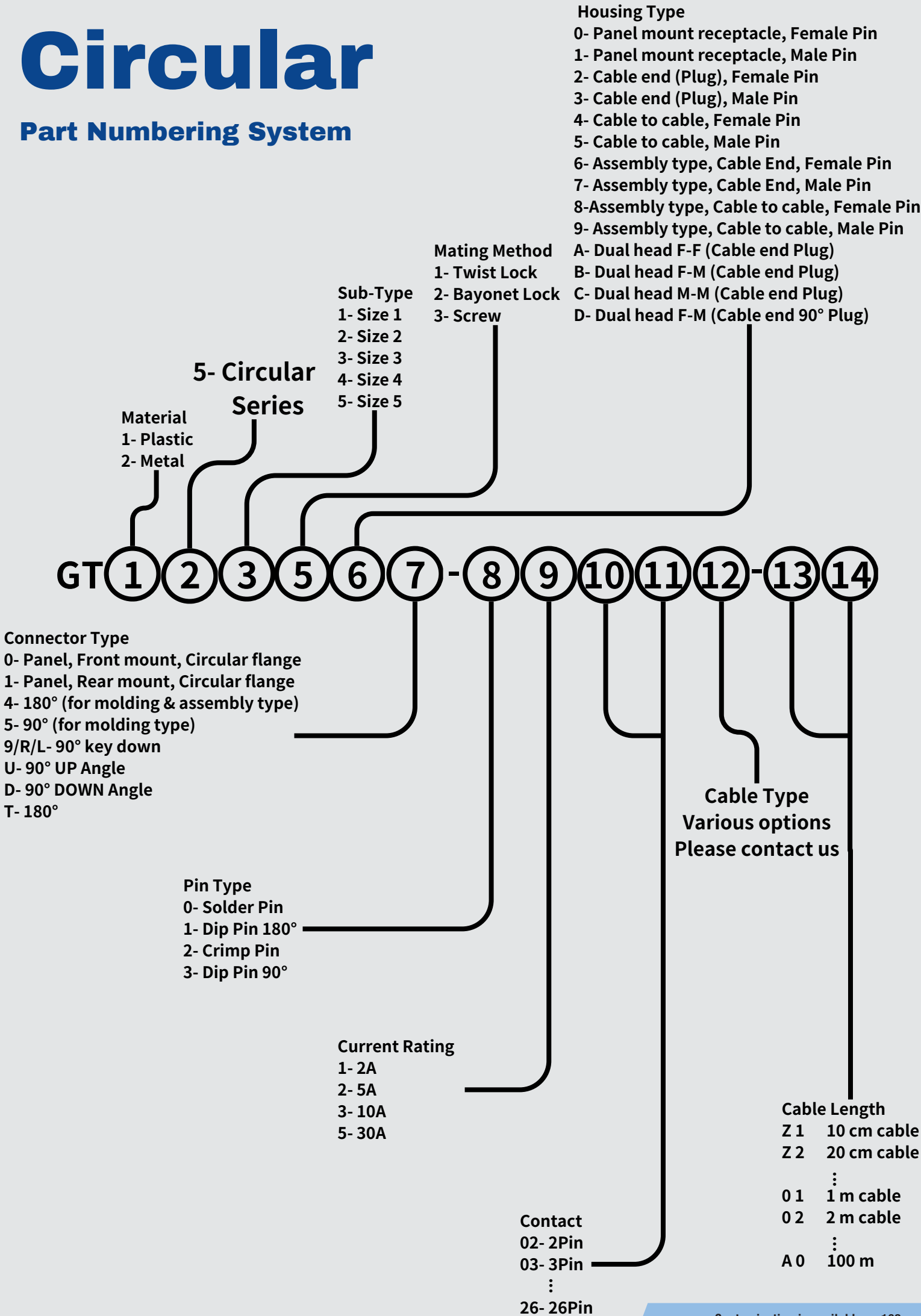


CIRCULAR SERIES



Circular

Part Numbering System

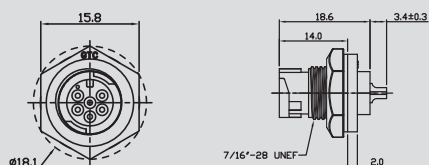


Specifications

Circular Connector Size 1/2/3/4 Engineering Specifications				
Specifications				
Size 1				
Current Rating	2.0A	5.0A		
AWG Gauge	22 AWG ~26 AWG	20 AWG ~24 AWG		
Size 2 & Size 3				
Current Rating	2.0A	5.0A	10.0A	
AWG Gauge	22 AWG ~26 AWG	20 AWG ~24 AWG	16 AWG ~20 AWG	
Size 4				
Current Rating	2.0A	5.0A	10.0A	30A
AWG Gauge	22 AWG ~26 AWG	20 AWG ~24 AWG	16 AWG ~20 AWG	12AWG
Operation Temperature	Plastic	With Cable -40°C / +85°C		
		Without Cable -40°C / +105°C		
	Metal	With Cable -40°C / +85°C		
		Without Cable -40°C / +105°C		
IP Rating	Plastic	IP67		
	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 C1/C2/C3/C4 Specification.		
Insulation Resistance	EIA 364-21 or IEC 60512-3a	DC500V±10% , test for 1 minute and the insulation resistance should be more than 100MΩ		
Dielectric Withstanding Voltage	EIA 364-20 or IEC 60512-4a	Size 1	5A(2~3 Pin): 1500 V AC contact-to-contact, for 1min. 2A(4~6Pin): 500 V AC contact-to-contact, for 1min.	
		Size 2/3/4	1500 V AC contact-to-contact, for 1min.	
Contact Resistance	EIA 364-06 or IEC 60512-2b Method B	10mΩ at 10mA Max.		

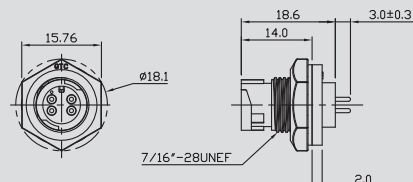
Product Technical Data			
Characteristics	Standard	Description	
Pin Pull Test	EIA 364-08 or IEC 60512-16d	1.Initial: 24 N minimum. 2.After Test: 16 N minimum.	
Durability	EIA 364-09 or IEC 60512-9a	Size 1	Lock type 200 cycles. rate of 200 cycles per hour.
		Size 2/3/4	Screw type 500 cycles ,rate of 200 cycles per hour. Lock type 200 cycles ,rate of 200 cycles per hour.
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 C1/C2/C3/C4 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.	
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/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
		Metal	Under 1 M water for 30 hours
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 C1 Panel Mount Male Solder Lock



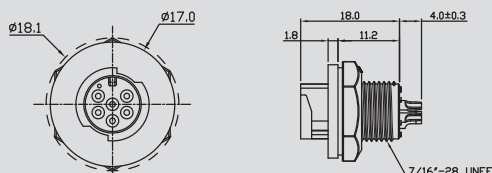
P/N	Rated current (A)	Contacts
GT151210-01040	2	4
GT151210-01050	2	5
GT151210-01060	2	6
GT151210-01080	5	8
GT151210-02020	5	2
GT151210-02030	5	3

Plastic C1 Panel Mount Male Dip Lock



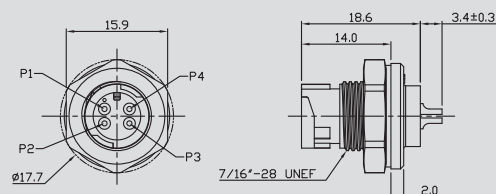
P/N	Rated current (A)	Contacts
GT151210-11040	2	4
GT151210-11050	2	5
GT151210-11060	2	6
GT151210-12020	5	2
GT151210-12030	5	3

Plastic C1 Panel Rear Mount Male Solder Lock



P/N	Rated current (A)	Contacts
GT151211-01040	2	4
GT151211-01050	2	5
GT151211-01060	2	6
GT151211-02020	5	2
GT151211-02030	5	3

Metal C1 Panel Mount Male Solder Lock

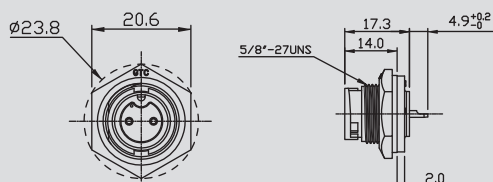


P/N	Rated current (A)	Contacts
GT251210-01040	2	4
GT251210-01050	2	5
GT251210-01060	2	6
GT251210-02020	5	2
GT251210-02030	5	3

C2 PANEL MOUNT

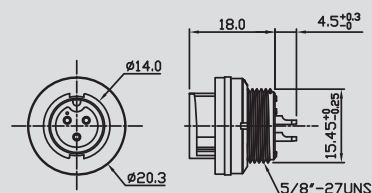
Circular

Plastic C2 Panel Mount Female Solder Lock



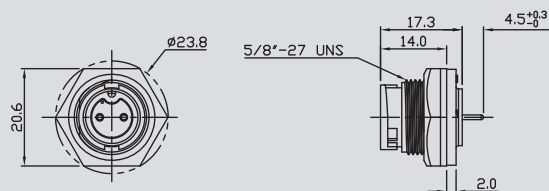
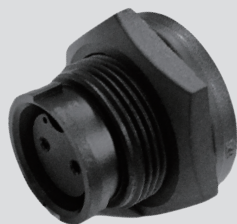
P/N	Rated current (A)	Contacts
GT152200-01100	2	10
GT152200-02020	5	2
GT152200-02030	5	3
GT152200-02040	5	4
GT152200-02050	5	5
GT152200-02060	5	6
GT152200-03040	10	4

Plastic C2 Panel Rear Mount Female Solder Lock



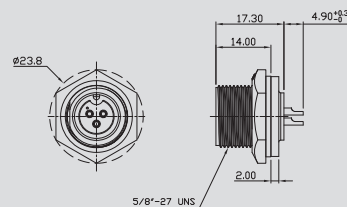
P/N	Rated current (A)	Contacts
GT152201-02030	5	3

Plastic C2 Panel Mount Female Dip Lock



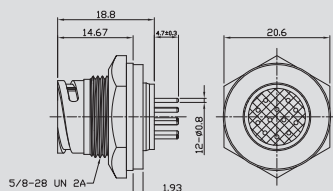
P/N	Rated current (A)	Contacts
GT152200-11100	2	10
GT152200-12020	5	2
GT152200-12040	5	4
GT152200-12050	5	5
GT152200-12060	5	6
GT152200-13040	10	4

Plastic C2 Panel Mount Female Solder Screw



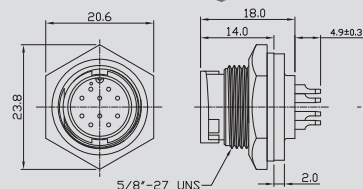
P/N	Rated current (A)	Contacts
GT152300-02030	5	3
GT152300-02060	5	6
GT152300-03030	10	3

Plastic C2 Panel Mount Male Dip Twist Lock



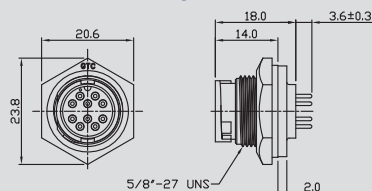
P/N	Rated current (A)	Contacts
GT152110-11120	2	12

Plastic C2 Panel Mount Male Solder Lock



P/N	Rated current (A)	Contacts
GT152210-01100	2	10
GT152210-01120	2	12
GT152210-01140	2	14
GT152210-02020	5	2
GT152210-02030	5	3
GT152210-02050	5	5
GT152210-02060	5	6
GT152210-02080	5	8
GT152210-03030	10	3
GT152210-03040	10	4

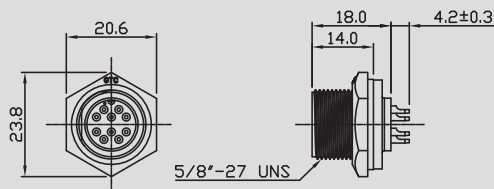
Plastic C2 Panel Mount Male Dip Lock



P/N	Rated current (A)	Contacts
GT152210-11100	2	10
GT152210-11120	2	12
GT152210-11140	2	14
GT152210-12020	5	2
GT152210-12030	5	3
GT152210-12050	5	5
GT152210-12060	5	6

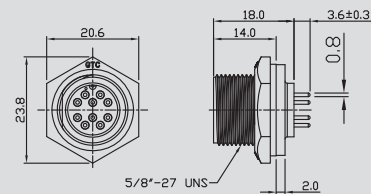
P/N	Rated current (A)	Contacts
GT152210-12080	5	8
GT152210-13030	10	3
GT152210-13040	10	4

Plastic C2 Panel Mount Male Solder Screw



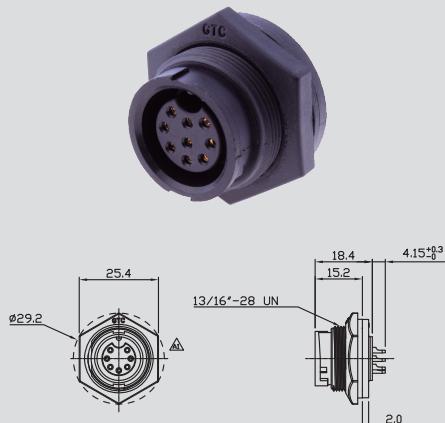
P/N	Rated current (A)	Contacts
GT152310-01100	2	10
GT152310-01120	2	12
GT152310-02020	5	2
GT152310-02030	5	3
GT152310-02050	5	5
GT152310-02080	5	8
GT152310-03040	10	4

Plastic C2 Panel Mount Male Dip Screw



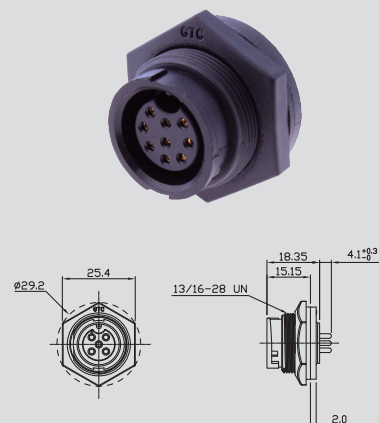
P/N	Rated current (A)	Contacts
GT152310-11100	2	10
GT152310-11120	2	12
GT152310-12080	5	8
GT152310-13040	10	4

Plastic C3 Panel Mount Female Solder Lock



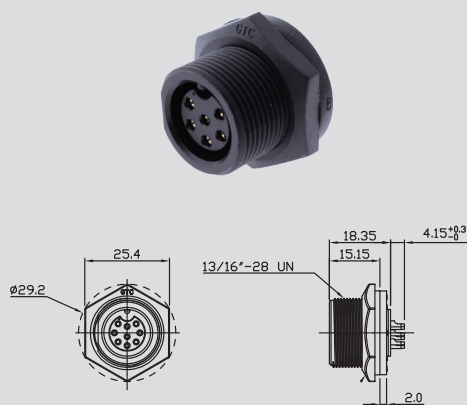
P/N	Rated current (A)	Contacts
GT153200-02090	5	9
GT153200-03040	10	4
GT153200-03050	10	5

Plastic C3 Panel Mount Female Dip Lock



P/N	Rated current (A)	Contacts
GT153200-12090	5	9
GT153200-13040	10	4
GT153200-13050	10	5

Plastic C3 Panel Mount Female Solder Screw



P/N	Rated current (A)	Contacts
GT153300-02090	5	9
GT153300-03040	10	4
GT153300-03050	10	5

Plastic C3 Panel Mount Male Solder Screw



P/N	Rated current (A)	Contacts
GT153310-01180	2	18
GT153310-02140	5	14
GT153310-03060	10	6

C3 PANEL MOUNT

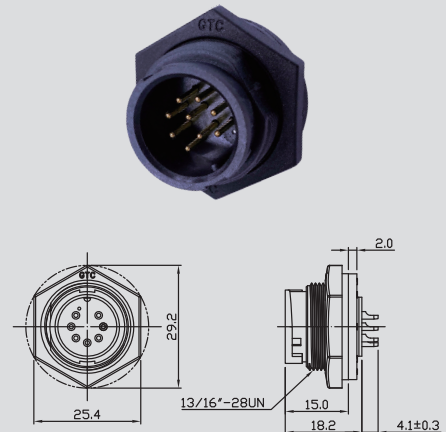
Circular

Plastic C3 Panel Male Solder Twist Lock



P/N	Rated current (A)	Contacts
GT153110-02140	5	14

Plastic C3 Panel Mount Male Solder Lock



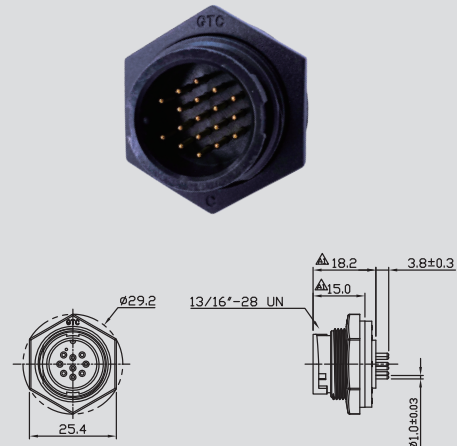
P/N	Rated current (A)	Contacts
GT153210-01180	2	18
GT153210-02090	5	9
GT153210-02140	5	14
GT153210-03040	10	4
GT153210-03050	10	5

Plastic C3 Panel Male Dip Twist Lock



P/N	Rated current (A)	Contacts
GT153110-12140	5	14

Plastic C3 Panel Mount Male Dip Lock



P/N	Rated current (A)	Contacts
GT153210-11180	2	18
GT153210-12090	5	9
GT153210-12140	5	14
GT153210-13040	10	4
GT153210-13050	10	5

Plastic C4 Panel Mount Female Solder Lock



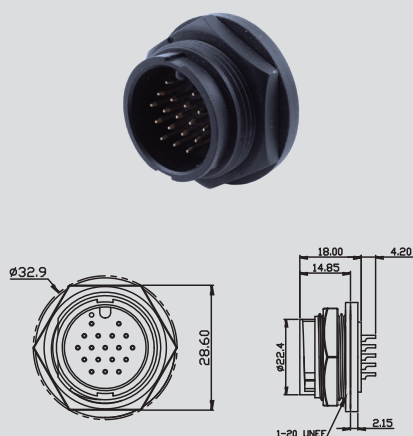
P/N	Rated current (A)	Contacts
GT154200-01260	2	26
GT154200-02180	5	18
GT154200-03090	10	9
GT154200-05030	30	3

Plastic C4 Panel Mount Female Dip Lock



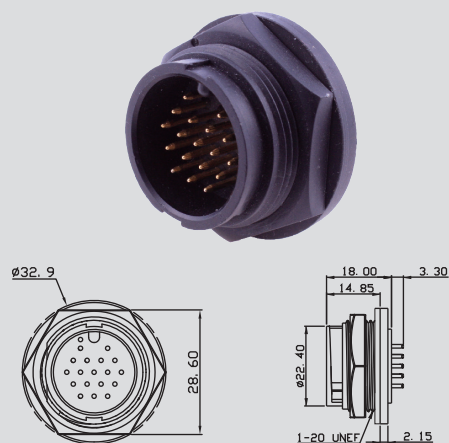
P/N	Rated current (A)	Contacts
GT154200-11260	2	26
GT154200-12180	5	18
GT154200-13090	10	9

Plastic C4 Panel Mount Male Solder Lock



P/N	Rated current (A)	Contacts
GT154210-02180	5	18
GT154210-05030	30	3

Plastic C4 Panel Mount Male Dip Lock



P/N	Rated current (A)	Contacts
GT154210-12180	5	18

C4 PANEL MOUNT

Circular

Plastic C4 Panel Mount Male Solder Screw



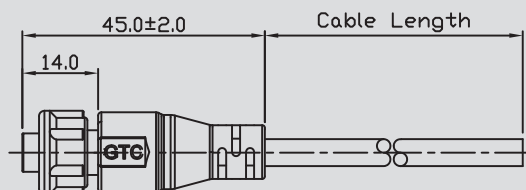
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GT154310-01200	2	20
GT154310-02180	5	18

Plastic C4 Panel Mount Male Dip Screw



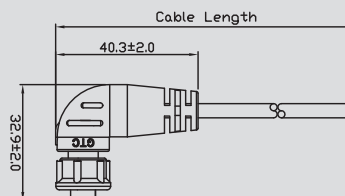
P/N	Rated current (A)	Contacts
GT154310-12180	5	18

Plastic C1 Cable End Female Lock with Cable



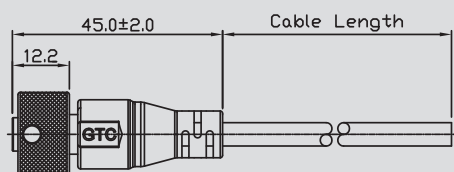
P/N	Rated current (A)	Contacts
GT151224-2104X-XX	2	4
GT151224-2105X-XX	2	5
GT151224-X106X-XX	2	6
GT151224-0108X-XX	2	8
GT151224-X202X-XX	5	2
GT151224-X203X-XX	5	3

Plastic C1 Cable End Female 90° Lock with Cable



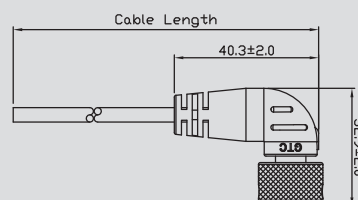
P/N	Rated current (A)	Contacts
GT151229-2104X-XX	2	4
GT151229-2106X-XX	2	6
GT151229-2202X-XX	5	2
GT151229-2203X-XX	5	3

Metal C1 Cable End Female Lock with Cable



P/N	Rated current (A)	Contacts
GT251224-2104X-XX	2	4
GT251224-2105X-XX	2	5
GT251224-2106X-XX	2	6
GT251224-22021-XX	5	2
GT251224-22031-XX	5	3

Metal C1 Lock Cable End Female 90° Lock with Cable

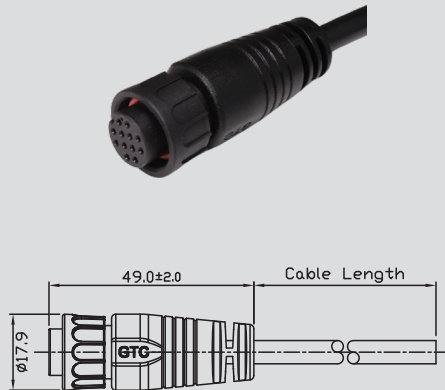


P/N	Rated current (A)	Contacts
GT251229-2104X-XX	2	4
GT251229-2105X-XX	2	5
GT251229-2106X-XX	2	6
GT251229-2202X-XX	5	2
GT251229-2203X-XX	5	3

C2 CABLE END

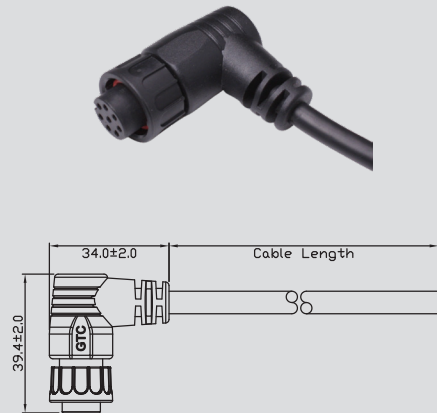
Circular

Plastic C2 Cable End Female Lock with Cable



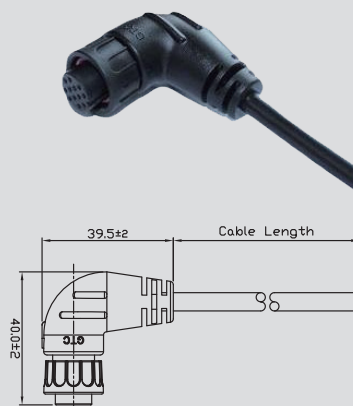
P/N	Rated current (A)	Contacts
GT152224-2110X-XX	2	10
GT152224-2114X-XX	2	14
GT152224-2202X-XX	5	2
GT152224-2203X-XX	5	3
GT152224-2204X-XX	5	4
GT152224-2205X-XX	5	5
GT152224-X206X-XX	5	6
GT152224-2208X-XX	5	8
GT152224-2304X-XX	10	4

Plastic C2 Cable End Female 90° Lock with Cable



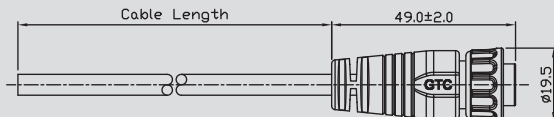
P/N	Rated current (A)	Contacts
GT152225-2110X-XX	2	10
GT152225-2114X-XX	2	14
GT152225-2202X-XX	5	2
GT152225-2203X-XX	5	3
GT152225-2204X-XX	5	4
GT152225-2205X-XX	5	5
GT152225-2206X-XX	5	6
GT152225-2208X-XX	5	8
GT152225-2304X-XX	10	4

Plastic C2 Cable End 90° Key Down Female Lock with Cable



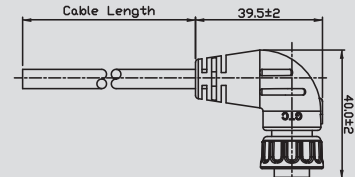
P/N	Rated current (A)	Contacts
GT152229-2112X-XX	2	12
GT152229-2208X-XX	5	8

Plastic C2 Cable End Female Screw with Cable



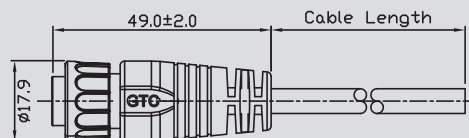
P/N	Rated current (A)	Contacts
GT152324-X110X-XX	2	10
GT152324-2112X-XX	2	12
GT152324-2202X-XX	5	2
GT152324-2203X-XX	5	3
GT152324-2204X-XX	5	4
GT152324-2205X-XX	5	5
GT152324-2208X-XX	5	8
GT152324-2303X-XX	10	3
GT152324-2304X-XX	10	4

Plastic C2 Cable End Female 90° Screw with Cable



P/N	Rated current (A)	Contacts
GT152325-2208X-XX	5	8

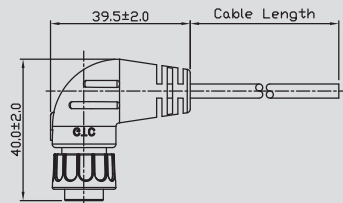
Plastic C2 Cable End Male Lock with Cable



P/N	Rated current (A)	Contacts
GT152234-21101-XX	2	10
GT152234-X202X-XX	5	2
GT152234-2203X-XX	5	3
GT152234-X204X-XX	5	4

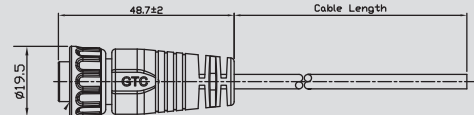
P/N	Rated current (A)	Contacts
GT152234-X205X-XX	5	5
GT152234-X206X-XX	5	6
GT152234-2209X-XX	5	9
GT152234-2304X-XX	10	4

Plastic C2 Cable End Male 90° Lock with Cable



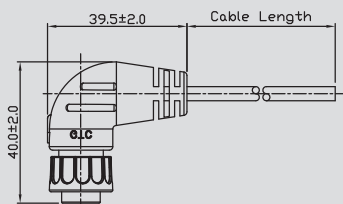
P/N	Rated current (A)	Contacts
GT152235-2202X-XX	5	2
GT152235-2205X-XX	5	5
GT152235-2209X-XX	5	9

Plastic C2 Cable End Male Screw with Cable



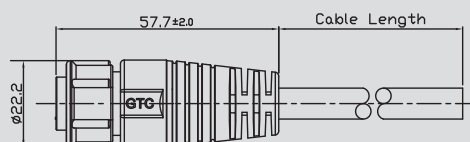
P/N	Rated current (A)	Contacts
GT152334-2203X-XX	5	3
GT152334-2204X-XX	5	4
GT152334-2205X-XX	5	5
GT152334-2303X-XX	10	3

Plastic C2 Cable End Male 90° Screw with Cable



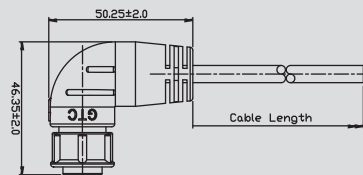
P/N	Rated current (A)	Contacts
GT152335-22061-XX	5	6

Plastic C3 Cable End Female Lock with Cable



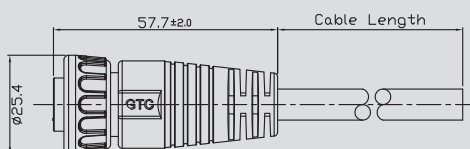
P/N	Rated current (A)	Contacts
GT153224-2118X-XX	2	18
GT153224-2209X-XX	5	9
GT153224-2214X-XX	5	14
GT153224-2304X-XX	10	4
GT153224-2305X-XX	10	5

Plastic C3 Cable End Female 90° Lock with Cable



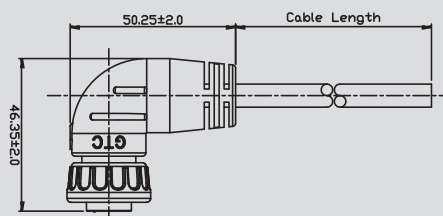
P/N	Rated current (A)	Contacts
GT153225-2209X-XX	5	9

Plastic C3 Cable End Female Screw with Cable



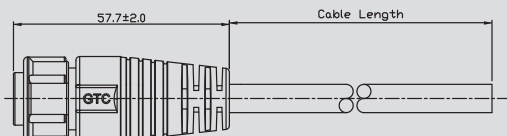
P/N	Rated current (A)	Contacts
GT153324-21181-XX	2	18
GT153324-2214X-XX	5	14
GT153324-2304X-XX	10	4
GT153324-2306X-XX	10	6

Plastic C3 Cable End Female 90° Screw with Cable



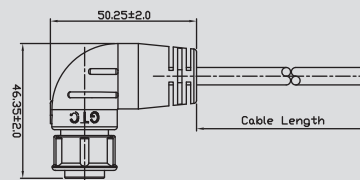
P/N	Rated current (A)	Contacts
GT153325-2214X-XX	5	14
GT153325-2218X-XX	5	18

Plastic C3 Cable End Male Lock with Cable



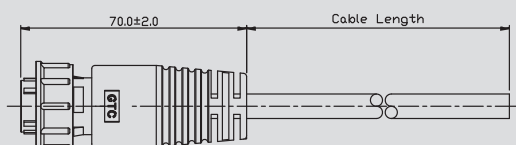
P/N	Rated current (A)	Contacts
GT153234-2209X-XX	5	9
GT153234-2304X-XX	10	4
GT153234-2305X-XX	10	5

Plastic C3 Cable End Male 90° Lock with Cable



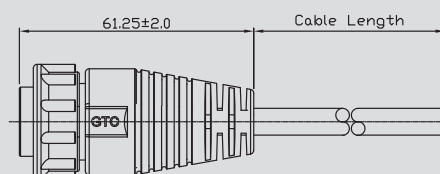
P/N	Rated current (A)	Contacts
GT153235-2209X-XX	5	9
GT153235-2304X-XX	10	4

Plastic C4 Cable End Female Lock with cable



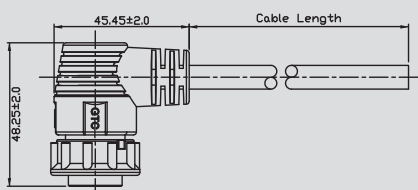
P/N	Rated current (A)	Contacts
GT154124-2305X-XX	10	5

Plastic C4 Cable End Male Lock with Cable



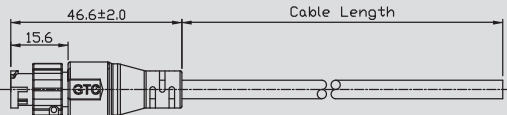
P/N	Rated current (A)	Contacts
GT154234-2126X-XX	2	26
GT154234-2218X-XX	5	30
GT154234-2306X-XX	10	6
GT154234-2309X-XX	10	9
GT154234-2503X-XX	30	3

Plastic C4 Cable End Male 90° Lock with Cable



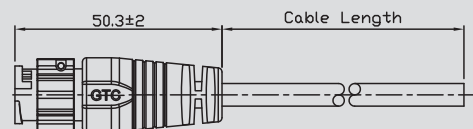
P/N	Rated current (A)	Contacts
GT154235-2122X-XX	2	22
GT154235-2218X-XX	5	18

Plastic C1 Cable To Cable Male Lock with Cable



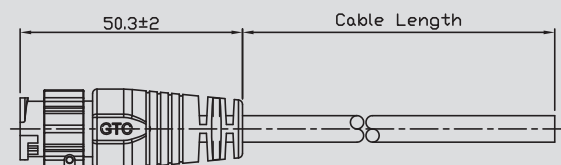
P/N	Rated current (A)	Contacts
GT151254-2104X-XX	2	4
GT151254-2105X-XX	2	5
GT151254-2106X-XX	2	6
GT151254-2202X-XX	5	2
GT151254-2203X-XX	5	3

Plastic C2 Cable To Cable Female Lock with Cable



P/N	Rated current (A)	Contacts
GT152244-X2061-XX	5	6

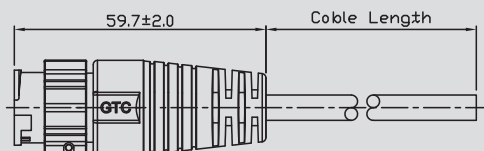
Plastic C2 Cable To Cable Male Lock with Cable



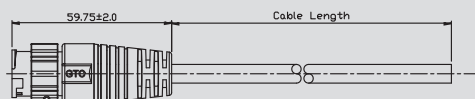
P/N	Rated current (A)	Contacts
GT152254-2110X-XX	2	10
GT152254-2112X-XX	2	12
GT152254-2114X-XX	2	14
GT152254-2204X-XX	5	4

P/N	Rated current (A)	Contacts
GT152254-2205X-XX	5	5
GT152254-2208X-XX	5	8
GT152254-2303X-XX	10	3
GT152254-2304X-XX	10	4

Plastic C3 Cable To Cable Female Lock with Cable



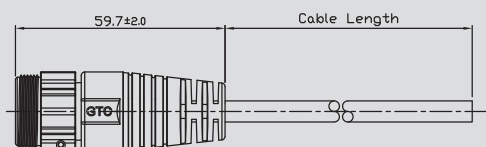
Plastic C3 Cable To Cable Male Lock with Cable



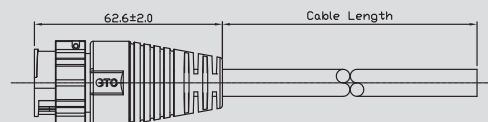
P/N	Rated current (A)	Contacts
GT153244-2304X-XX	10	4
GT153244-2305X-XX	10	5

P/N	Rated current (A)	Contacts
GT153254-2214X-XX	5	14
GT153254-2304X-XX	10	4

Plastic C3 Cable To Cable Male Screw with Cable



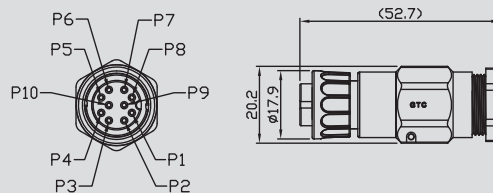
Plastic C4 Cable To Cable Female Lock with Cable



P/N	Rated current (A)	Contacts
GT153354-2302X-XX	10	2

P/N	Rated current (A)	Contacts
GT154244-2126X-XX	2	26
GT154244-0218X-XX	5	18
GT154244-2503X-XX	30	3

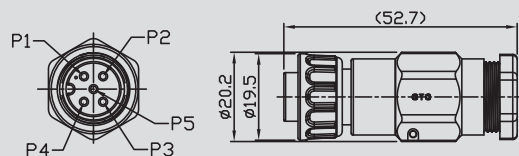
Plastic C2 Field Installable Cable End Female Lock



P/N	Rated current (A)	Contacts
GT152264-21100	2	10
GT152264-21120	2	12
GT152264-22030	5	3
GT152264-22040	5	4
GT152264-22050	5	5

P/N	Rated current (A)	Contacts
GT152264-22060	5	6
GT152264-22070	5	7
GT152264-22080	5	8
GT152264-23030	10	3
GT152264-23040	10	4

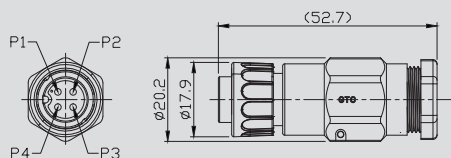
Plastic C2 Field Installable Cable End Female Screw



P/N	Rated current (A)	Contacts
GT152364-21100	2	10
GT152364-21120	2	12
GT152364-22050	5	5

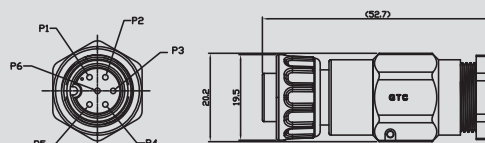
P/N	Rated current (A)	Contacts
GT152364-22080	5	8
GT152364-23040	10	4

Plastic C2 Field Installable Cable End Male Lock



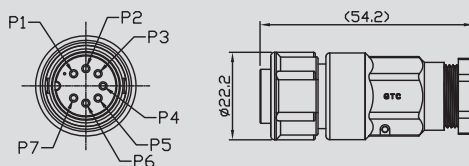
P/N	Rated current (A)	Contacts
GT152274-21100	2	10
GT152274-22060	5	6
GT152274-03040	10	4

Plastic C2 Field Installable Cable End Male Screw



P/N	Rated current (A)	Contacts
GT152374-22060	5	6

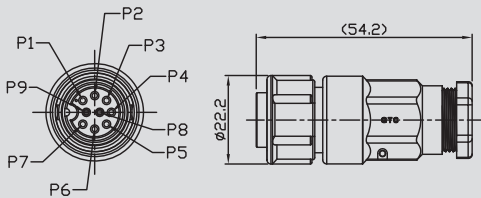
Plastic C3 Field Installable Cable End Female Lock



P/N	Rated current (A)	Contacts
GT153264-22070	5	4
GT153264-22090	5	6
GT153264-22140	5	14

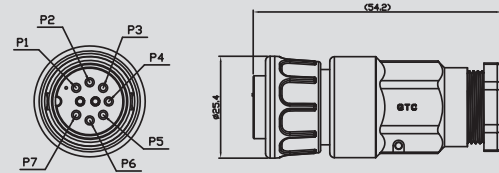
P/N	Rated current (A)	Contacts
GT153264-23040	10	4
GT153264-23050	10	5
GT153264-23060	10	6

Plastic C3 Field Installable Cable End Male Lock



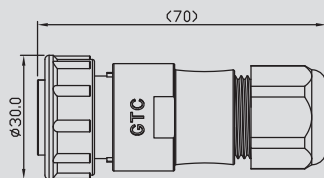
P/N	Rated current (A)	Contacts
GT153274-22090	5	9
GT153274-23030	10	3
GT153274-23040	10	4
GT153274-23050	10	5

Plastic C3 Field Installable Cable End Female Screw



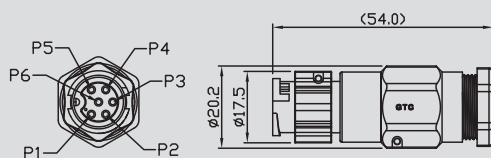
P/N	Rated current (A)	Contacts
GT153364-22140	5	14

Plastic C4 Field Installable Cable End Male Screw



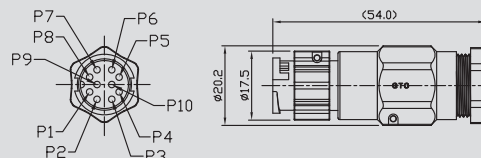
P/N	Rated current (A)	Contacts
GT154364-0218A	5	18

Plastic C2 Field Installable Cable To Cable Female Lock



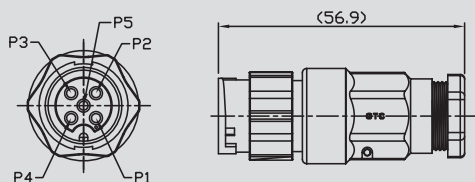
P/N	Rated current (A)	Contacts
GT152284-22060	5	6
GT152284-23040	10	4

Plastic C2 Field Installable Cable To Cable Male Lock



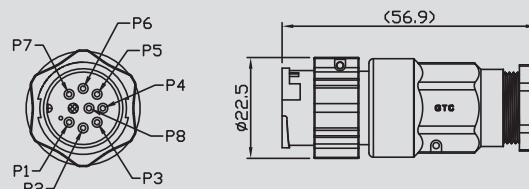
P/N	Rated current (A)	Contacts
GT152294-21100	2	10
GT152294-21120	2	12
GT152294-22050	5	5
GT152294-22080	5	8
GT152294-2303X	10	3
GT152294-23040	10	4

Plastic C3 Field Installable Cable To Cable Female Lock



P/N	Rated current (A)	Contacts
GT153284-23050	10	5

Plastic C3 Field Installable Cable To Cable Male Lock

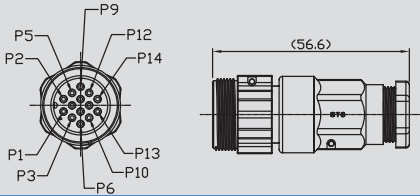


P/N	Rated current (A)	Contacts
GT153294-22140	5	14
GT153294-22090	5	9
GT153294-23040	10	4
GT153294-23050	10	5

FIELD INSTALLABLE CABLE TO CABLE

Circular

Plastic C3 Field Installable Cable To Cable Male Screw

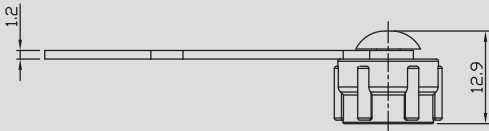


P/N	Rated current (A)	Contacts
GT153394-22140	5	14

Circular

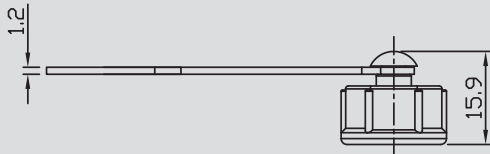
CAP

Cap Plastic C1 Lock



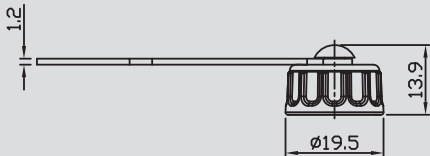
P/N	Mating Series No.
GT1C5121X2	GT151210 Series
	GT151211 Series

Cap Plastic C2 Lock



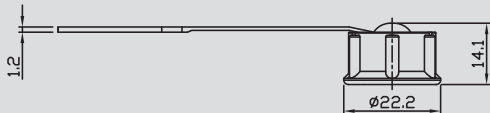
P/N	Mating Series No.
GT1C5221X2	GT152200 Series
	GT152201 Series
	GT152210 Series
	GT152310 Series

Cap Plastic C2 Screw



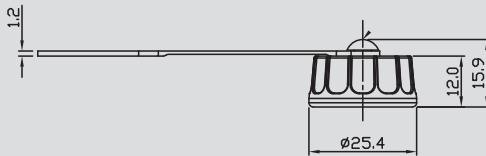
P/N	Mating Series No.
GT1C5231X2	GT152300 Series
	GT152310 Series
	GT153200 Series

Cap Plastic C3 Lock



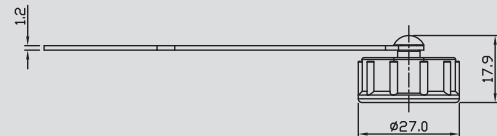
P/N	Mating Series No.
GT1C5321X2	GT153210 Series

Cap Plastic C3 Screw



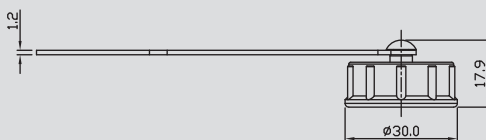
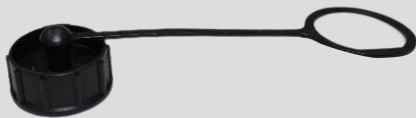
P/N	Mating Series No.
GT1C5331X2	GT153210 Series
	GT153300 Series
	GT153310 Series

Cap Plastic C4 Lock



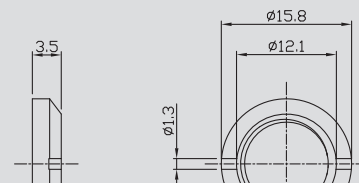
P/N	Mating Series No.
GT1C5421X2	GT154200 Series
	GT154210 Series

Cap Plastic C4 Screw



P/N	Mating Series No.
GT1C5431X2	GT154310 Series

Spanner Nut & Tool



P/N	Product
GT66151-00020	C1 Spanner Nut
GT66152-00030	C2 Spanner Nut
GT66153-00020	C3 Spanner Nut
GT66154-00020	C4 Spanner Nut
GT58151-X1001	C1 Spanner Nut Tool
GT58152-X1001	C2 Spanner Nut Tool
GT58153-X1002	C3 Spanner Nut Tool
GT58154-X1001	C4 Spanner Nut Tool



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