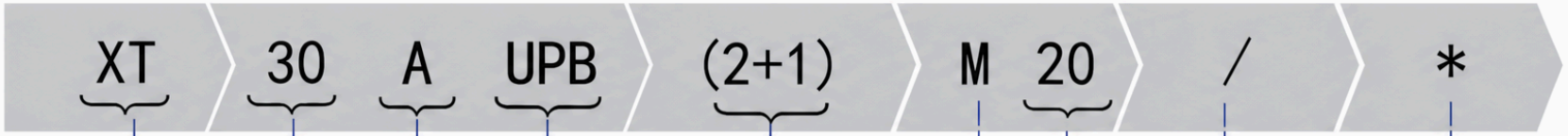
Model Description of Amass Products



Product Series:
XT, MT,
MR, SH....

Product Specification:
30, 60,
90, 150...

Lantern Spring Contact

Insulator Specification:
PB, PM, PT.....

Contact Arrangement:
(2+1), (2+2) ...

Connector Gender:
-F=Female (Socket)
-M=Male (Plug)

Solder Tail Specification:
2mm, 3mm

Contact Plating:
G=Gold Plated,
N=Nickel Plated...

Product Color:
Y=Yellow,
B=Black....

Amass Product Specification

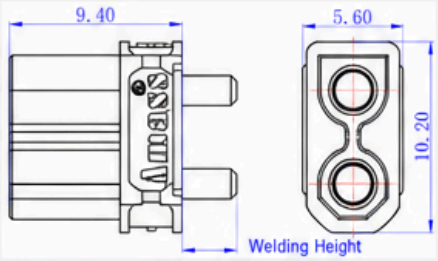
1、Product Description

The vertical through-hole 2PIN connector is designed to provide an integrated solution for PCB boards with limited space. It features gold-plated and nickel-plated options, with two choices for the plating layer. Additionally, it offers a wire side design for 1-wire or multi-wire compatibility.

2、Application Areas

☑ Lithium Battery ☐ Motor ☐ Controller ☐ Charger ☐ Others

3、Product Illustration

Product Image	Outline Drawing
	

Product Model	Welding Height
XT30UPB30-F. G. *	3. 0mm

4、Specifications

Material	Specification	Plating	Plating Thickness
Metal Parts	H59-1	G: Gold Plated (Au)	0. 03μm
Material	**Specification**	**Color**	**Flame Rating**
Housing	PA66	*: Y=Yellow, B=Black	UL94-V0

5、Performance Table

Electrical Performance	Test Method	Performance
Rated Voltage	UL1977	DC 500V
Rated Current	UL1977	15A
Contact Resistance	GB/T5095. 2	1. 20mΩ
Insulation Resistance	GB/T5095. 2	2000MΩ
Withstanding Current	&A 1min、<80℃	30A
Temperature Rise	UL1977	15A 4h <60℃
Wire Gauge	GB/T2900. 18	3. 46mm
Mechanical Performance	**Standard**	**Performance**
Insertion Force	GB/T5095. 8	1. 2kg-3. 5kg
Withdrawal Force	GB/T5095. 8	1. 2kg-3. 5kg
Durability	GB/T5095. 1	100 times
Protection Level	GB/T4208	IP40
Environmental Performance	**Standard**	**Performance**
Operating Temperature	GB/T 2423. 3	-20℃ to 120℃
Salt Spray	GB/T 2423. 17	48h

6、Current Carrying Capacity Recommendation

mm^2	Temperature Rise 60℃	Temperature Rise 85℃
16#	20A	25A
18#	15A	20A
20#	10A	15A

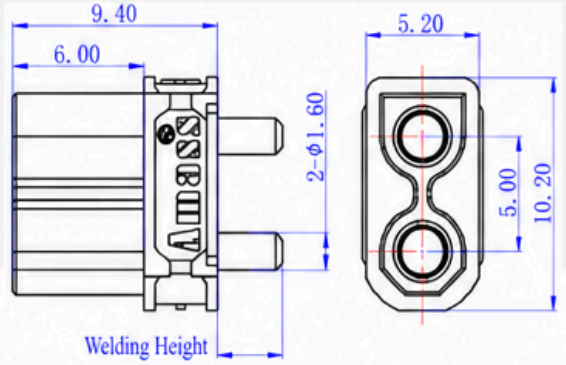
7. Configuration Instructions

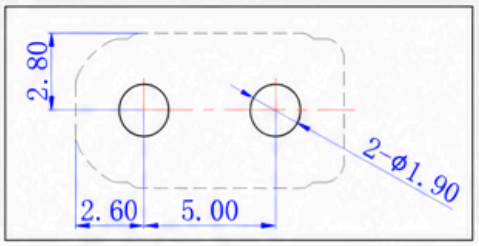
☐ With Cover ☐ With Latch ☐ Waterproof ☐ Fireproof

8. Qualification Certification

☑ UL ☐ CE ☑ RoHS 2.0 ☐ Reach

9. Installation Recommendations





Mounting Hole Diagram



Precautions:

During use, please do not exceed the specified current and voltage.



- Exceeding the rated current and voltage may cause failure or accidents.
- When used beyond the rated condition, the connector and its internal components may fail or cause accidents. Therefore, please use the connector in an unpowered state when connecting or disconnecting.

Do not connect or disconnect under load



- Do not connect or disconnect while the connector and wiring are energized. Excessive external force may cause failure or accidents. Therefore, do not connect or disconnect the connector under this condition.
- The connector is only a component of the circuit and device design; therefore, do not use the connector as a structural part of the device or equipment.

Use in appropriate environments



- Do not use in high-temperature or high-humidity environments.
- Do not use in environments outside the specified conditions. Doing so may cause failure. Therefore, do not use under such conditions.

Handle with care



- The connector is a precision component. Handle with care during use.
- Be careful when opening the packaging. Rough handling of the packaging or the product inside may cause severe impact, resulting in end deformation, bending, breakage, etc.

Prepared by: Checked by: Approved by: