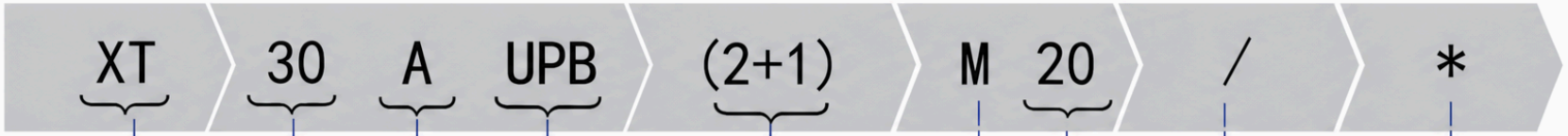
Model Description of Amass Products



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

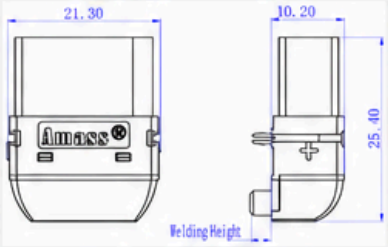
1. Product Description

Right-angle molded 2PIN connector, providing integrated solution for horizontal-to-vertical space PCB board. With gold-plated or nickel-plated options, having wire-type design.

2. Application Modules

☑ Lithium Battery ☐ Motor ☐ Controller ☐ Charger ☐ Others

3. Product Diagram

Product Image	Outline Drawing
	

Product Model	Welding Height
XT90PW30-F. G. *	3. 0mm

4. Specification

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

5. Features

Electrical Performance	Test Method	Performance
Withstand Voltage	UL1977	DC 500V
Rated Current	UL1977	30A
Contact Resistance	GB/T5095. 2	0. 40mΩ
Insulation Resistance	GB/T5095. 2	2000MΩ
Momentary Current	&A 1min ＜80℃	60A
Temperature Rise	UL1977	30A 4h ＜60℃
Distance After Mating	GB/T2900. 18	7. 40mm
Mechanical Performance	**Standard**	**Performance**
Insertion Force	GB/T5095. 8	3. 5kg~6. 5kg
Withdrawal Force	GB/T5095. 8	3. 5kg~6. 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 Reference

mm^2	Ambient Temp. 60℃	Ambient Temp. 85℃
8#	55A	60A
10#	50A	55A
12#	45A	50A

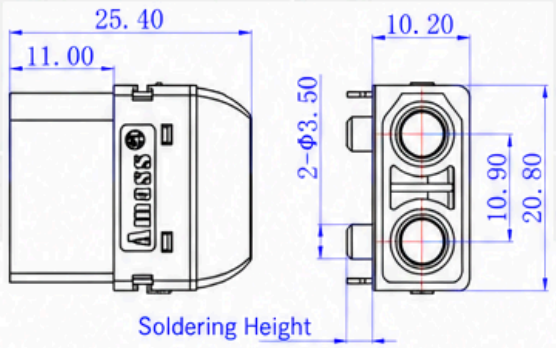
7. Configuration Options

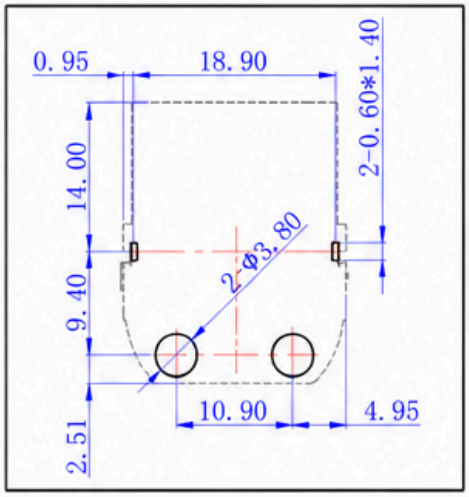
☑ Cable cover ☐ Cable clamp ☐ Waterproof ☐ Fireproof

8. Certification

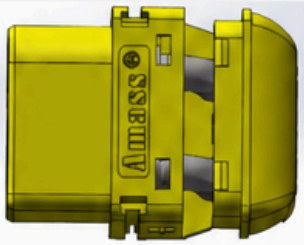
☑ UL ☐ CE ☑ RoHS 2.0 ☐ Reach

9. Installation Recommendation





Mounting Hole Diagram



Installation Reference

Important Notes:

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



- Overcurrent or overvoltage may cause product in malfunction accidents.
- When the connector is in the mated state, inserting or unplugging it will cause product malfunction or accidents, so please insert or unplug the connector in the unmated state.

Do not connect or disconnect under load



- Do not connect or disconnect while the circuit is under load. Excessive external force may cause product malfunction or accidents, so please use in this condition.
- The connector is a component designed as part of an electrical circuit, so please use it as part of an enclosure or a similar structure.

Use in appropriate environment



- Do not use in places with high temperature and high humidity.
- Do not use in an environment that does not meet the required conditions in the specifications, as it may cause product malfunction. Please use it in such cases.

Handle with care



- Connectors are precision components, so handle with care during use.
- Even if the connector is assembled according to the assembly drawing or packaged as a product, it may be deformed, bent, or disconnected due to strong impact, or may cause such phenomena.

Prepared by: Checked by: Approved by: