



- **Material Designation:** DH24 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: Zinc alloy

Processers: Die-casting

Surface Treatment: Nickel plating

- **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.). With zinc alloy to reduce external electromagnetic interference. You can choose different color in different environment. Metal and silica gel cover are optional to be used in different environment. With military standard screw type locking. The contact part shall be welded with the end of the conductor.

Offer standard insert arrangements from 2-24 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  $\leq 85\%$ ,no acidic, alkaline and other corrosive gases.

■ **Mating Type.**

Mated with: DH24 connector (male)

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

■ **Process Requirements**

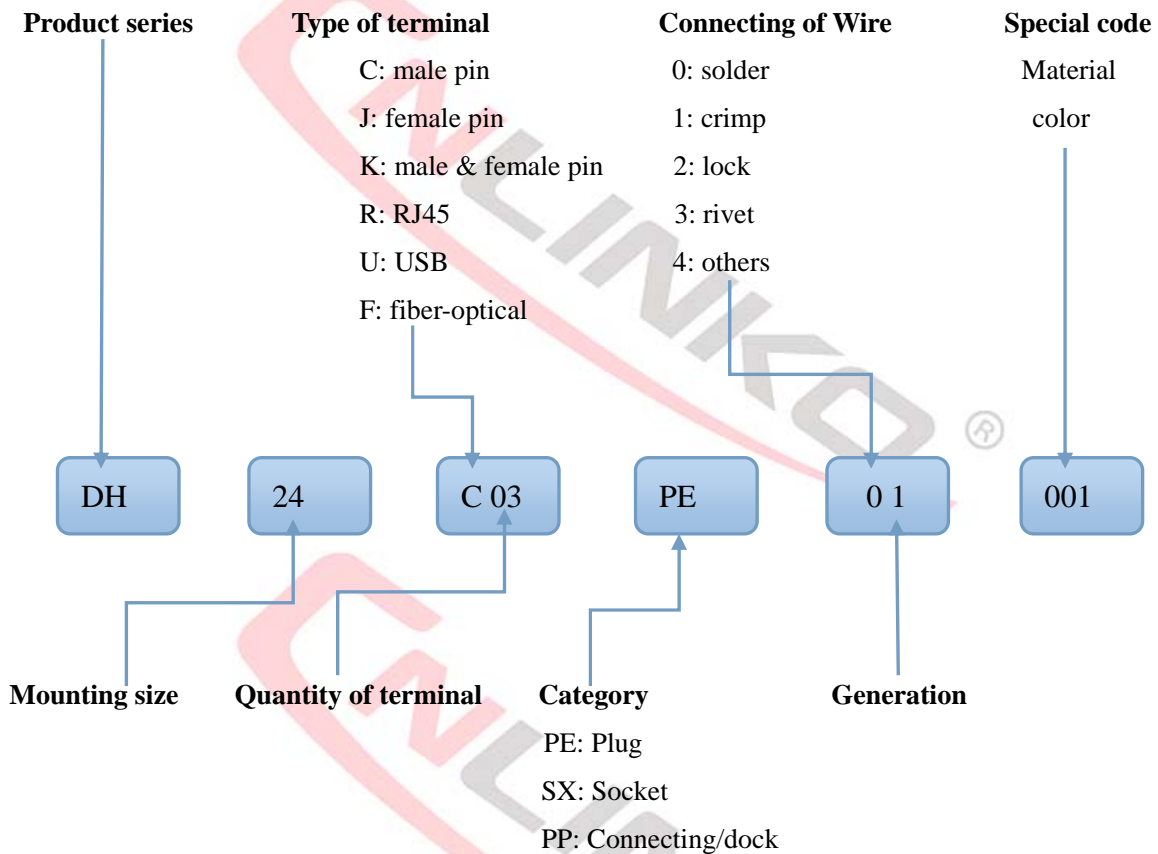
◆ **According to form of terminal**

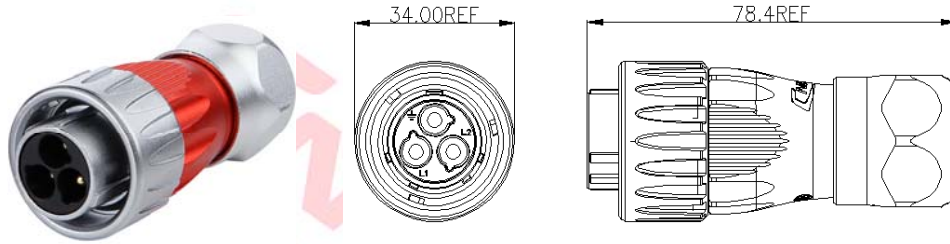
The form of terminal is welding, the welding must be firm and cannot have pseudo soldering

◆ **According to form of mounting**

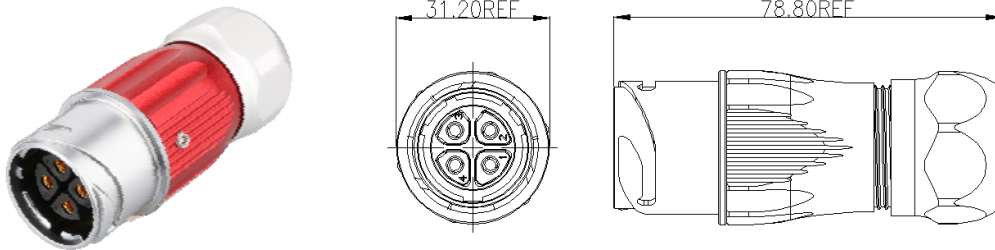
Please see the mounting hole figure.

### PRODUCT CODE

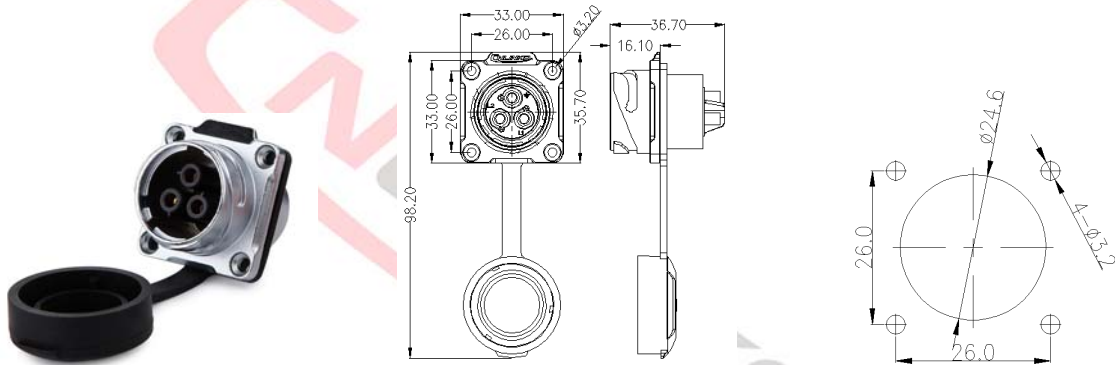




DH-24-C XX PE-XX-001 Plug

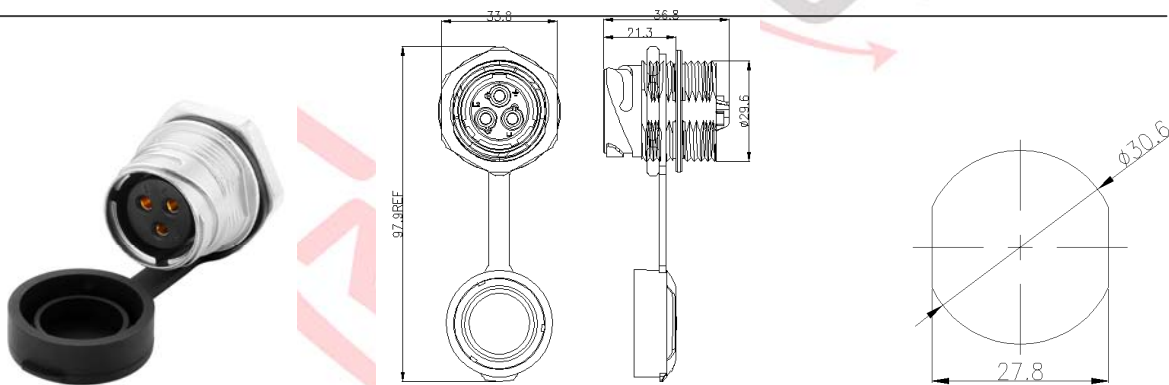


DH-24-J XX PP-XX-001 Butt Socket



DH-24-J XX\_SX-XX-001 Socket



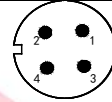
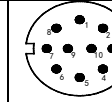
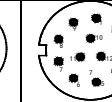
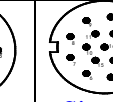
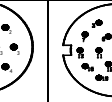
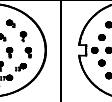
Mounting hole



DH-24-J XX SX-XX-001 Socket

Mounting hole

● Product Characteristics Form

Number of pins	 Two pins	 Three pins	 Four pins	 Ten pins	 Twelve pins	 Sixteen pins	 nineteen pins	 twenty-four pins
Rated current	25A	25A	25A	10A	10A	5A	5A	5A
Operating voltage	500V	500V	500V	400V	400V	250V	250V	250V
Withstanding voltage	2500V	2500V	2500V	2500V	2500V	1500V	1500V	1500V
Contact resistance	<1.0mΩ	<1.0mΩ	<1.0mΩ	<2.5mΩ	<2.5mΩ	<5.0mΩ	<5.0mΩ	<5.0mΩ
Temperature rise	25A 30°C ↓ ; 30A 40°C ↓ ; 35A 50°C ↓ ;			10A 30°C ↓ ; 12A 40°C ↓ ; 15A 50°C ↓ ;		5A 30°C ↓ ; 7A 40°C ↓ ; 10A 50°C ↓ ;		
Contact dimension	∅3.0*2	∅3.0*3	∅3.0*4	∅1.5*10	∅1.5*12	∅1.0*16	∅1.0*19	∅1.0*24
Insertion and extraction force	3.6N Max.	5.4N Max.	7.2N Max.	6.0N Max.	7.2N Max.	4.8N Max.	5.7N Max.	7.2N Max.
Mating cycle	1700 times							
Temperature and humidity	-40°C ~ +80°C; 40°C, 85%RH.							
Vibration	Frequency:5~200Hz, Amplitude:5mm, Speed :10m/s, No instantaneous short circuit in 0.10us.							
Impact resistance	294m/s <sup>2</sup>							
Salt spray	PH6.5-7.2, NaCl, 5% 48H							
Wire specification	2.5mm <sup>2</sup> -4mm <sup>2</sup> /12-14AWG			1.0mm <sup>2</sup> -1.5mm <sup>2</sup> /16-18AWG		0.15mm <sup>2</sup> -0.2mm <sup>2</sup> /24-26AWG		
Applicable wire diameter	Scope of application (OD: ∅8-∅12) mm			Scope of application (OD: ∅8-∅10) mm		Scope of application (OD: ∅8-∅10) mm		
Protection level	IP67							
Certification standard	Comply with the TUV and UL certification standards							
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