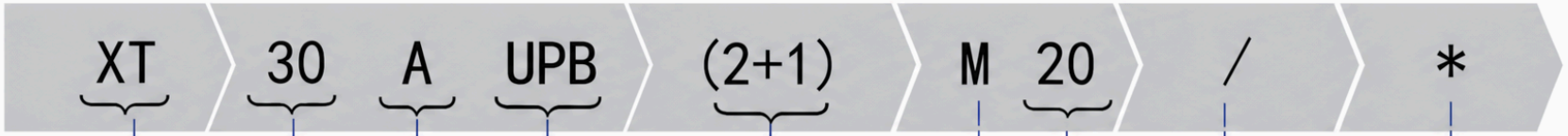
Model Description of Amass Products



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

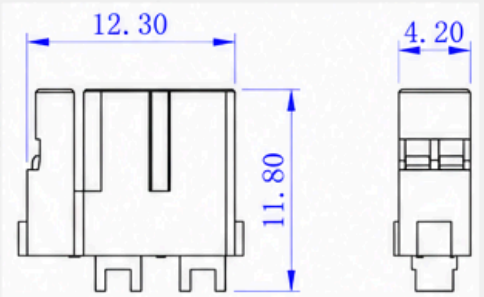
1. Product Description

30 series 2+1 to 2+2 products, compatible with other XT30 series products.

2. Application Fields

☑ Lithium Battery ☐ Motor ☐ Controller ☐ Charger ☐ Others

3. Product Diagram

Model	Product Image	Outline Drawing
XT30(2+2)-F. G. *		

4. Specifications

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

5. Characteristics

Electrical Performance	Test Method	Characteristics
Withstanding Voltage	UL1977	DC 500V
Rated Current	UL1977	15A 18#
Contact Resistance	GB/T5095.2	1.20mΩ
Insulation Resistance	GB/T5095.2	2000MΩ
Instantaneous Current	&A 1min <80℃	30A 18#
Temperature Rise	UL1977	15A 4h <60℃ 18#
Wire Pull Out Force	GB/T2900.18	2.3mm
Mechanical Performance	**Standard**	**Characteristics**
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 Grade	GB/T4208	IP40
Environmental Performance	**Standard**	**Characteristics**
Operating Temperature	GB/T 2423.3	-20℃ to 120℃
Salt Spray	GB/T 2423.17	48h

6. Wiring Recommendation

AWG	Temperature Rise 60℃	Temperature Rise 85℃
16#	20A	25A
18#	15A	20A
20#	10A	15A

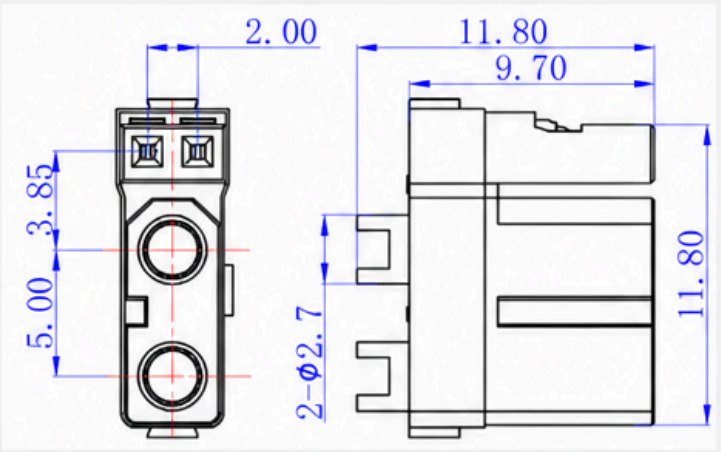
7. Ordering Information

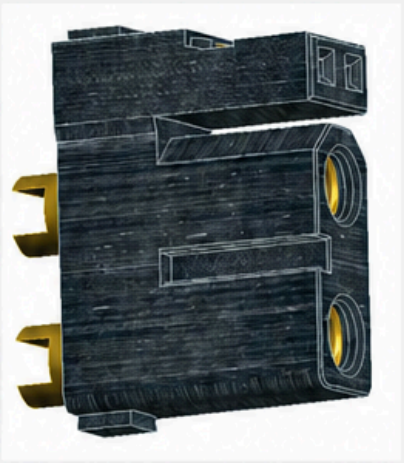
☐ With dust cover ☐ With latch ☐ Waterproof ☐ Flame retardant

8. Certifications

☐ UL ☐ CE ☑ RoHS 2.0 ☐ Reach

9. Installation Recommendation





Precautions:

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



- Overcurrent and overvoltage can cause failure, malfunction, or accidents.
- In the event of connector insertion or removal under load, failure or accidents may occur. Therefore, please insert and remove connectors only when the power is off.

Do not use under external force



- Do not use while the connector and wires are under tension. Excessive external force may cause damage, failure, or accidents, so please use it under these conditions.
- The connector is designed as an electrical connection component, so please use it as part of the structure of the host device.

Use in appropriate environments



- Do not use in environments with high temperature or high humidity.
- Do not use in environments other than those specified in the product specifications, as failure may occur. Therefore, please use it under the specified conditions.

Handle with care



- Connectors are precision components, so please handle with care during use.
- Be careful when opening the package, as the product in this package may be damaged by strong impact or may become deformed, bent, or detached, resulting in terminal deformation, bending, or detachment.

Prepared by: Checked by: Approved by: