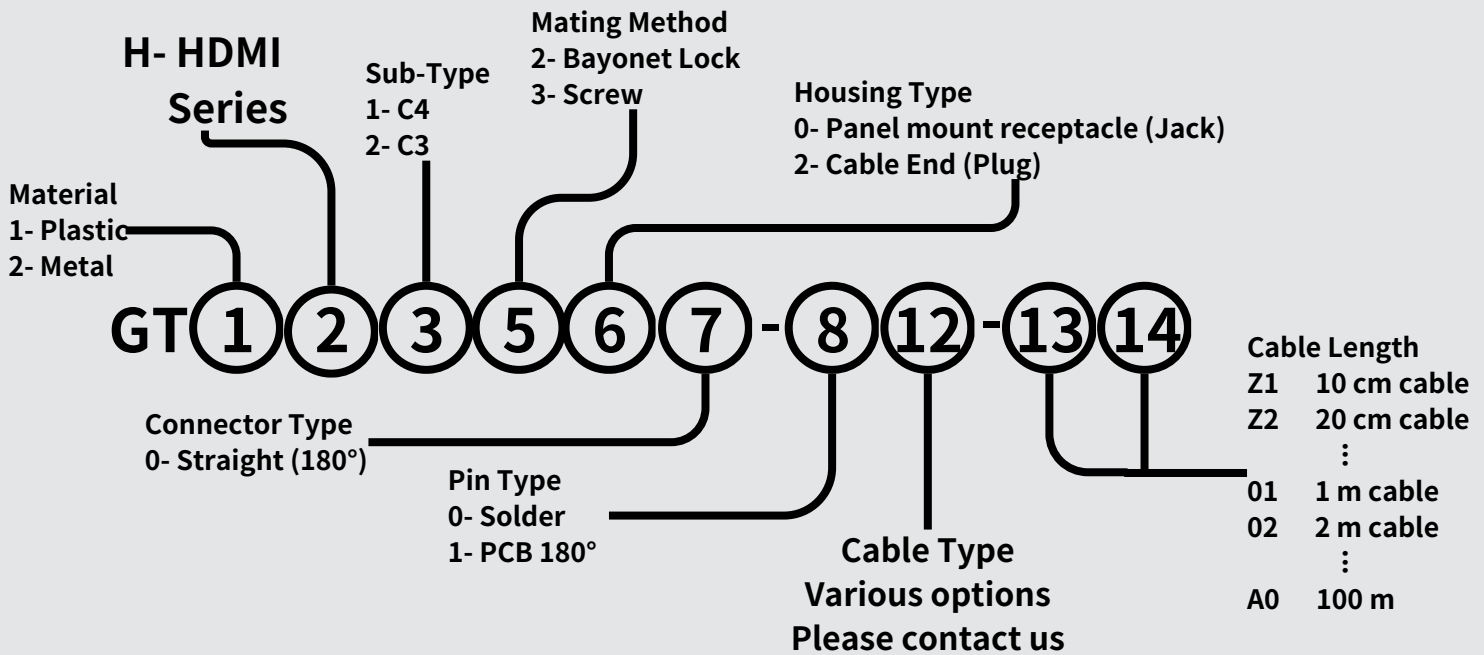


HDMI & DISPLAYPORT SERIES



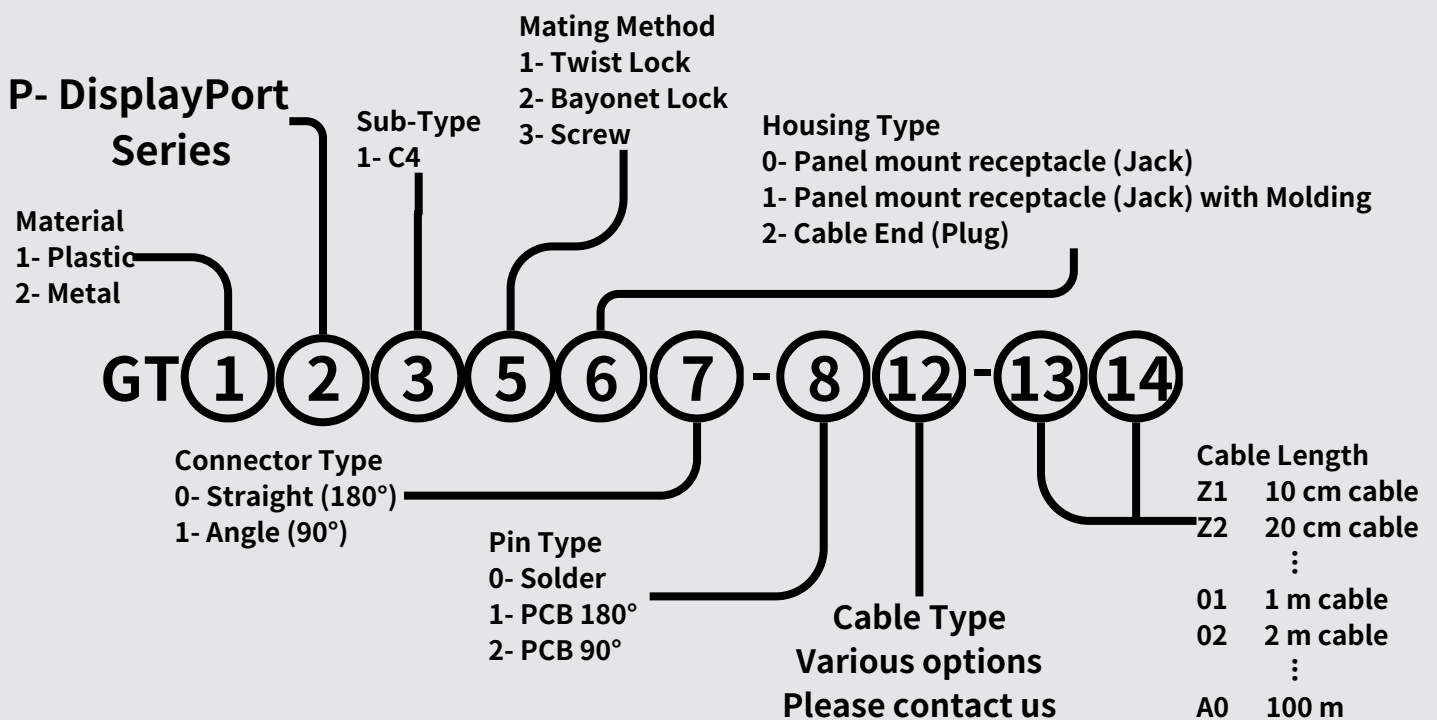
HDMI

Part Numbering System



DisplayPort

Part Numbering System



Specifications

HDMI Plastic / Metal Engineering Specifications			
Specifications			
Current Rating	0.5A		
AWG Gauge	28 AWG		
Operation Temperature	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 HDMI 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.	
Contact Resistance	EIA 364-06 Method B or IEC 60512-2b	30mΩ at 10mA Max.	
Insertion and withdrawal forces	IEC60512,13b	Speed: 10 mm/s maximum. Insertion: 15 N maximum at a maximum rate of 12.5 mm (0.492") per minute. Withdrawal: 4 N minimum at a maximum rate of 12.5 mm (0.492") per minute.	
Durability	EIA 364-09 or IEC 60512-9a	Plastic	Lock type 200 cycles, rate of 200 cycles per hour.
		Metal	Screw type 5000 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.	

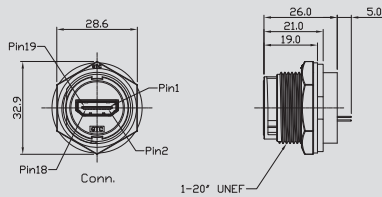
Product Technical Data			
Characteristics	Standard	Description	
Cable Flexing	EIA 364-41	A traverse 180° in one direction plus 180° in the opposite direction shall be called one cycle , the cycling rate shall be 12 to 14 cycles per minute.	
Physical Shock	EIA 364 27 Test Condition H or IEC 60512-6c	No discontinuities of 1 μs or longer duration when mated HDMI 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 48hr, 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 24hr
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	

Specifications

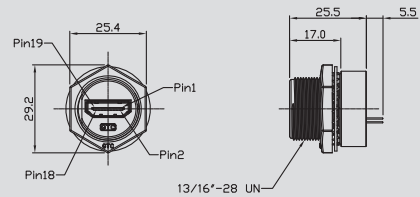
Displayport C4 Metal Engineering Specifications		
Specifications		
Current Rating	0.5A	
AWG Gauge	32 AWG	
Operation Temperature	0°C / +80°C	
IP Rating	IP 68	
Product Technical Data		
Characteristics	Standard	Description
Visual and Dimensional Inspection	EIA 364-18	Must meet or exceed the requirements specified by the most current version of the DisplayPort 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	500 VAC peak, contact-to-contact, for 1min.
Contact Resistance	EIA 364-06 Method B or IEC 60512-2b	30mΩ at 10mA Max.
Insertion and withdrawal forces	IEC60512,13b	Speed: 10 mm/s maximum. Insertion : 44 N maximum at a maximum rate of 12.5 mm (0.492”) per minute. Withdrawal : 9.8 N minimum at a maximum rate of 12.5 mm (0.492”) per minute.
Durability	EIA 364-09 or IEC 60512-9a	Screw type 5000 cycles, rate of 200 cycles per hour.
Cable Pull-Out	EIA 364-38 Test or IEC 60512-13a	After the application of a steady state axial load of 20 N for one minute.

Product Technical Data		
Characteristics	Standard	Description
Cable Flexing	EIA 364-41	A traverse 90° in one direction plus 90° 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 Displayport 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	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 A 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 48hr, after the test, check if there is rusty and oxidized phenomenon.
Waterproof Test	IEC 60529	Under 1 M water for 24hr
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

HDMI C4 Plastic Panel Jack Lock



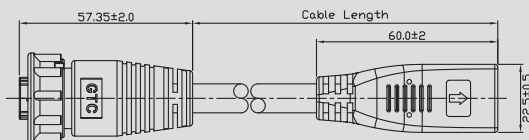
HDMI C3 Metal Panel Jack Screw



P/N	Product
GT1H1200-10	Dip Pin
GT1H1200-20	Dip Pin 90°
GT1H1200-01-XX	with Cable + HDMI Female
GT1H1200-02-XX	with Cable + HDMI Plug
GT1H1200-03-XX	with Blunt Cut Cable

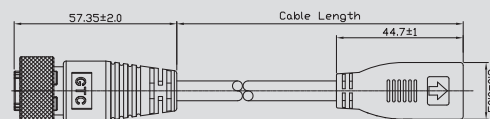
P/N	Product
GT2H2300-10	Dip Pin
GT2H2300-20	Dip Pin 90°
GT2H2300-01-XX	with Cable + HDMI Female
GT2H2300-01-XX(G)	with Cable + HDMI Female (Green Color Housing)
GT2H2300-02-XX	with Cable + HDMI Plug
GT2H2300-02-XX(G)	with Cable + HDMI Plug (Green Color Housing)
GT2H2300-03-XX	with Blunt Cut Cable
GT2H2300-03-XX(G)	with Blunt Cut Cable (Green Color Housing)

HDMI C4 Plastic Cable End Plug Lock



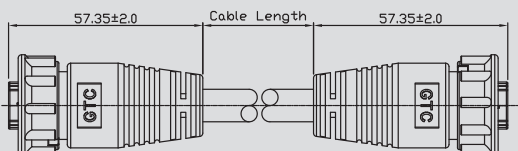
P/N	Product
GT1H1220-01-XX	with Cable + HDMI Female
GT1H1220-02-XX	with Cable + HDMI Plug
GT1H1220-03-XX	with Blunt Cut Cable

HDMI C3 Metal Cable End Plug Screw



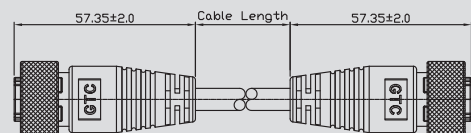
P/N	Product
GT2H2320-01-XX	with Cable + HDMI Female
GT2H2320-01-XX(G)	with Cable + HDMI Jack (Green Color Housing)
GT2H2320-02-XX	with Cable + HDMI Plug
GT2H2320-02-XX(G)	with Cable + HDMI Plug (Green Color Housing)
GT2H2320-03-XX	with Blunt Cut Cable
GT2H2320-03-XX(G)	with Blunt Cut Cable (Green Color Housing)

HDMI C4 Plastic Cable End Plug Dual Head Lock



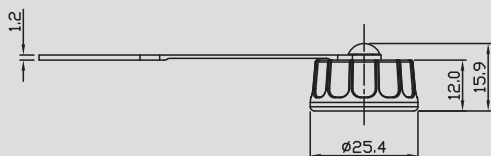
P/N	Product
GT1H1220-0M-XX	Dual Head Plug

HDMI C3 Metal Cable End Plug Dual Head Screw

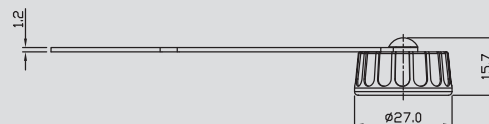


P/N	Product
GT2H2320-0M-XX	Dual Head Plug
GT2H2320-0M-XX(G)	Dual Head Plug (Green Color Housing)

Cap Plastic C3 Screw Panel



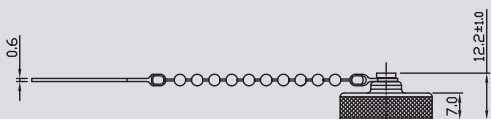
Cap Plastic C4 Lock



P/N	Mating Series No.
GT1C5331X2	GT2H2300 Series

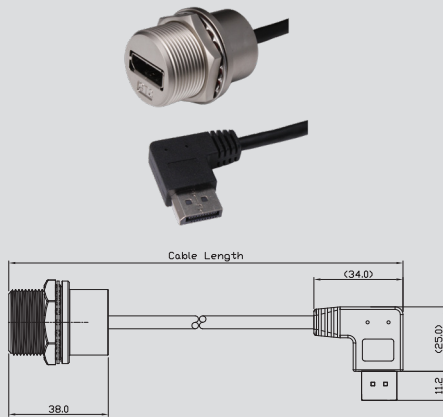
P/N	Mating Series No.
GT1C1110X2	GT1H1200 Series

Cap Metal C3 Screw



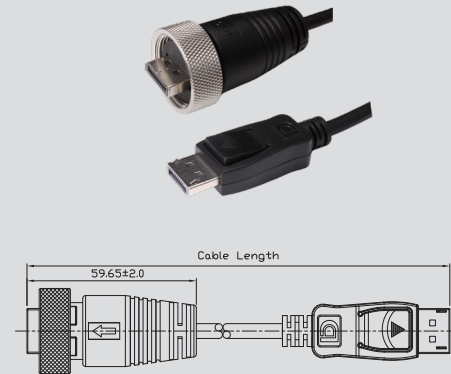
P/N	Mating Series No.
GT2C2150X2	GT2H2300 Series

DisplayPort Metal C4 Panel Jack Screw



P/N	Product
GT2P1300-04-XX	with Cable + Plug Right Angle

Display Metal C4 Cable End Plug Screw



P/N	Product
GT2P1320-02-XX	with Cable + Plug



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