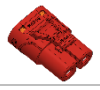
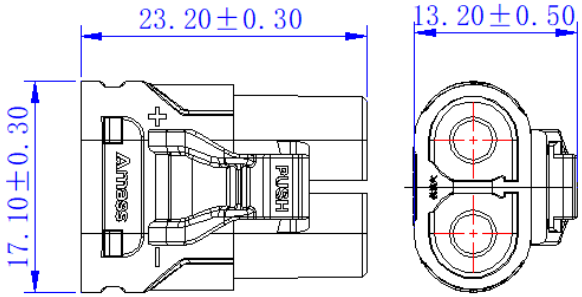
1. Product Model：LCB30-F

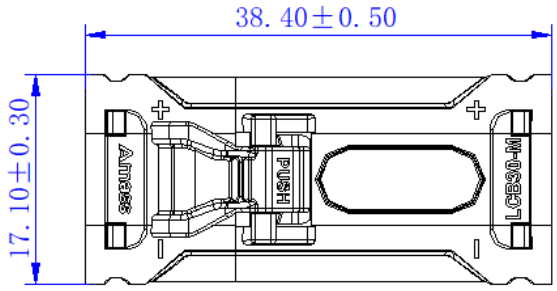
Name of component	Component Type	component Pictures
LCB30-F Orange	97003-F.O	
LCB30-F Red	97003-F.R	
LCB30-F Black	97003-F.B	
LC30-F Metal Part	91022-F.S	

2. Product stacking diagram

Outline drawing size



Matching size



3. Electrical SPEC

Electrical specifications	
Current Rating	30A (12AWG 0.08mm/4.0mm² 0.31mm^≤30K) 20A (14AWG 0.08mm/2.5mm² 0.26mm^≤30K) 42A (12AWG 0.08mm/4.0mm² 0.31mm^≤55K) 32A (14AWG 0.08mm/2.5mm² 0.26mm^≤55K)
Voltage Rating	150V DC
Insulation Resistance	≥2000MΩ
Contact Resistance	≤0.6mΩ
Mechanical Characteristic	
Plug Life	100 times
Insertion Force	≤5.5kgf
Pull Out Force	≥6.5kgf
Environment Characteristic	
Work Temperature	-40℃ to 120℃
Materials Flame Level（Body）	UL94 V-0
GWFI	GWFI 850°C
Environmental Requirements	RoHS2.0、Reach、PAHS、TSCA、CP65
Salt Spray	48H As requirement of GB/T 2423.17-2008
Material	
Housing	Body Plastic Housing：PBT； Orange、Red、Black Rear Cover：PBT；Orange
Matal part	Copper--T2
Plating	Sliver
Apply	
Connection Mode	Cramp Joint

4.Transportation and storage

a) The product should be stored in a clean and dry environment, and there should be no acidic, alkaline, or other corrosive gases around the warehouse.
b) Storage temperature of product in unopened state:- 20°C~25°°C ； Humidity: ≤ 80%; Storage for 1 year
c) Products such as silver plated parts should be stored away from light, sealed, and sealed. Prolonged exposure to air or contact with sulfides is strictly prohibited, and bare hands should be avoided.
d) The product is suitable for regular transportation, and collision, severe vibration, rain and snow, water immersion, etc. should be avoided during transportation

5.Precautions

a) Do not exceed the rated current and voltage when using or unplugging this connector under live conditions, as it may cause accidents and malfunctions.
b) The connector is designed as the connecting part of the circuit, and not a load-bearing component. so do not use the connector as the junction of the shell, to construct part of an object.
c) The connector should be used in the environment specified in the specifications, and do not use in high temperature and humidity environment.
d) Connectors are precision components that are prone to deformation, bending, and detachment. Please be careful when unpacking.