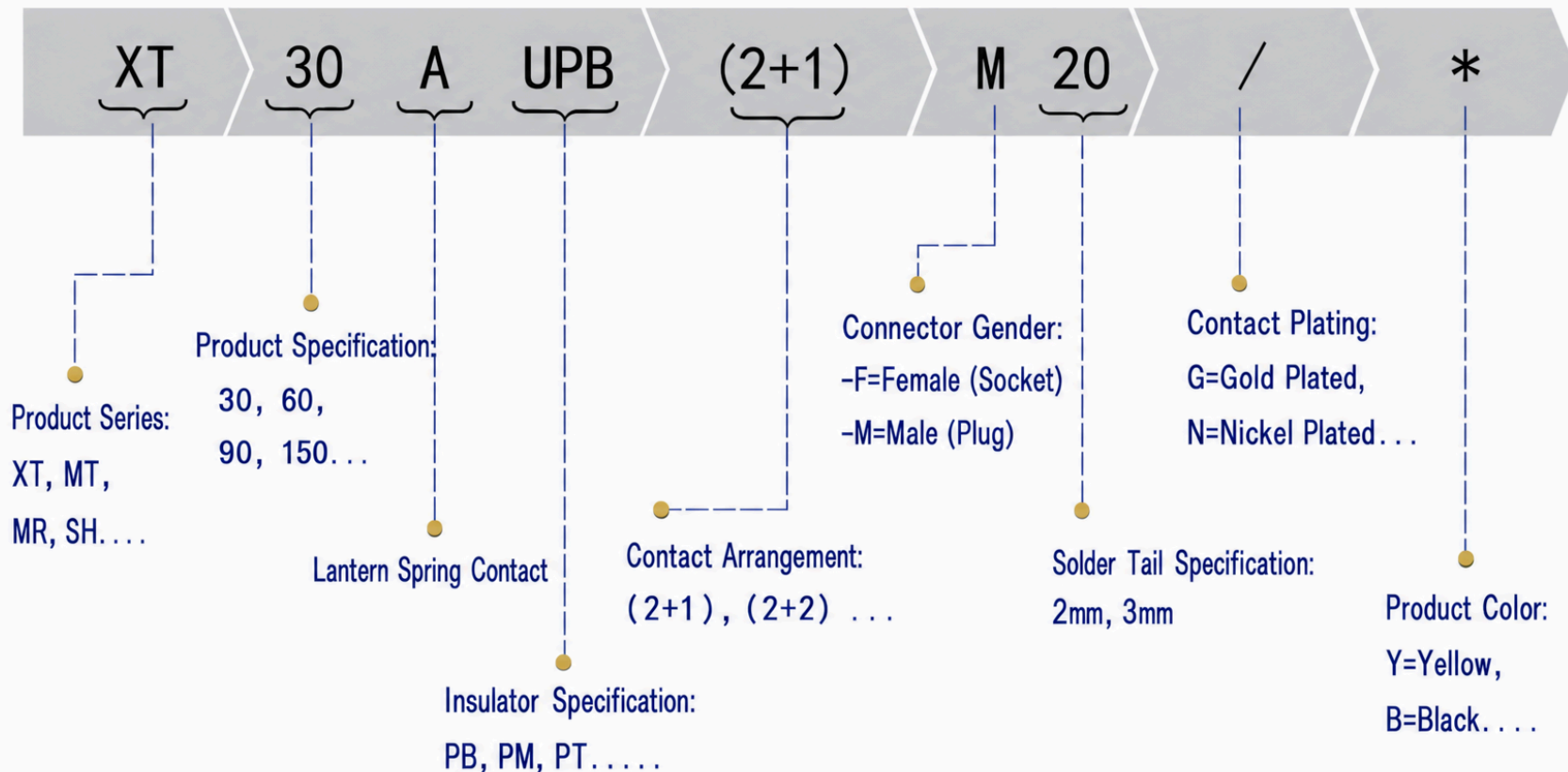


Model Description of Amass Products



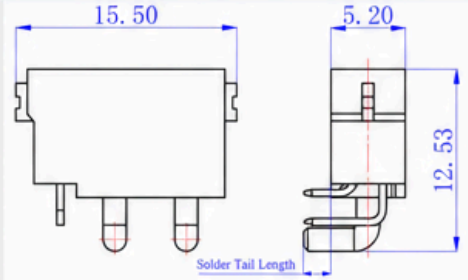
Amass Product Specification

1. Product Description

2. Application Modules

☐ Lithium Battery ☐ Motor ☒ Controller ☐ Charger ☐ Others

3. Product Illustration

Product Image	Outline Drawing
	
Part Number	Solder Tail Length
XT30PW (2+2) -M. G. *	1.9mm

4. Specifications

Material	Specification	Plating	Plating Thickness
Metal Parts	QSn4-4-4	G: Gold Plated (Au)	0.03μm
Material	Specification	Color	Flammability Rating
Housing	PA66	*: B=Black	UL94-V0

5. Performance

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℃
Dielectric Withstanding Voltage	GB/T2900.18	1.5mm
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 Rating	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

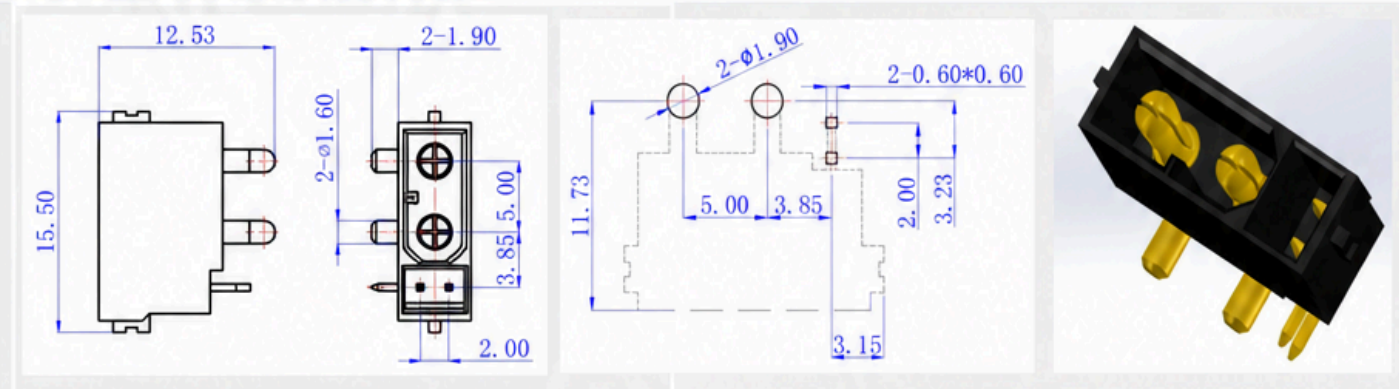
7. Configuration Description

☐ With shoulder ☐ With latch ☐ Waterproof ☐ Fireproof

8. Quality Certification

☐ UL ☐ CE ☒ RoHS 2.0 ☐ Reach

9. Installation Recommendation



Installation hole dimensions

IMPORTANT:

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



- Excessive current and voltage loading can lead to malfunction or accidents.
- When the product is in the mated state, unplugging the connector may cause malfunction or accidents; therefore, please unplug the connector only when the power is disconnected.

Do not use under external force during connection



- Do not connect or disconnect the connector or wires under external force. Excessive external force may cause malfunction or accidents; therefore, please use under such conditions.
- The connector is a part designed as an electrical connection component; therefore, do not use it as a structural part of the outer casing or similar.

Use only within the specified environment



- Do not use in environments with high temperature, high humidity, or corrosive conditions.
- Using in environments other than those specified in the product specifications may cause malfunction or accidents; therefore, do not use in such conditions.

Handle with care



- Connectors are precision components; please handle with care during use.
- Please handle with care when opening the package, as improper handling may cause deformation, bending, breakage, etc., due to strong impact, or scratches and burrs.

Prepared by:

Reviewed by:

Approved by: