RJ45 SERIES

RJ45

Part Numbering System

Housing Type
0- Panel mount receptacle (Jack)
1- Cable to Cable (Jack)
2- Cable End
6- Easy Field Installable
7- Assembly Type full Metal
8- Easy Field Installable w/o Plug

Mating Method
3- Screw (Long nut)
5- Screw(Short nut)

Sub-Type
1- Non-shielded (8P8C)Left D-Cut
5- Shielded (8P8C)Left D-Cut
6- Shielded (8P8C)Right D-Cut
7- Non-shielded non D-Cut

2- RJ Series

Material
1- Plastic
2- Metal
6- SUS

GT (1)(2)(3)(5)(6)(7)-(8)(12)-(13)(14)

Connector Type
0- Straight (180°)
5- Angle (90°)

Type
0- Solder(Cable)
1- PCB 180°(Panel)
2- PCB 90°(Panel)
3- Coupler Receptacle 180°
4- Coupler Receptacle 90°
A- Cable O.D. 6.0mm-8.5mm
D- Shielded (Dip 180°)
E- Shielded (Dip 90°)

Cable Length
Z1   10 cm cable
Z2   20 cm cable
      ⋮
01   1 m cable
02   2 m cable
      ⋮
A0   100 m

Cable Type
Various options
Please contact us

Specifications

RJ45 Plastic / Zinc Alloy / SUS Metal Engineering Specifications		
Specifications		
Current Rating	**Plastic / Metal**	1.5A
	SUS Metal	1.5A Max / 50VAC/DC
AWG Gauge	**Plastic**	24 AWG~28 AWG
	Zinc Alloy / SUS Metal	24 AWG ~26 AWG
Operation temperature	**With Cable –40°C / +85°C**	
	Without Cable –40°C / +125°C	
IP Rating	**Plastic**	IP67
	Zinc Alloy / SUS Metal	IP68
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 RJ45 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 DC/AC peak, contact–to–contact, for 1min. 500 V DC/ AC peak, contact–to–test panel or contact–to–shield for 1 min.
Contact Resistance	EIA 364–06 Method B or IEC 60512–2b	20mΩ at 10mA Max.
Insertion and withdrawal forces	IEC60512,13b	Speed: 10 mm/s maximum. Insertion force 30 N maximum Withdrawal force 0.5 N maximum
Durability	EIA 364–09 or IEC 60512–9a	Screw type 750 cycles, rate of 200 cycles per hour. Lock type 200 cycles, rate of 200 cycles per hour.

| Product Technical Data		
Characteristics	**Standard**	**Description**
Cable Pull-Out	EIA 364-38 Test Condition A or IEC 60512-13a	After the application of a steady state axial load of 40 N for one minute.
Cable Flexing	EIA 364-41	A traverse 180° in one direction plus 180° in the opposite direction shall be called one cycle, the cycling rate shall be 12 to 14 cycles per minute. After completion of 100 cycles, test withstanding voltage and insulation resistance.
Physical Shock	EIA 364 27 Test Condition H or IEC 60512-6c	No discontinuities of 1 µs or longer duration when mated are RJ45 connectors 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.
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 g2 /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/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	Plastic — Under 1 M water for 30 Min. Zinc Alloy / SUS Metal — Under 1 M water for 24 Hr.
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

PLASTIC PANEL MOUNT

RJ45 Plastic Shielded Panel Jack Screw
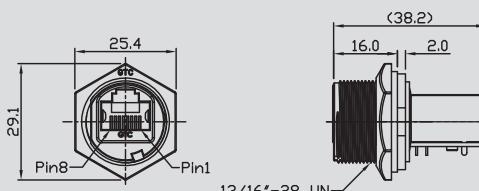
| P/N	Product
GT125300-30	with Coupler
GT125300-40	with 90° Coupler
GT125300-11	Dip Pin
GT125300-D0	Dip Pin with Ground Pin
GT125300-E0	Dip Pin 90° with Ground Pin
GT125300-03-XX	with Cable + RJ45 Plug
GT125300-09-XX	with Cable Blunt Cut
GT125300-0A-XX	with CAT6 Cable + RJ45 Plug

P/N	Product
GT125300-0E-XX	with CAT6 Cable Blunt Cut
GT125300-0H-XX	with CAT6 Cable + Down-Right RJ45 Plug
GT125300-0J-XX	with CAT6 Cable + Up-Right RJ45 Plug
GT125300-0R-XX	with Cable + Down-Right RJ45 Plug
GT125300-0U-XX	with Cable + Up-Right RJ45 Plug

RJ45 Plastic Panel Mount Screw
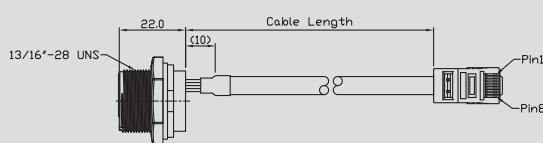
P/N	Product
GT121300-0B-XX	with Cable + RJ45 Plug

RJ45 Stainless Shielded Panel Jack Screw
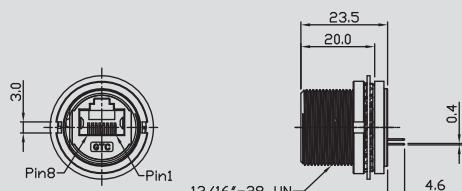
P/N	Product
GT625500-30(S)	with Coupler + Spanner Nut
GT625500-D0(S)	Dip Pin + Spanner Nut
GT625500-03-XX(S)	with Cable + RJ45 Plug + Spanner Nut
GT625500-0A-XX(S)	with CAT6 Cable + RJ45 Plug + Spanner Nut

RJ45 Metal Shielded Panel Jack Screw
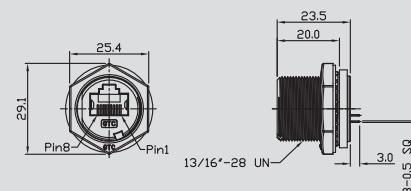
P/N	Product
GT225500-10	Dip Pin
GT225500-20	Dip Pin 90°
GT225500-30	with Coupler
GT225500-D0	Dip Pin with Ground Pin
GT225500-E0	Dip Pin 90° with Ground Pin
GT225500-03-XX	with Cable + RJ45 Plug
GT225500-09-XX	with Cable Blunt Cut
GT225500-0A-XX	with CAT6 Cable + RJ45 Plug
GT225500-0R-XX	with Cable + Down-Right RJ45 Plug
GT225500-0U-XX	with Cable + Up-Right RJ45 Plug

RJ45 Metal Shielded Panel Jack Lock
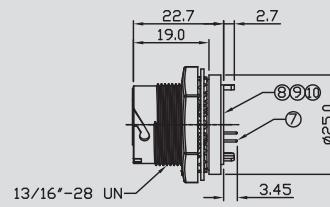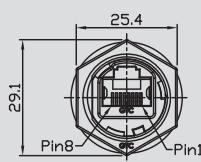
P/N	Product
GT225200-10	Dip Pin
GT225200-30	with Coupler
GT225200-40	with 90° Coupler
GT225200-D0	Dip Pin with Ground Pin
GT225200-03-XX	with Cable + RJ45 Plug
GT225200-09-XX	with Cable Blunt Cut
GT225200-0A-XX	with CAT6 Cable + RJ45 Plug

P/N	Product
GT225200-0B-XX	with UTP Cable + RJ45 Plug
GT225200-0H-XX	with CAT6 Cable + Down-Right RJ45 Plug
GT225200-0J-XX	with CAT6 Cable + Up-Right RJ45 Plug
GT225200-0R-XX	with Cable + Down-Right RJ45 Plug
GT225200-0U-XX	with Cable + Up-Right RJ45 Plug

RJ45

PLASTIC CABLE END

RJ45 Plastic Cable End Screw

55.4±2.0
20.4±1.0
Cable Length
Ø25.4

P/N	Product
GT125320-02-XX	with Cable Blunt Cut
GT125320-06-XX	with Cable + RJ45 Plug
GT125320-07-XX	Dual Head RJ45 Plastic Cable End Screw with Cable
GT125320-0A-XX	with CAT6 Cable + RJ45 Plug
GT125320-0E-XX	with CAT6 Cable Blunt Cut
GT125320-0K-XX	Dual Head RJ45 Plastic Cable End Screw with CAT6 Cable
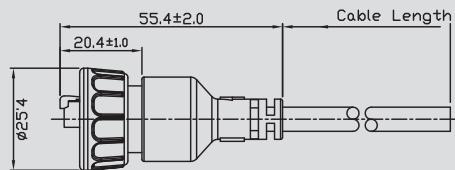
RJ45 Plastic Shielded Cable End 90° Screw

45.5±2.0
Cable Length
40±2.0
GTC

P/N	Product
GT125325-02-XX	with Cable Blunt Cut
GT125325-06-XX	with Cable + RJ45 Plug
GT125325-07-XX	Dual Head RJ45 Plastic Cable End Screw with Cable
GT125325-0A-XX	with CAT6 Cable + RJ45 Plug

RJ45 Plastic Non-Shielded Cable End Screw

55.4±2.0
Cable Length
Ø25.4
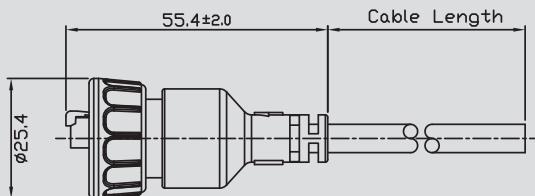
P/N	Product
GT127320-08-XX	with Cable Blunt Cut

RJ45 Stainless Shielded Cable End Screw with Short Screw Nut
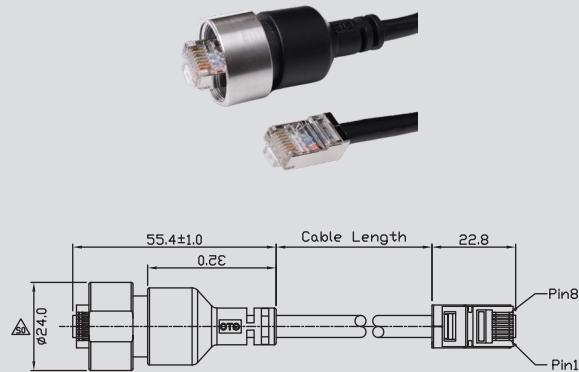
| P/N	Product
GT625520-06-XX	with Cable + RJ45 Plug
GT625520-0A-XX	with CAT6 Cable + RJ45 Plug
GT625520-0K-XX	Dual Head RJ45 Stainless Cable End Screw with CAT6 Cable

## RJ45 Metal Shielded Cable End Screw with Short Screw Nut
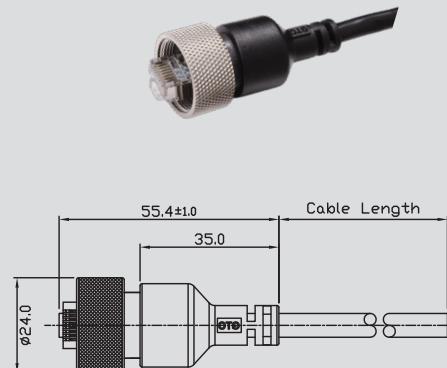
P/N	Product
GT225520-02-XX	with Cable Blunt Cut
GT225520-06-XX	with Cable + RJ45 Plug
GT225520-07-XX	Dual Head RJ45 Metal Cable End Screw with Cable
GT225520-0A-XX	with CAT6 Cable + RJ45 Plug
GT225520-0E-XX	with CAT6 Blunt Cut Cable
GT225520-0K-XX	Dual Head RJ45 Metal Cable End Screw with CAT6 Cable

RJ45 Metal Shielded Cable End 90° Screw with Short Screw Nut
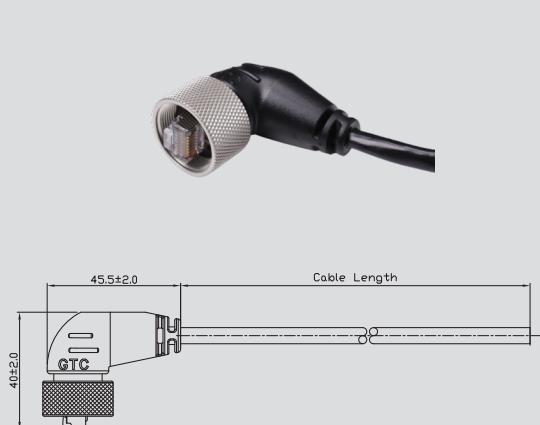
| P/N	Product
GT225525-02-XX	with Cable Blunt Cut
GT225525-06-XX	with Cable + RJ45 Plug

RJ45 Metal Shielded Cable End Screw with Long Srew Nut
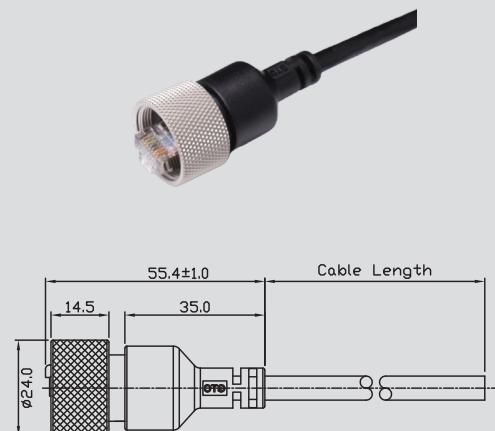
| P/N	Product
GT225320-01-XX	with Grey Cable Blunt Cut
GT225320-02-XX	with Cable Blunt Cut
GT225320-06-XX	with Cable + RJ45 Plug
GT225320-07-XX	Dual Head RJ45 Metal Cable End 90° Screw with Cable
GT225320-0A-XX	with CAT6 Cable + RJ45 Plug
GT225320-0K-XX	Dual Head RJ45 Metal Cable End 90° Screw with CAT6 Cable

RJ45 Metal Shielded Cable End 90° Screw with Long Srew Nut
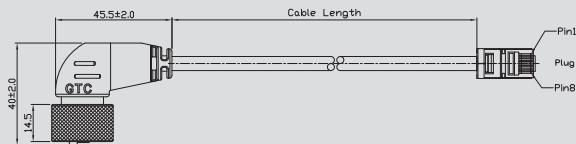
P/N	Product
GT225325-06-XX	with Cable + RJ45 Plug
GT225325-0A-XX	with CAT6 Cable + RJ45 Plug

## RJ45 Plastic Cable To Cable Screw

| P/N	Product
GT125310-02-XX	with Cable Blunt Cut
GT125310-06-XX	with Cable + RJ45 Plug
GT125310-0A-XX	with CAT6 Cable + RJ45 Plug

RJ45 Metal C3 Shielded Cable To Cable Jack Screw

| P/N	Product
GT225510-02-XX	with Cable Blunt Cut
GT225510-06-XX	with Cable + RJ45 Plug
GT225510-07-XX	Dual Head RJ45 Cable to Cable Jack Lock with Cable

PLASTIC FIELD INSTALLABLE

RJ45 Plastic Field Installable Cable End Screw
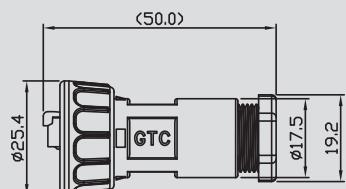
RJ45 Plastic Field Installable Cable End Screw without Plug
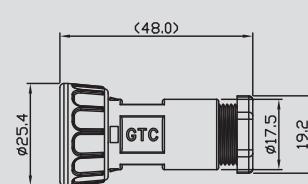
P/N	Product
GT125360-00	Long Screw Nut, Gland Nut for Cable OD: 5-6mm
GT125360-A0	Long Screw Nut, Gland Nut for Cable OD: 6-8.5mm

P/N	Product
GT125380-00	Long Screw Nut, Gland Nut for Cable OD: 5-6mm
GT125380-A0	Long Screw Nut, Gland Nut for Cable OD: 6-8.5mm

## RJ45 Stainless Field Installable Cable End Plug Screw
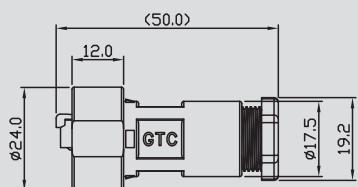
| P/N	Product
GT625560-00	Short Screw Nut, Gland Nut for Cable OD: 5-6mm
GT625560-A0	Short Screw Nut, Gland Nut for Cable OD: 6-8.5mm

RJ45 Stainless Field Installable Cable End Screw without Plug
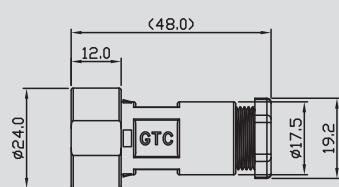
P/N	Product
GT625580-A0	Short Screw Nut, Gland Nut for Cable OD: 6-8.5mm

## RJ45 Metal Field Installable Cable End Plug Screw
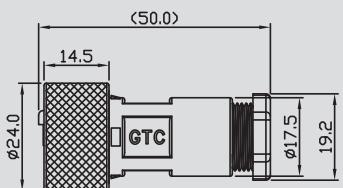
P/N	Product
GT225360-00	Long Screw Nut, Gland Nut for Cable OD: 5-6mm
GT225360-A0	Long Screw Nut, Gland Nut for Cable OD: 6-8.5mm
GT225560-00	Short Screw Nut, Gland Nut for Cable OD: 5-6mm
GT225560-A0	Short Screw Nut, Gland Nut for Cable OD: 6-8.5mm

## RJ45 Metal Field Installable Cable End Screw without Plug
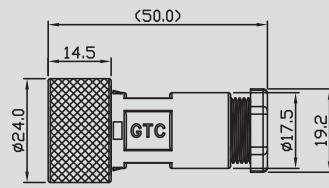
| P/N	Product
GT225380-A0	Long Screw Nut, Gland Nut for Cable OD: 6-8.5mm
GT225580-A0	Short Screw Nut, Gland Nut for Cable OD: 6-8.5mm

RJ45 Full Metal Field Installable Cable End Screw
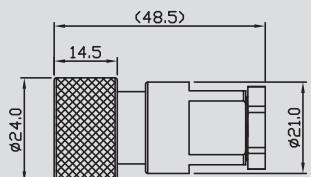
| P/N	Product
GT225370-00	Long Screw Nut, Gland Nut for Cable OD: 5-6mm
GT225370-A0	Long Screw Nut, Gland Nut for Cable OD: 6-8.5mm
GT225370-01-XX	Long Screw Nut with Cable Blunt Cut

Cap Plastic For C3 Screw Panel
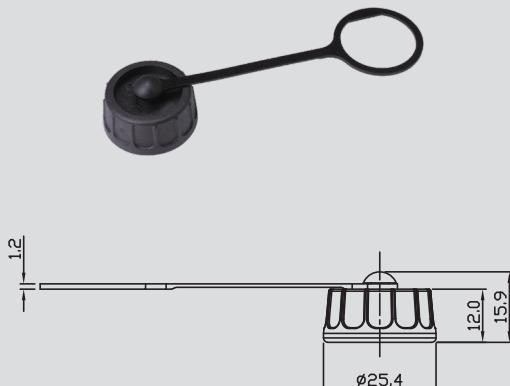
P/N	Mating Series No.
GT1C5331X2	GT125300 Series
	GT121300 Series
	GT125310 Series
	GT225500 Series
	GT225510 Series
	GT625500 Series

Cap Plastic For RJ45 C3 Screw Panel
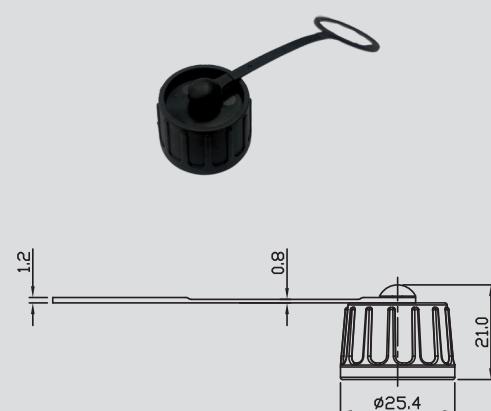
P/N	Mating Series No.
GT1C2130X2	GT225200 Series

Cap Metal For C3 Screw Panel
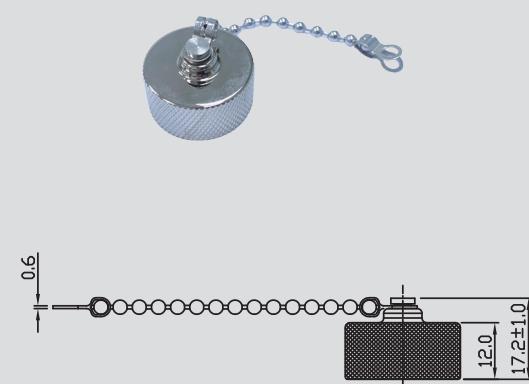
P/N	Mating Series No.
GT2C2130X2	GT225200 Series

Cap Metal For C3 Screw Panel
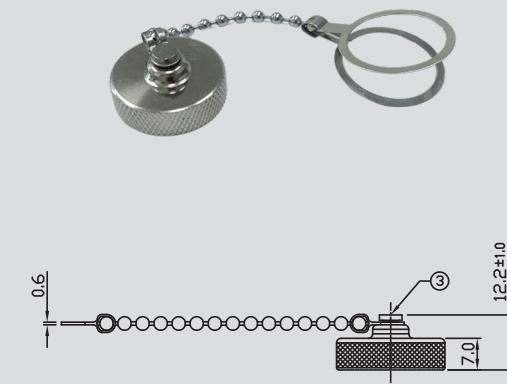
P/N	Mating Series No.
GT2C2150X2	GT225500 Series
	GT225510 Series
	GT625500 Series

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