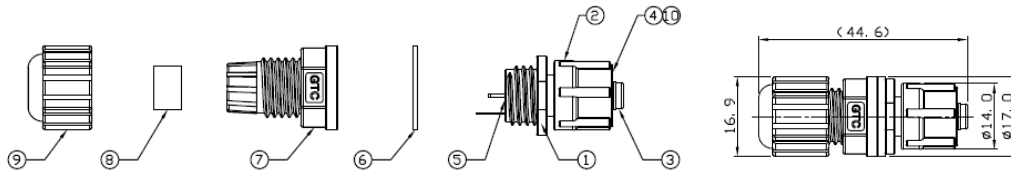


DC 2.5mm Field Installable Cable End Solder Screw



PRODUCT SPECIFICATIONS

Product Series	DC Jack/Plug Connector Size 1 Engineering Specifications
Max Current Rating	7.0A
AWG Gauge	17 AWG ~20 AWG
Environment Temperature	-40°C / +85°C
Max Power	65W
Input voltage	10V~32V
IP Rating	IPX7
Material	
DC Jack Housing/Hex Nut	PA66
DC Jack Contacts	Copper Alloy, Ni Plating
DC Jack Gasket	Silicone
Glue	Epoxy
DC Plug Housing/Screw Nut/Cover/Gland Nut	PA66
DC Plug O-Ring	Silicone
DC Plug	Insulation: PBT/ Contacts: Copper Alloy, Ni Plating
DC Plug Gasket/Gland	Rubber

Datasheet

Item no. 1497960

V1_09262017_01_en

Physical Shock	No discontinuities of 1 μ s or longer duration when mated DC Jack/Plug connectors are subjected to 11 ms duration 30 Gs half-sine shock pulses. Three shocks in each direction applied along three mutually perpendicular planes for a total of 18 shocks.
Random Vibration	The electrical load conditions shall be 100mA maximum for all contacts. Frequency: 50 to 2000 Hz PDS: 0.04 g^2 /Hz. Duration: 1 Hour/Axis, 3 Axes Total. g 's: 7.56 g rms
Thermal Shock	5 cycles at -40°C / +105°C , after the test, the function and appearance can't be impacted.
Salt Spray	The test liquid (NaCl) thickness is 5%, Compressing the air pressure is 0.083Mpa, Spraying amount is 1~2 ml/80cm/h , Temperature of the pressure barrel is 43°C , LAB temperature is 35°C , relative humidity of LAB is 95%~98% , test time is 24hr , after the test, check if there is rusty and oxidized phenomenon
Waterproof Test	Under 1 M water for 30 min.
Temperature Life W/O Electrical Load	85°C for 96 Hours .
Low Temperature	-40°C for 96 Hours
Temperature Humidity Cycling	4 cycles at 25°C / +65°C 95%RH (1 cycles/day)
UV Exposure	24 H equal 1 year : 8 h UV at 70 (\pm 3) °C Black Panel Temperature 4 h Condensation at 50 (\pm 3) °C Black Panel Temperature
Technical Data	
Characteristics	Description
Visual and Dimensional Inspection	Must meet or exceed the requirements specified by the most current version of the DC Jack/Plug Specification.
Insulation Resistance	DC500V \pm 10% , test for 1 minute and the insulation resistance should be more than100M Ω
Dielectric Withstanding Voltage	500 V AC contact-to-contact, for 1min.
Contact Resistance	50m Ω at 10mA Max.
Pin Pull Test	1. Initial: 24 N minimum. 2. After Test: 16 N minimum.
Durability	2000 cycles insertion/extraction cycles at a maximum rate of 200 cycles per hour.
Insertion and withdrawal forces	Speed: 10 mm/s maximum. Insertion : 2500kgf maximum at a maximum rate of 6.9 mm per minute. Withdrawal : 1000kgf minimum at a maximum rate of 6.9 mm per minute.