

WEIPU® 2025



WATERPROOF CONNECTOR

www.weipuconnector.com

About WEIPU

With nearly 30 years of experience, WEIPU provides comprehensive connector products and services, developing connecting solutions adapted to international markets and customers.

Our expertise: We have been on the front lines helping to shape the future of the development of industries. Our products enhance connectivity comfort, safety, and efficiency. The connectors we produce, whose high performance is the result of nearly 30 years of constant innovation, literally act as a link at the heart of the industry.

Our mission: As Industry 4.0 and IoT adoption continues to grow, providing smart connectivity has become a priority for many connector manufacturers. Smart connectivity is becoming a must for many industries to make possible more robust data transmission and reliable performance in critical services and emerging applications. With comprehensive connecting solutions and innovative capability, WEIPU is helping transform traditional technology into smart infrastructures.

Our purpose: We make connectivity solutions connect whether on data, power, or signal connection- across a variety of industries such as renewable energy systems, LED lighting, test & measurement, battery energy storage systems, communications, defense, security, and transportation, etc.

Efficiency & Quality

Termination Solder, Crimp, Screw PC Tail Options	Pin Option From 1-pin to to 61-pin Options	Robust Power (up to 150Amps), Singal, Data, and Hybrid Connection
IP rating IP44 to IP68 Outdoor & Indoor Use	Coupling Thread, Push-pull, Bayonet Options	Custom Service Cable assembly, PC Tail pin, Shielding, Seal Potting



Core Style Overview

Straight Cable Plug 	Angled Cable Plug 	USB3.0/LC/HDMI/RJ45 Plug 	
Straight Cable Receptacle 	Angled Cable Receptacle 	Angled Square Flange Receptacle 	USB3.0/LC/HDMI/RJ45 Receptacle
Square Flange Receptacle 	Two-hole Flange Receptacle 	Rear-nut Receptacle 	Front-nut Receptacle

Applications

Our customers have trusted us in interconnect projects for 30 years and, together with our team of experienced application specialists have turned their first ideas and complex projects into functioning solutions.

WEIPU is active in the fields of application:

- | | |
|--|--|
| <ul style="list-style-type: none">• Renewable Energy• Energy Storage• E-mobility• Lighting• Robotics & Automation• Test & Measurement• Agriculture | <ul style="list-style-type: none">• Security• Traffic Engineering• Railway Technology• Medical Technology• Mechanical Engineering• Heavy Equipment• Consumer |
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*Space and Weight-Saving,
High-Performance
Connectivity*



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New production plants & office buildings
built in 2016
Guangdong | China



Threaded Coupling

IP68



SP series



- Shell Material: PC, Nylon66
- Size: SP11-SP29
- Pin Options: 1-35
- Termination: Solder/Crimp/Screw
- Up to 60A, 500V
- Color options: Blue/ Custom color
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS/ UL approval



NEW!

High Precision - W series

- Shell Material: Brass with chrome plating
- Temperature range: -20°C~+200°C
- Mating Cycle: >1000 times
- Insulation resistance: $\geq 100M\Omega$
- Shielding efficiency: at 10MHz >95dB/at 1GHz >80dB
- Salt spray test: >144hrs
- **Resistance to hydrostatic pressure (mated): ~30bars**

IP67



M23X series

- Shell Material: Zinc alloy with nickel plating
- Type: Power/Signal
- Pin Options: 6&8 (Power); 9-19 (Signal)
- Termination: Crimp
- Up to 28A, 600V (Power); 20A, 300V (Signal)
- Temperature range: -40°C~ +125°C
- Mating Cycle: 1000 times
- CE / RoHS



WA22 series

- Shell Material: Nylon66
- Pin Options: 3+PE & 6+PE
- Termination: Screw/Solder
- 16A, 400V ; 10A, 250V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS/CSA approval



ST12 series

- Shell Material: Zinc alloy with nickel plating
- Pin Options: 2-9
- Termination: Solder
- Up to 13A, 250V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval



NEW!

M12 series Pre-molded cable assembly

- Shell Material: Brass with chrome plating
- Pin Options: 3-12
- Termination: Solder
- Up to 4A, 250V
- Temperature range: -25°C~+85°C
- Mating Cycle: ≥ 100 times
- CE / RoHS approval

IP66-IP67



WL52 series

- Shell Material: Anodized aluminum
- Pin Options: 19
- Termination: Solder
- Up to 25A, 500V
- Color options: Black (standard)/ Blue/Green/Orange/Purple/Red/Yellow
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval

IP55-IP67



WF series

- Shell Material: Zinc alloy with chrome plating
- Size: WF16-WF55
- Pin Options: 1-61
- Termination: Solder/Crimp/Screw
- Up to 150A, 500V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval

IP55-IP65



WD28 series

- Shell Material: Zinc alloy with nickel plating
- Pin Options: 4 & 15
- Termination: Solder
- Up to 50A, 500V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval

Indoor Use



WS series

- Shell Material: Zinc alloy with chrome plating
- Size: WS16-WS55
- Pin Options: 1-61
- Termination: Solder/Crimp/Screw
- Up to 150A, 500V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval



WB series

- Shell Material: Zinc alloy with chrome plating
- Size: WB25 & WB30
- Pin Options: 4&7
- Termination: Solder
- Up to 30A, 500V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval

Bayonet Coupling

IP67



SY series

- Shell Material: PC, Nylon66
- Size: SY11-SY29
- Pin Options: 1-35
- Termination: Solder/Crimp/Screw
- Up to 60A, 500V
- Color options: Blue/ Custom Color
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS/ UL approval



SY25 Data series

- Shell Material: PC, Nylon66
- USB3.0/LC/HDMI2.0/RJ45
- Ethernet Class E/Cat 5 (10-100Mbps); Class E/Cat 6 (100-1000Mbps)
- Temperature range: -20°C~+70°C
- Mating Cycle: 1500 times(USB3.0); 1000 times (LC); 500 times (HDMI2.0/RJ45)
- CE / RoHS approval



WY12 series

- Shell Material: Zinc alloy with chrome plating
- Pin Options: 2-9
- Termination: Solder
- Up to 13A, 250V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval



WY24 Data series

- Shell Material: Zinc alloy with chrome plating
- USB3.0/LC/HDMI2.0/RJ45
- Ethernet Class E/Cat 5 (10-100Mbps); Class E/Cat 6 (100-1000Mbps)
- Temperature range: -20°C~+70°C
- Mating Cycle: 1500 times (USB3.0); 500 times (LC/HDMI2.0/RJ45)
- CE / RoHS approval



RJ45 series

- Shell Material: PC
- Ethernet Cat 6 (100-1000Mbps)
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval

IP65



WAC3 series

- Shell Material: PC, Nylon66
- Up to 20A, 250V
- Termination: Plug: Screw; Socket: 3/16" Flat Tab Terminals
- Temperature range: -40°C~+85°C
- Mating Cycle: 1000 times
- CE / RoHS approval



WY series

- Shell Material: Zinc alloy with chrome plating
- Size: WY12-WY55
- Pin Options: 1-61
- Termination: Solder/Crimp/Screw
- Up to 150A, 500V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval



WP20 series

- Shell Material: Nylon66/ Zinc alloy
- Pin Options: 1-15
- Termination: Solder/Screw /Crimp
- Up to 30A, 500V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval



WT29 series

- Shell Material: Nylon PA66
- Pin Options: 3 & 5
- Termination: Solder
- Up to 10A, 400V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval

Indoor Use



Push-Pull Coupling

IP67



SF series



- Shell Material: Brass with chrome plating
- Size: SF6-SF20
- Pin Options: 1-15
- Termination: Solder/Crimp/Screw
- Up to 30A, 500V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS/ UL approval



SA series

- Shell Material: Anodized aluminum
- Size: SA6-SA28
- Pin Options: 1-35
- Termination: Solder/Crimp/Screw
- Up to 60A, 500V
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval
- Color options: Standard: Black/Silver; Special: Blue/Green/Red



SA24 Data series

- Shell Material: Anodized aluminum
- RJ45/USB3.0/LC/HDMI2.0
- Ethernet Class E/Cat 5 (10-100Mbps); Class E/Cat 6 (100-1000Mbps)
- Temperature range: -20°C~+70°C
- Mating Cycle: 1000 times (USB3.0); 500 times (LC/HDMI2.0/RJ45)
- CE / RoHS approval
- Color options: Standard: Black/Silver; Special: Blue/Green/Red



SF24 Data series

- Shell Material: Brass with chrome plating
- RJ45/USB3.0/LC/HDMI2.0
- Ethernet Class E/Cat 5 (10-100Mbps); Class E/Cat 6 (100-1000Mbps)
- Temperature range: -20°C~+70°C
- Mating Cycle: 500 times
- CE / RoHS approval

Self-latching Connection

IP50



B series

NEW!

