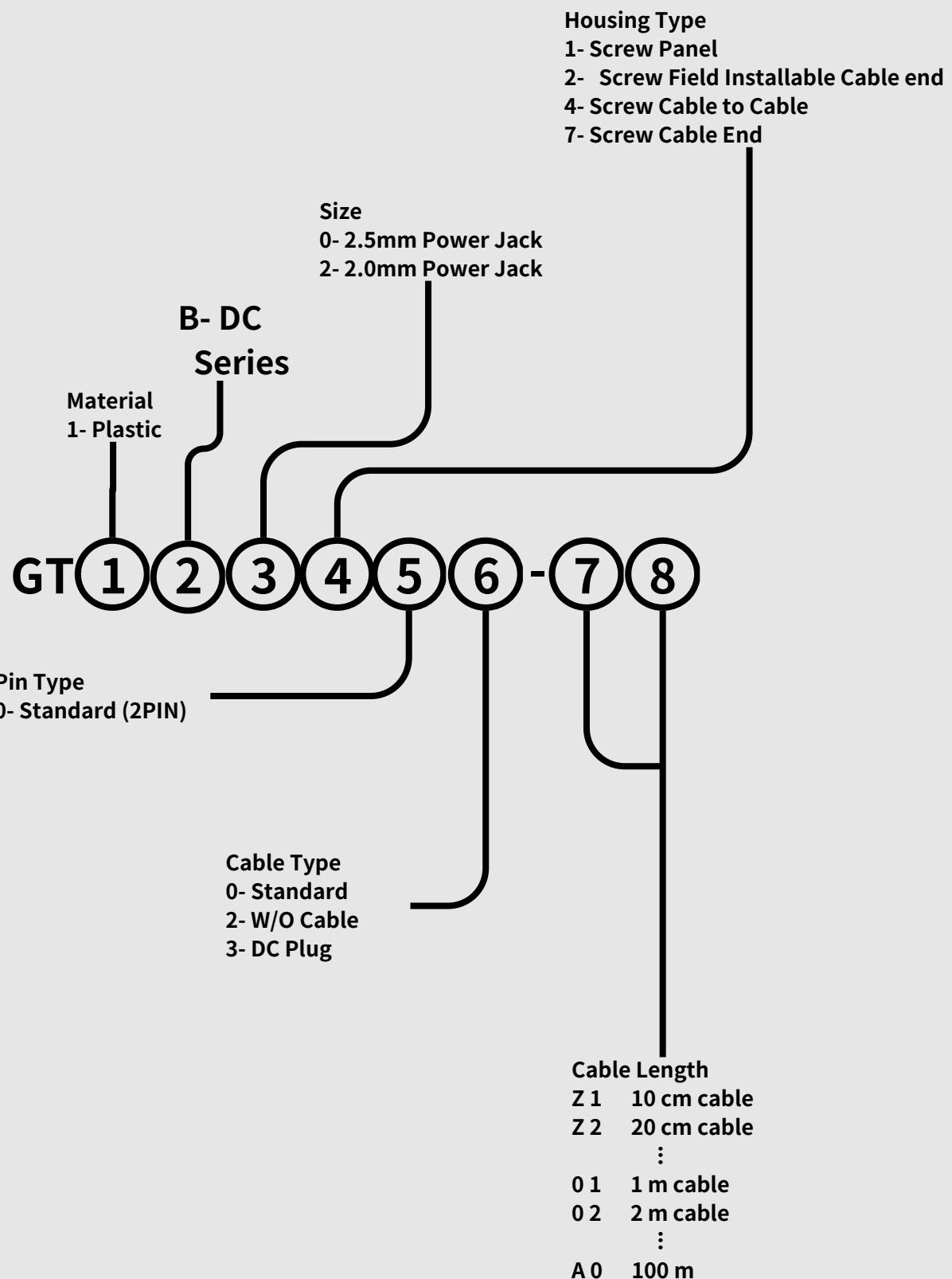


DC SERIES



Part Numbering System



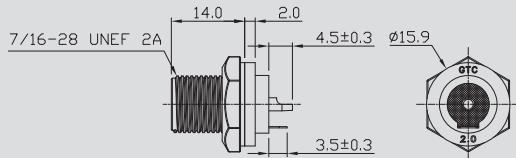
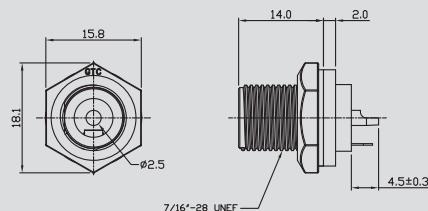
Specifications

DC Jack/Plug Connector Size 1 Engineering Specifications		
Specifications		
Current Rating	2.0mm	3.0A
	2.5mm	7.0A
AWG Gauge	17 AWG – 20 AWG	
Operation Temperature	With Cable -40°C / +85°C	
	Without Cable -40°C / +105°C	
IP Rating	IP67	
Product Technical Data		
Characteristics	Standard	Description
Visual and Dimensional Inspection	EIA 364-18	Must meet or exceed the requirements specified by the most current version of the DC Jack/Plug Specification.
Insulation Resistance	EIA 364-21 or IEC 60512-3a	DC500V±10% , test for 1 minute and the insulation resistance should be more than100MΩ
Dielectric Withstanding Voltage	EIA 364-20 or IEC 60512-4a	500 V AC contact-to-contact, for 1min
Contact Resistance	EIA 364-06 Method B or IEC 60512-2b	50mΩ at 10mA Max.
Insertion and withdrawal forces	IEC60512,13b	Max. Speed: 10 mm/s maximum. Insertion force 3N~20 N Withdrawal force 3N~20 N
Durability	EIA 364-09 or IEC 60512-9a	2000 cycles insertion/extraction cycles at a maximum rate of 200 cycles per hour.
Pin Pull Test	EIA 364-08 or IEC 60512-16d	1. Initial: 24 N minimum. 2. After Test: 16 N minimum.
Physical Shock	EIA 364 27 Test Condition H or IEC 60512-6c	No discontinuities of 1 µs 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.

Product Technical Data		
Characteristics	Standard	Description
Vibration	EIA 364-28 or IEC 60512-6d	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	EIA 364-32 Test Condition VIII or IEC 60512-11d	5 cycles at -40°C / +105°C , after the test, the function and appearance can't be impacted.
Salt Spray	EIA 364-26 or IEC 60512-11f	The test liquid (NaCl) thickness is 5%, Compressing the air pressure is 0.083Mpa, Spraying amount is 1~2 ml/80cm ² /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	IEC 60529	Under 1 M water for 30 Min.
Temperature Life W/O Electrical Load	EIA364-17 Condition 3 or IEC 60512-9b	85°C for 96 Hours.
Low Temperature	EIA364-59 Condition 3 or IEC 60512-11k	-40°C for 96 Hours
Temperature Humidity Cycling	EIA 364-31, Method III Test Condition A	4 cycles at 25°C / +65°C 95%RH (1 cycles/day)
UV Exposure	ASTM G154-06 operating fluorescent light apparatus for UV exposure of nonmetallic materials	24 H equal 1 year: 8 h UV at 70 (± 3) °C Black Panel Temperature 4 h Condensation at 50 (± 3) °C Black Panel Temperature

DC

PLASTIC PANEL MOUNT

DC 2.0mm Panel Jack Solder Screw**DC 2.5mm Screw Panel Mount**

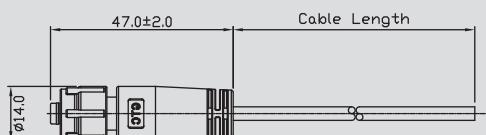
P/N	Product
GT1B2102	W/O Cable
GT1B2103-XX	with Cable + 2.0mm DC Plug

P/N	Product
GT1B0102	W/O Cable
GT1B0103-XX	with Cable + 2.5mm DC Plug

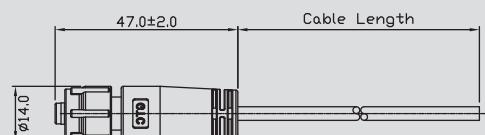
PLASTIC CABLE END & F.I.

DC

DC Plug 2.0mm Cable End with Cable



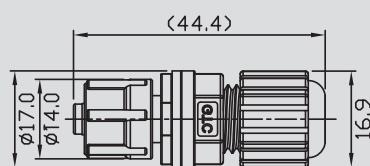
DC Plug 2.5mm Cable End with Cable



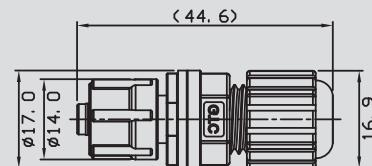
P/N	Product
GT1B2700-XX	with Blunt Cut Cable

P/N	Product
GT1B0700-XX	with Blunt Cut Cable
GT1B0703-XX	with Cable + 2.5mm DC Plug

DC 2.0mm Field Installable Cable End Screw



DC 2.5mm Screw Field Installable Cable End Screw

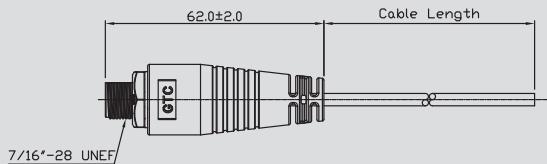
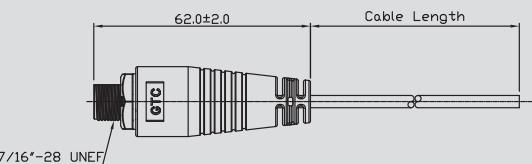


P/N	Product
GT1B2202	2.0mm Plug

P/N	Product
GT1B0202	2.5mm Plug

DC

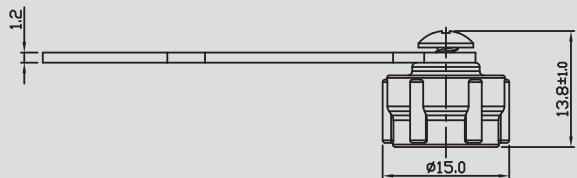
CABLE TO CABLE

DC 2.0mm Screw Cable To Cable**DC 2.5mm Screw Cable To Cable**

P/N	Product
GT1B2400-XX	with Cable

P/N	Product
GT1B0400-XX	with Cable

Cap Plastic for C1 Screw Panel



P/N	Mating Series No.
GT1C5131X2	GT1B0102 Series
	GT1B0400 Series
	GT1B2102 Series
	GT1B2103 Series



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