

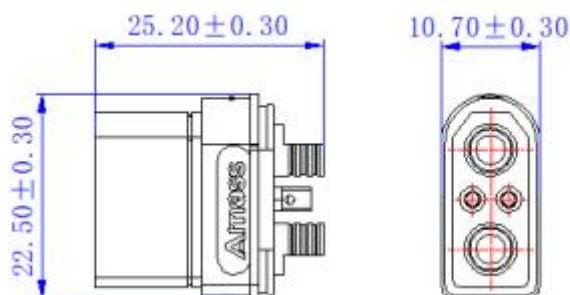
1. Model Number: XT90 2+2 F

Component Name	Component Code	Product Image
XT90 2+2 F Yellow	XT90 2+2 F.G.Y	
XT90 2+2 F Black	XT90 2+2 F.G.B	
XT90I Rear Cover	98017.PG	

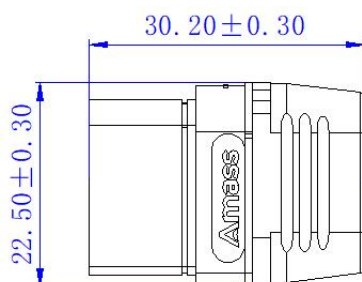
*Rear cover is optional.

2. Product Stacking Diagram

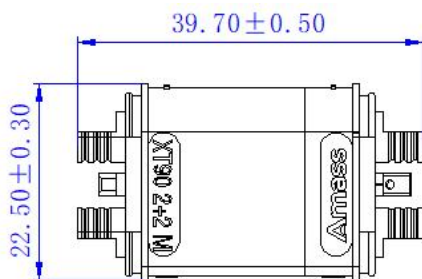
Stacking Dimension



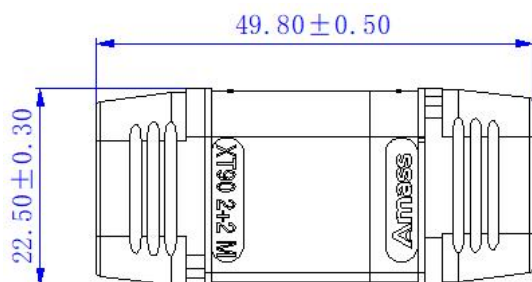
Stacking Dimension with rear cover



Mating Dimension



Mating Dimension with rear cover



3. Technical Specifications

Elec. Char.	
Rated Current	45A (10AWG [△] ≤85K) Signal pin: 24AWG 1A
Rated Voltage	150V DC
Insulation Resistance	≥2000MΩ
Contact Resistance	≤1.2mΩ
Mech. Char.	
Service Life	100 cycles
Envi. Perf.	
Operating Temperature	-20°C to 120°C
Flame Class (Main Body)	UL94 V-0
Environmental Requirements	RoHS2.0
Salt Spray (Metal part)	Per GB/T 2423.17-2008, 48H min.
(Signal pin)	Per GB/T 2423.17-2008, 24H min.
Mat.	
Housing	Plastic Housing: PA; Yellow, Black
Main Copper Part	Copper Alloy
Plating	Gold
Appl.	
Connection Method	Soldering

4. Transportation and Storage

- Products shall be stored in a clean and dry environment. No acid, alkali, or other corrosive gases shall be present in the vicinity of the storage area.
- Storage conditions for unopened products: Temperature: -20°C to 25°C; Humidity: ≤ 80%; Storage period: 1 year.
- For silver-plated components, store in a light-proof, sealed package. Prolonged air exposure or contact with sulfides is strictly prohibited. Bare-hand touching is not allowed.
- Products are suitable for transportation by conventional means. During transport, avoid impact, severe vibration, exposure to rain or snow, and water immersion.

5. Precautions

- Do not use the connector beyond its rated current and voltage, or insert/remove it while the circuit is live. Failure to comply may result in accidents or malfunction.
- The connector is intended for circuit connection only and is not a load-bearing component. Do not use the connector as part of a structural assembly.
- Use the connector only under the environmental conditions specified in this datasheet. Do not use it in locations with high temperature or high humidity.
- The connector is a precision component and is susceptible to deformation, bending, or detachment. Handle with care when unpacking.

Prepared by:

Checked by:

Reviewed by:

Approved by: