

SPECIFICATION

REV : XA

DATE : 24-AUG-2017

TITLE : LP24 series waterproof connector

	APPROVED	CHECKED	PREPARED
NAME	Ferry	Robin	William

- **Material Designation:** LP24 series waterproof connector



- **Materials Processes, Surface Treatment**

- **Contact**

Materials: Male Pin: Brass; Female Pin: Phosphor Bronze

Processes: Machining

Surface Treatment: Gold Plating for 4u" over nickel

- **Shell**

Materials: PBT

Processers: Injection

- **Insulator**

Materials :PBT

Processes: Injection

Color: Black

- **Material Introduction:**

- **Basic Information**

The performance of this connector is in conformity with Linko electric enterprise standard(in accordance with the TIA/EIA 568, MIL, IEC, CNS, etc.). the socket and adapter plug use spring snap lock for connection, convenient and reliable, shock resistance. The socket is mounted on the panel through the square flange, and the contact part shall be welded with the end of the conductor.

Offer standard insert arrangements from 3-24 pins.

- **Packing and Storage:**

The production are packed in plastic bag, The packing list must be set in every carton, which has been given clear information of material designation, part number, production order number、packet quantity and total product quantity. The packaged production should be stored in the storeroom ,in which Environment Temperature is $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$,Relative

humidity≤85%,no acidic, alkaline and other corrosive gases.

■ **Mating Type.**

Mated with: LP24 connector(male)

■ **Applicable Standards :** TIA/EIA 568、MIL、IEC、CNS Standards

■ **Process Requirements**

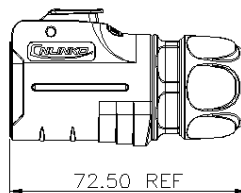
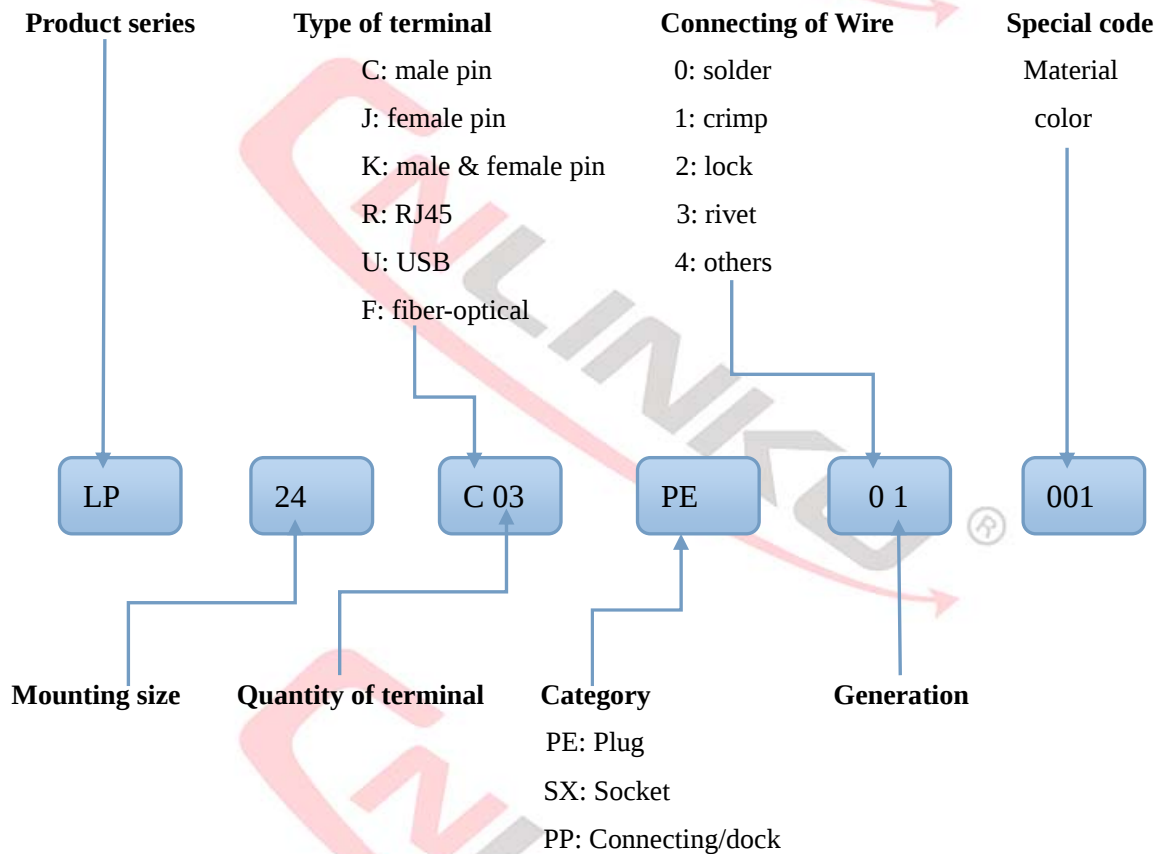
◆ **According to form of terminal**

The form of terminal is welding, the welding must be firm and cannot have pseudo soldering

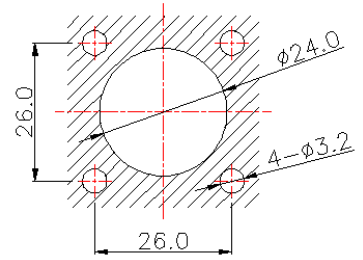
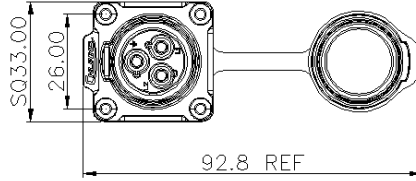
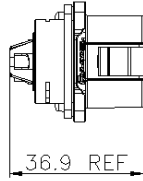
◆ **According to form of mounting**

Please see the mounting hole figure.

PRODUCT CODE



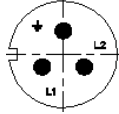
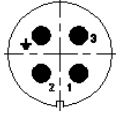
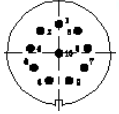
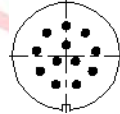
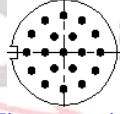
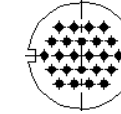
LP-24-C___PE-XX-001 Plug



LP-24-J__SX-XX-001 Socket

Mounting hole

● Product Characteristics Form

Number of pins	 Three pins	 Four pins	 Ten pins	 Twelve pins	 Nineteen pins	 Twenty-four pins
Rated current	25A		10A		5A	
Operating voltage	500V		400V		150V	
Withstanding voltage	2500V		2500V		1500V	
Contact resistance	<1.0mΩ		<2.5mΩ		<5.0mΩ	
Temperature rise	25A 30℃ ↓ ; 30A 40℃ ↓ ; 35A 50℃ ↓ ;		10A 30℃ ↓ ; 12A 40℃ ↓ ; 15A 50℃ ↓ ;		5A 30℃ ↓ ; 7A 40℃ ↓ ; 10A 50℃ ↓ ;	
Contact diameter	Φ 3.0*3	Φ 3.0*4	Φ 1.5*10	Φ 1.5*12	Φ 1.0*19	Φ 1.0*24
Insertion and extraction force	4.5N Max.	6.0N Max.	14N Max.	16N Max.	19N Max.	22N Max.
Mating cycle	1700 times					
Screw torque	42-53 (N·m) Torque wrench 200 (N·m)					
Temperature and humidity	-40℃ ~ +80℃ ; 40℃, 85%RH.					
Vibration	Frequency: 5~200Hz, Amplitude: 5mm, Speed : 10m/s, No instantaneous short circuit in 0.10us.					
Impact resistance	294m/s ²					
Salt Spray	PH6.5-7.2, NaCl, 5% 48H					
Applicable wire diameter	Scope of application (OD: Φ4-Φ14) mm. With waterproof ring (Φ7mm、Φ14mm)					
Protection level	IP67					
Certification standard	Comply with the TUV and UL certification standards					