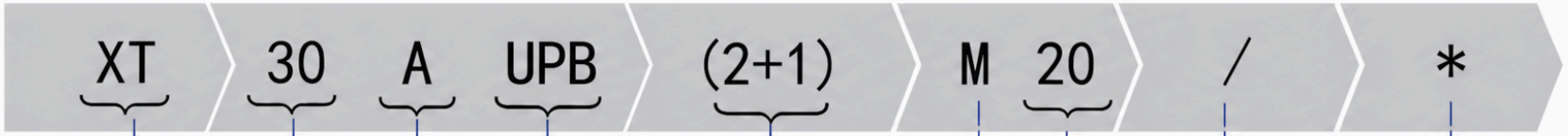
Model Description of Amass Products



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....

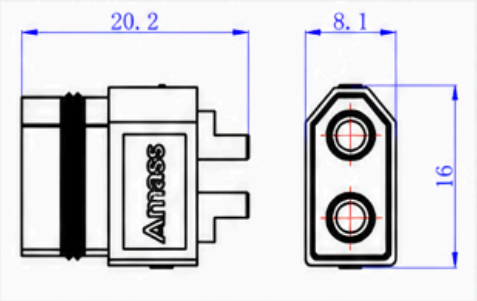
Amass Product Specification

1. Product Description

2. Application

☑ Lithium Battery ☐ Motor ☐ Controller ☐ Charger ☐ Others

3. Product Illustration

Model	Product Image	Dimensional Drawing
XT60W-F. G. *		

4. Specifications

Material	Specification	Plating	Thickness
Metal Parts	H59-1	G: Gold Plated (Au)	0.03μm
Material	**Specification**	**Color**	**Flammability Rating**
Housing	PA66	*:B=Black	UL94-V0

5. Performance

Electrical Performance	Test Method	Performance
Withstanding Voltage	UL1977	DC 500V
Rated Current	UL1977	20A 16#
Contact Resistance	GB/T5095.2	0.60mΩ
Insulation Resistance	GB/T5095.2	2000MΩ
Instantaneous Current	&A 1min ＜80℃	40A 16#
Temperature Rise	UL1977	20A 4h ＜60℃ 16#
Wire Pullout Force	GB/T2900.18	6.14mm
Mechanical Performance	**Standard**	**Performance**
Insertion Force	GB/T5095.8	1.8kg~4.5kg
Extraction Force	GB/T5095.8	1.8kg~4.5kg
Durability	GB/T5095.1	100 times
Protection Class	GB/T4208	IP40
Environmental Performance	**Standard**	**Performance**
Operating Temperature	GB/T 2423.3	-20℃ to 120℃
Salt Spray	GB/T 2423.17	48h

6. Wire Recommendation

AWG	Temperature 60℃	Temperature 85℃
12#	40A	45A
14#	30A	35A
16#	25A	30A

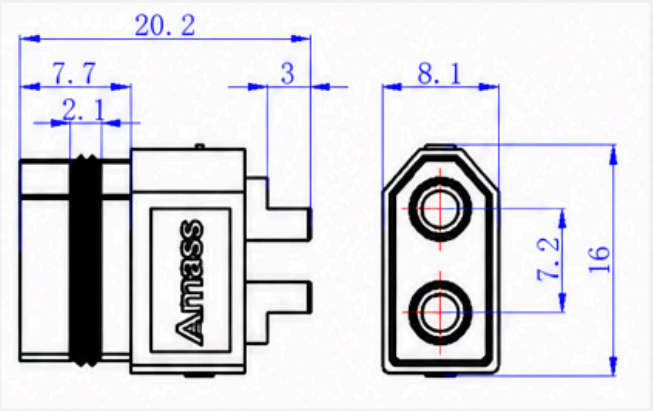
7. Options

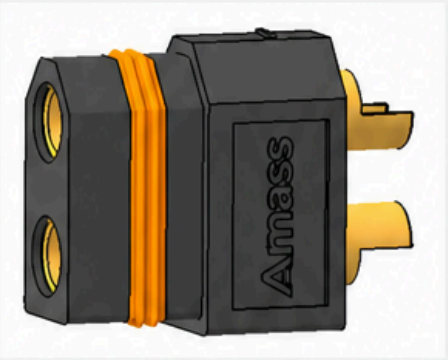
☐ With dust cover ☐ With latch ☐ Waterproof ☐ Fireproof

8. Certifications

☐ UL ☑ CE ☑ RoHS 2.0 ☐ Reach

9. Installation Recommendation





Installation Reference Drawing

Important:

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



- Excessive current and voltage may cause malfunction or accidents.
- When in the powered state, inserting or unplugging the connector may cause malfunction or accidents, so please unplug the connector in the unpowered state.

Do not use the connector under external force.



- Do not use the connector when it is under external force or stress. Excessive external force may cause damage, leading to malfunction or accidents, so please use it in this situation.
- The connector is designed as a component for electrical connections, so please use it only as part of the device design. Do not use the connector as a structural part of the enclosure or similar application.

Use in the proper environment.



- Do not use in environments with high temperature, high humidity.
- Do not use in environments not specified in the specifications, as this may cause malfunction or accidents.

Handle with care.



- The connector is a precision part, please handle with care.
- Handle with care when opening the package or during installation, even when wearing gloves and packaging, as the polymer material is susceptible to strong impact, which may cause cracking, deformation, bending, or detachment.

Prepared by: Checked by: Approved by: