating cycle: 500 cycles

Materials:

- 1.Shell material: PPO,PA66,UL94V-0
- 2.Insulation material: PPS
- High temperature resistance  $260^{\circ}\text{C}$
- 3.Contact material: Brass with gold plating

Product Number Code:

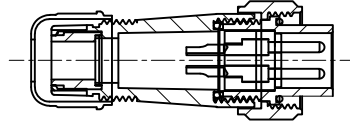
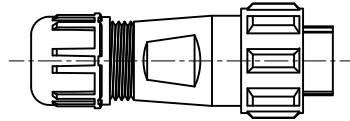
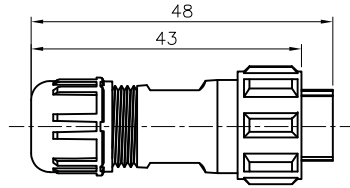
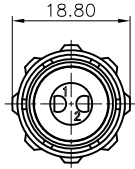
DS1110-24-X X X X X X

- Install Type:
  - B:Rear nut type
- Cable diameter:
  - 1:4-6.5mm
  - 2:5-8mm
- Contact Plating:
  - 8:Gold flash
- Color of nut:
  - U:blue
- Color of housing:
  - B:Black
- No. of Contacts:
  - 2-9

|                   |                      |                 |        |                                                                                                                                                                  |                                                                                       |        |                  |                                                |  |
|-------------------|----------------------|-----------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|------------------|------------------------------------------------|--|
| GENERAL TOLERANCE |                      | ANGLE TOLERANCE |        | PROJECTION                                                                                                                                                       |  | TITLE  |                  | 13mm Waterproof aviation plug<br>(Solder type) |  |
| X.                | ±0.60                | X.              | ±5°    | UNITS                                                                                                                                                            | mm                                                                                    |        |                  |                                                |  |
| .X                | ±0.38                | .X              | ±3°    | SHEET SIZE                                                                                                                                                       | A4                                                                                    | SERIES | DS1110-24 Series |                                                |  |
| .XX               | ±0.25                | .XX             | ±2°    | <div><div>晨翔电子有限公司</div><div>CONNFLY CONNFLY ELECTRONIC CO. LTD</div></div> |                                                                                       |        |                  |                                                |  |
| DRAWING TYPE      |                      | CUSTOMER        |        |                                                                                                                                                                  |                                                                                       |        |                  |                                                |  |
| SCALE             | 1:1                  | SHEET           | 2 OF 4 |                                                                                                                                                                  |                                                                                       |        |                  |                                                |  |
| DRAWING NO.       | C-DS1110-24-XXXXXX-A |                 |        |                                                                                                                                                                  |                                                                                       |        |                  |                                                |  |

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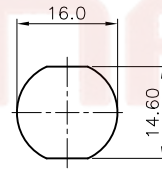
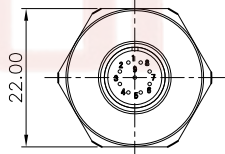
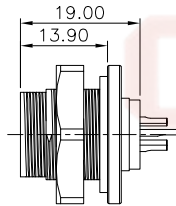
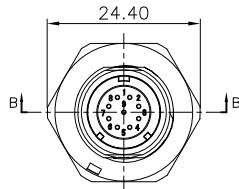
Male



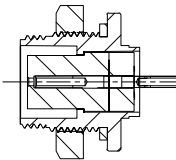
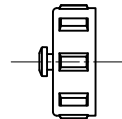
SECTION A-A



Female



Panel cutout  
Plate thickness  $\leq 3\text{mm}$



SECTION B-B

| REV. | DESCRIPTION | DRAWN         | CHECKED | APPROVED |
|------|-------------|---------------|---------|----------|
| A    | NEW RELEASE | WPY 02/08/25' |         |          |
|      |             |               |         |          |
|      |             |               |         |          |

NOTE:

- 1.Rated voltage:250V
- 2.Rated current:13A
- 3.Insulation resistance:2000M $\Omega$
- 4.Withstand voltage:1500V
- 5.Operating temperature:  $-25^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- 6.Wiring method: Solder
- 7.Mating cycle: 500 cycles

Materials:

- 1.Shell material: PPO,PA66,UL94V-0
- 2.Insulation material: PPS
- High temperature resistance  $260^{\circ}\text{C}$
- 3.Contact material: Brass with gold plating

Product Number Code:

DS1110-24-X X X X X X

- Install Type:  
C:Front nut type
- Cable diameter:  
1:4-6.5mm  
2:5-8mm
- Contact Plating:  
8:Gold flash
- Color of nut:  
U:blue
- Color of housing:  
B:Black
- No. of Contacts:  
2-9

|                   |       |                      |       |                                                                                                                                                                  |                                                                                       |        |                  |                                                |  |        |
|-------------------|-------|----------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|------------------|------------------------------------------------|--|--------|
| GENERAL TOLERANCE |       | ANGLE TOLERANCE      |       | PROJECTION                                                                                                                                                       |  | TITLE  |                  | 13mm Waterproof aviation plug<br>(Solder type) |  |        |
| X.                | ±0.60 | X.                   | ±5°   | UNITS                                                                                                                                                            | mm                                                                                    |        |                  |                                                |  |        |
| .X                | ±0.38 | .X                   | ±3°   | SHEET SIZE                                                                                                                                                       | A4                                                                                    | SERIES | DS1110-24 Series |                                                |  |        |
| .XX               | ±0.25 | .XX                  | ±2°   | <div><div>晨翔电子有限公司</div><div>CONNFLY CONNFLY ELECTRONIC CO. LTD</div></div> |                                                                                       |        |                  |                                                |  |        |
| DRAWING TYPE      |       | CUSTOMER             |       |                                                                                                                                                                  |                                                                                       |        |                  |                                                |  |        |
| SCALE             |       | 1:1                  | SHEET |                                                                                                                                                                  |                                                                                       |        |                  |                                                |  | 3 OF 4 |
| DRAWING NO.       |       | C-DS1110-24-XXXXXX-A |       |                                                                                                                                                                  |                                                                                       |        |                  |                                                |  |        |



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A

B

C

D

E

F

G

H

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Dept  
Qty

DC1

ED1

IE1

ISO1

PD1

R&D1

SD1

QA1

QC1

QE1

Solder contact arrangement and spec

| No.of Contacts         | 2                                                                                 | 3                                                                                 | 4                                                                                  | 5                                                                                   | 6                                                                                   | 7                                                                                   | 9                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Malc contact face view |  |  |  |  |  |  |  |
| Rated current（A）       | 13A                                                                               | 13A                                                                               | 5A                                                                                 | 5A                                                                                  | 5A                                                                                  | 5A                                                                                  | 3A                                                                                  |
| Contact diameter       | 1.6*2                                                                             | 1.6*3                                                                             | 1.0*4                                                                              | 1.0*5                                                                               | 1.0*6                                                                               | 1.0*7                                                                               | 0.7*9                                                                               |
| Wiring method          | Solder                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Working Voltage(AC.V)  | 250V                                                                              | 250V                                                                              | 200V                                                                               | 180V                                                                                | 125V                                                                                | 125V                                                                                | 125V                                                                                |
| Test Voltage(AC.V)1min | 1500V                                                                             | 1500V                                                                             | 1500V                                                                              | 1000V                                                                               | 1000V                                                                               | 1000V                                                                               | 1000V                                                                               |
| Contact resistance(mΩ) | 2mΩ                                                                               | 2mΩ                                                                               | 5mΩ                                                                                | 5mΩ                                                                                 | 5mΩ                                                                                 | 5mΩ                                                                                 | 10mΩ                                                                                |
| Wire Size(mm²/AWG)     | ≤2/14                                                                             | ≤2/14                                                                             | ≤0.785/18                                                                          | ≤0.785/18                                                                           | ≤0.785/18                                                                           | ≤0.785/18                                                                           | ≤0.785/18                                                                           |

|                   |                      |                         |                 |                 |                   |            |       |                                                |
|-------------------|----------------------|-------------------------|-----------------|-----------------|-------------------|------------|-------|------------------------------------------------|
| GENERAL TOLERANCE | X.<br>.X<br>.XX      | ±0.60<br>±0.38<br>±0.25 | ANGLE TOLERANCE | X.<br>.X<br>.XX | ±5°<br>±3°<br>±2° | PROJECTION | TITLE | 13mm Waterproof aviation plug<br>(Solder type) |
| DRAWING TYPE      | CUSTOMER             |                         |                 |                 |                   | UNITS      | mm    |                                                |
| SCALE             | 1:1                  | SHEET                   | 4 OF 4          |                 |                   |            |       |                                                |
| DRAWING NO.       | C-DS1110-24-XXXXXX-A |                         |                 |                 |                   | SHEET SIZE | A4    | SERIES DS1110-24 Series                        |



晨翔电子有限公司  
**CONNELY ELECTRONIC CO. LTD**

REV.  
A

DESCRIPTION  
NEW RELEASE

DRAWN  
WPY 02/08/25'

CHECKED  


APPROVED