- Shell Material: Brass with chrome plating
- Temperature range: -55°C~+250°C
- **Mating Cycle: >5000 times**
- Insulation resistance: $\geq 100M\Omega$
- Shielding efficiency: at 10MHz >75dB/at 1GHz >40dB
- Protection: IP50
- Salt spray test: >144hrs



P series

NEW!

- Shell Material: PSU
- Temperature range: -50°C~+150°C
- Mating Cycle: >1000 times
- Insulation resistance: $\geq 100M\Omega$
- Protection: IP50
- Salt spray test: >144hrs

Push-lock Coupling

IP68



WK series

NEW!

- Shell Material: PPE/Zinc alloy
- Size: WK16-WK28
- Pin Options: 1-35
- Termination: Solder/Crimp/Screw
- Up to 50A, 500V
- Temperature range: -40°C~+105°C
- Mating Cycle: 500 times

Hybrid Connector

Combine both **Signal** and **Power** in one connection.



WEIPU provides a solution with a design providing up to 150 amps of power while simultaneously delivering high-speed signal transmission.



Reliable Connection

Higher performance with fast signal communication and power connection with up to 150 Amps.

Up to IP68

The high sealing performance secures applications' operation even under hostile environments.

Anti-Vibrating

Bayonet coupling ensures safe locking even in high shock and vibration applications.

Product Line

WEIPU hybrid connectors offer multiple choices. With different terminations (Solder, Crimp, Screw), shell material (Metal, Plastic), IP rating (up to IP68), and 4-pin to 53-pin options, we can best meet different industries' needs.

Metal



SF series



SA series



WS series



WF series



WY series



WD28 series

Plastic



SP series



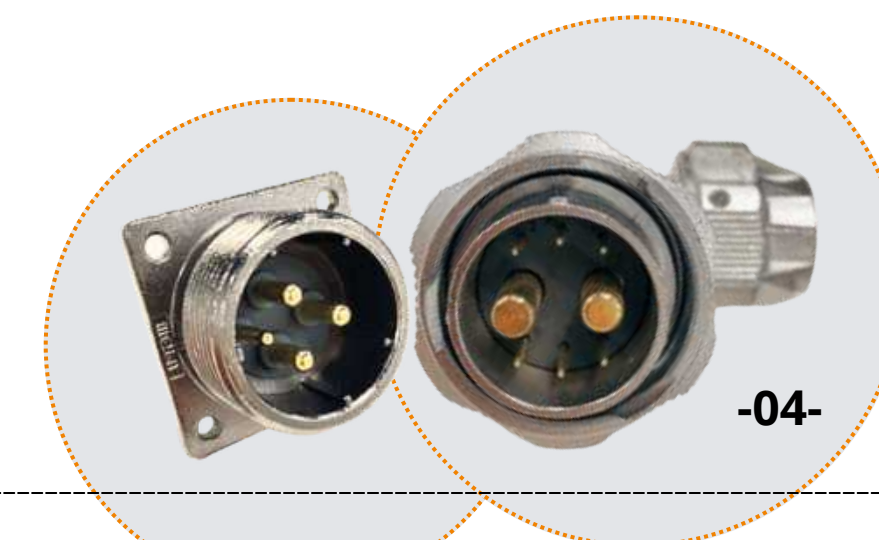
SY series



WP20 series



WK series



Data Connector

WEIPU Data connectors are designed specifically for USB, LC, HDMI, and RJ45 applications. With up to IP67-rated environmentally sealed function, the connectors provide secure and safe connections in harsh environments.



SA24 series

- Shell Material: Anodized aluminum
- RJ45/USB3.0/LC/HDMI2.0
- Ethernet Class E/Cat 5 (10-100Mbps); Class E/Cat 6 (100-1000Mbps)
- Temperature range: -20°C~+70°C
- Mating Cycle: 1000 times (USB3.0); 500 times (LC/HDMI2.0/RJ45)
- CE / RoHS approval
- Color options: Standard: Black/Silver; Special: Blue/Green/Red



SF24 series

- Shell Material: Brass with chrome plating
- RJ45/USB3.0/LC/HDMI2.0
- Ethernet Class E/Cat 5 (10-100Mbps); Class E/Cat 6 (100-1000Mbps)
- Temperature range: -20°C~+70°C
- Mating Cycle: 500 times
- CE / RoHS approval



WY24 series

- Shell Material: Zinc alloy with chrome plating
- RJ45/USB3.0/LC/HDMI2.0
- Ethernet Class E/Cat 5 (10-100Mbps); Class E/Cat 6 (100-1000Mbps)
- Temperature range: -20°C~+70°C
- Mating Cycle: 1500 times (USB3.0); 500 times (LC/HDMI2.0/RJ45)
- CE / RoHS approval



SY25 series

- Shell Material: PC, Nylon66
- USB3.0/LC/HDMI2.0/RJ45
- Ethernet Class E/Cat 5 (10-100Mbps); Class E/Cat 6 (100-1000Mbps)
- Temperature range: -20°C~+70°C
- Mating Cycle: 1500 times (USB3.0); 1000 times (LC); 500 times (HDMI2.0/RJ45)
- CE / RoHS approval



RJ45 series

- Shell Material: PC
- Ethernet Cat 6 (100-1000Mbps)
- Temperature range: -40°C~+85°C
- Mating Cycle: 500 times
- CE / RoHS approval



High Precision Connector

WEIPU high-precision connectors are engineered for critical applications in high-end industries, including medical devices, robotics, automation, and aviation. They are designed to deliver precise connections, robust durability, and superior environmental sealing.



B series Self-latching

Standard Multi-pin

- Shell Material: Brass with chrome plating
- Temperature range: -55°C~+250°C
- **Mating Cycle: >5000 times**
- Insulation resistance: $\geq 100\text{M}\Omega$
- Shielding efficiency:
at 10MHz >75dB/at 1GHz >40dB
- Protection: IP50
- Salt spray test: >144hrs



W series Thread

Watertightness

- Shell Material: Brass with chrome plating
- Temperature range: -20°C~+200°C
- Mating Cycle: >1000 times
- Insulation resistance: $\geq 100\text{M}\Omega$
- Shielding efficiency:
at 10MHz >95dB/at 1GHz >80dB
- **Protection: IP68**
- Salt spray test: >144hrs
- **Resistance to hydrostatic pressure (mated): ~30bars**



P series Self-latching

Fits for Medical use

- Shell Material: PSU
- Temperature range: -50°C~+150°C
- Mating Cycle: >1000 times
- Insulation resistance: $\geq 100\text{M}\Omega$
- Protection: IP50
- Salt spray test: >144hrs





Cable Assembly & Overmolding

With UL-approved cable harnesses, Weipu is committed to providing reliable customized assembled cable solutions.

- *Cable Assembly:*
All series available
- *Cable Overmolding:*
M12/SF/SA/SP/SY series available



PC Tail Pin

PCB pin can be customized with the size of the PCB pin diameter from Φ 0.6 to Φ 3.

- *SF/SA/ST/SP/SY/WS/WF/WY/WP series are available.*



Multiple-hole entry

This solution gives cost savings and space savings. It answers the need when several cables need to be terminated into one single cord grip.



Custom Color

We offer custom shell color services to meet the demand for different color solutions from industries.

Shielding Circle

To meet the rising need of different industries for shielding functions, WEIPU offers a custom shielding circle with a grounding arrangement.

Potting sealing

- Provide additional strain relief for cables and contacts.
- Seal the rear of the connector against moisture and dust.
- Offer strong shock resistance, impact resistance, and deformation resistance.



Cable Gland



Plastic Material



Metal Material



Plastic Accessories



Metal Accessories



Plastic & Metal Hose

Adapter



Junction Box



Crimp Contact Spec & Tool



For Series:
SA/SF/SP/SY/WP/M23X
WS/WF/WY/WK

Others

To offer comprehensive connecting solution to meet different requirements from various industries, we also offer heavy duty and CEE connectors.

Heavy Duty (Rectangular Connector)



Space Saving, Low-maintenance, for Harsh Environments

Inserts:

- UL94 V-0 thermoplastic material
- Terminations: Screw, Crimp, Cage Clamp, Axial Screw

Hoods/Housing:

- Plastic & Metal material
- Up to IP69K protection

Design Standard:

IEC61984, IEC60664-1, IEC60352, IEC60529, EN175301-801

CEE connector & Distribution box

Robust Design, High Current & Voltage



Plug



Socket



Distribution box



IP68

Sealing Protection

30

Years of Experience

150+

Product Series

100+

Countries Serving

10+

Covered Industries



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***"WEiPU, Smart & Waterproof
Connection Provider"***



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