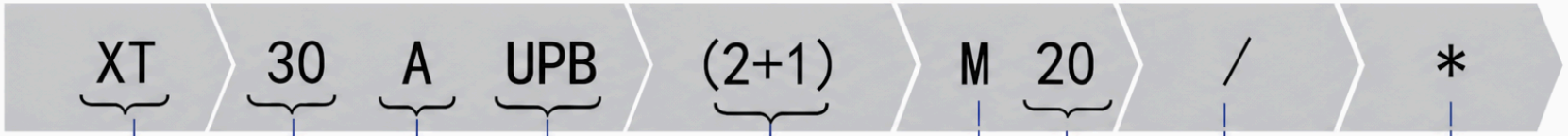
Model Description of Amass Products



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

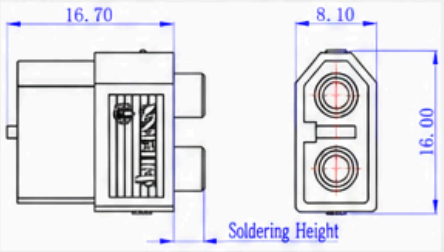
1. Product Description

Right-angle 2PIN connector, designed to provide an integrated solution for connecting to PCB boards in constrained spaces. It offers two plating options for the contacts: gold plating and nickel plating, as well as a wire soldering design.

2. Application

☑ Battery ☐ Motor ☐ Controller ☐ Charger ☐ Others

3. Product Illustration

Product Photo	Outline Drawing
	

Part Number	Soldering Height
XT60PB30-F. G. *	3. 0mm

4. Specifications

Material	Specification	Plating	Plating Thickness
Metal Parts	H59-1	G2: Gold Plating (Au)	0. 03μm
Material	**Specification**	**Color**	**Flammability Rating**
Plastic Shell	PA66	*: Y=Yellow, B=Black	UL94-V0

5. Performance Table

Electrical Performance	Test Method	Characteristics
Rated Voltage	UL1977	DC 500V
Rated Current	UL1977	20A
Contact Resistance	GB/T5095. 2	0. 60mΩ
Insulation Resistance	GB/T5095. 2	2000MΩ
Momentary Current	&A 1min ＜80℃	40A
Temperature Rise	UL1977	20A 4h ＜60℃
Wire Pull-off Force	GB/T2900. 18	6. 08mm
Mechanical Performance	**Standard**	**Characteristics**
Insertion Force	GB/T5095. 8	1. 8kg~4. 5kg
Extraction Force	GB/T5095. 8	1. 8kg~4. 5kg
Durability	GB/T5095. 1	100 times
Ingress Protection	GB/T4208	IP40
Environmental Performance	**Standard**	**Characteristics**
Operating Temperature	GB/T 2423. 3	-20℃ to 120℃
Salt Spray	GB/T 2423. 17	48h

6. Current Carrying Capacity

mm²	Temp Rise 60℃	Temp Rise 85℃
12#	40A	45A
14#	30A	35A
16#	25A	30A

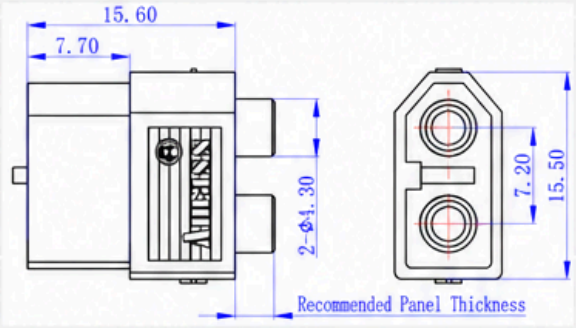
7. Configuration Description

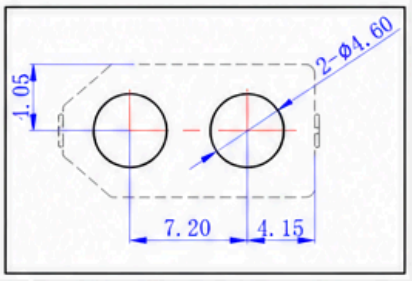
☐ With Cover ☐ With Latch ☐ Waterproof ☐ Fire Retardant

8. Compliance Certification

☐ UL ☑ CE ☑ RoHS 2.0 ☐ Reach

9. Installation Recommendation





Mounting Hole Diagram



Important Notes:

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



- Overcurrent and overvoltage can lead to malfunction or accidents.
- When the connector is in an energized state, connecting or disconnecting it may cause arcing, leading to malfunction or accidents. Therefore, please ensure the connector is unplugged when not in use.

Do not use the connector under mechanical stress



- Do not use the connector under mechanical stress from wires or cables. Excessive external force can cause malfunction or accidents.
- As the connector is a component designed for electrical connection, do not use it as a structural component or a part of a load-bearing structure.

Ensure proper operating environment



- Do not use in environments with high ambient temperatures or high humidity.
- Do not use in environments that do not meet the requirements specified in the product specifications, as this may cause malfunction. Therefore, do not use under such conditions.

Handle with care



- The connector is a precision component; please handle with care during use.
- Please handle with care when opening the package and when removing the product, as it is susceptible to strong impact and may cause deformation, bending, or detachment.

Prepared by: Checked by: Approved by: