

## Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

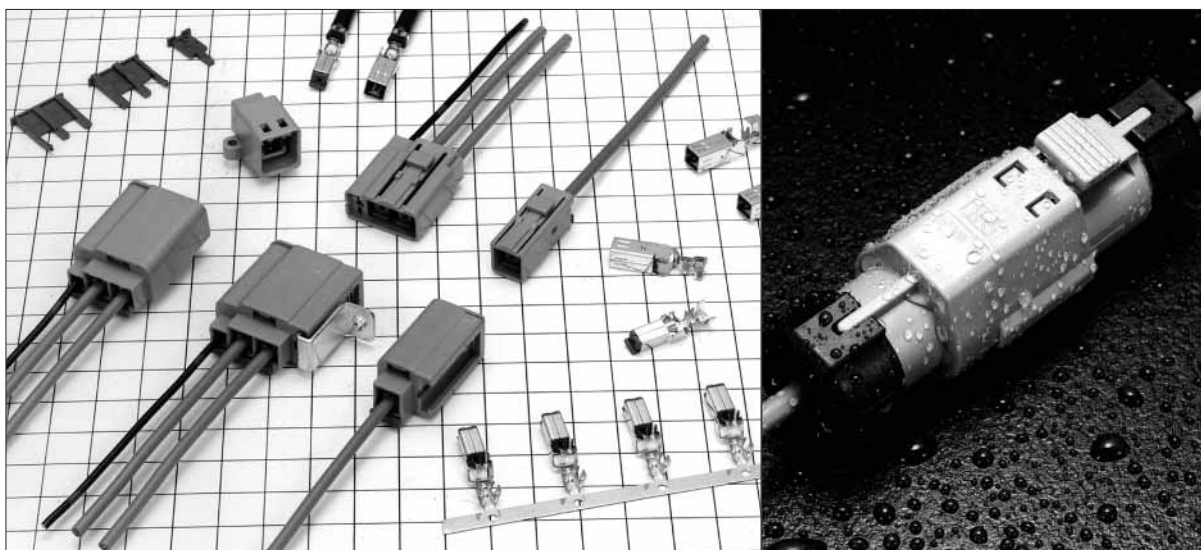
SAE/USCAR-19

Termination of coaxial cables in automotive, medical and instrumentation applications utilizes a single motion to crimp the center conductor, shield and outer insulation.

# GT5 Series

### — Connectors for coaxial shielded cables —

<Several types and configurations: In-line, board mounted, combinations of coaxial cable with signal/power, Multi-position and color/ keying variations.>



### Features

- **USCAR Standard** titled "Square Outer Conductor (SAE/USCAR-19)" excludes Water Proof type (GT5W)
- **Cost efficient termination**  
Highly efficient and reliable single motion "Twin Crimp<sup>TM</sup>" termination allows high volume production with semi-automatic equipment.
- **Space-saving Design**
- **Lock-release latching system**
- **Shock / vibration resistant electrical connections**
- **Verification of the full contact insertion**
- **Color and polarizing variations**
- **Excellent High Frequency Performance**  
Refer to V.S.W.R. data on the following pages.

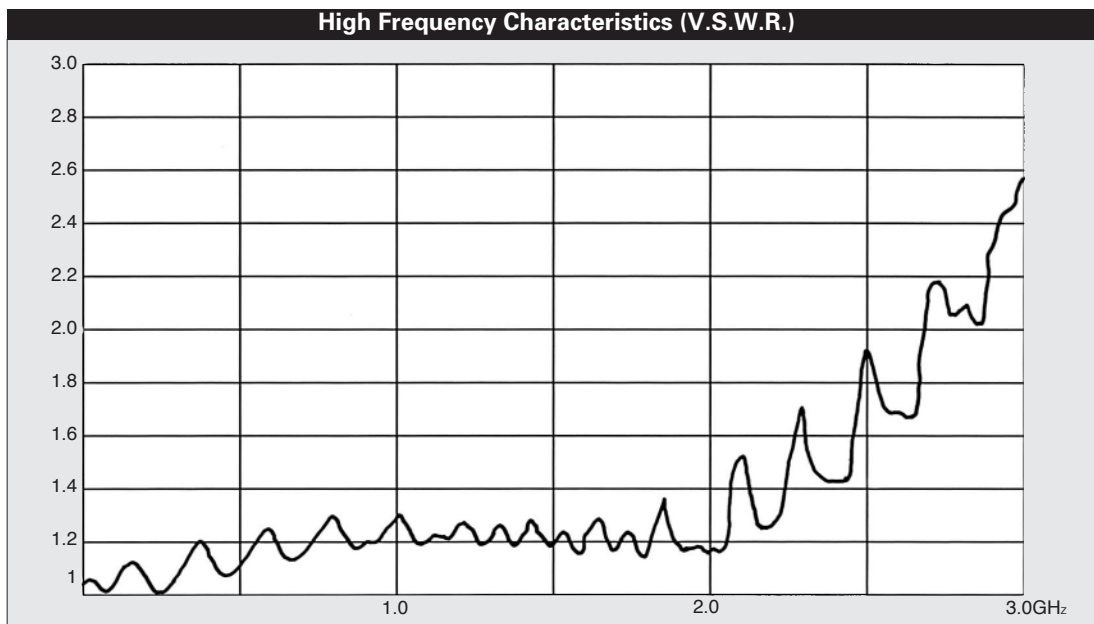
### Applications

In-car communication, car sensors (temperature, pressure), automotive audio systems, GPS antenna systems, RACS antenna audio/video antenna systems, CRT displays, medical and measuring instrumentation, variety of communication equipment, office automation equipment, LAN systems.

\*"Twin Crimp" is a registered trade mark of Hirose Electric.

## GT5 Series

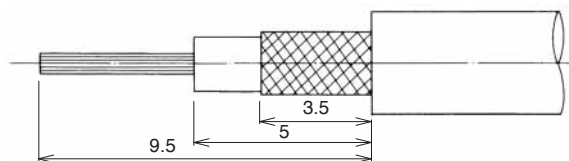
### ◆ Test Data (Using 1.5D-2V Type cable)



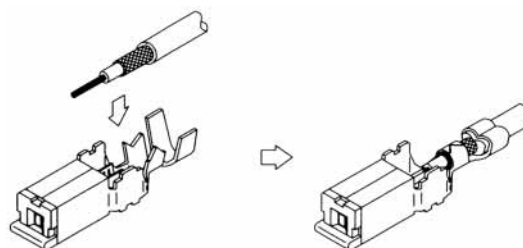
**Note:** Typical data using fully assembled and connected GT5-1S-HU and the GT5-1PP-HU.

### ◆ Termination sequence

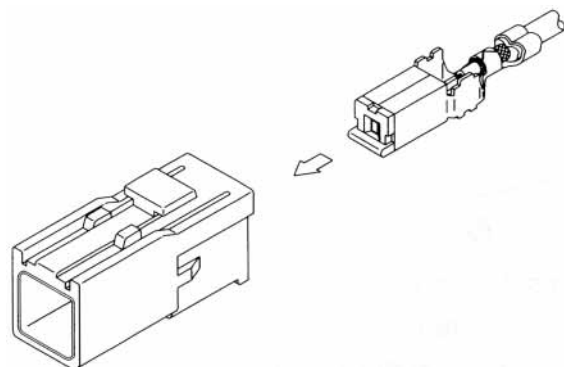
1. Strip the cable.



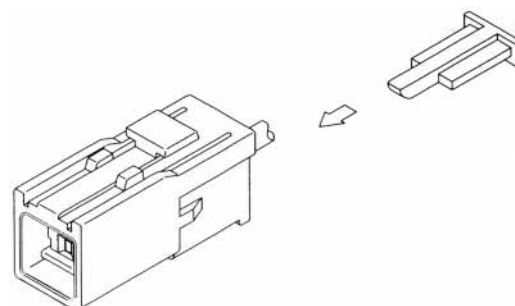
2. Crimp the cable to the terminal.



3. Insert the terminal in the housing until is fully locked.

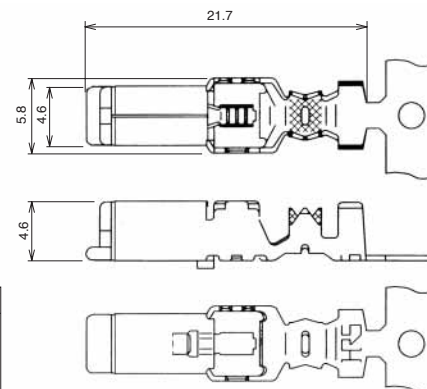
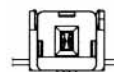


4. Fully insert the retainer.



## Terminals for coaxial shielded cable

### F Connector Terminals

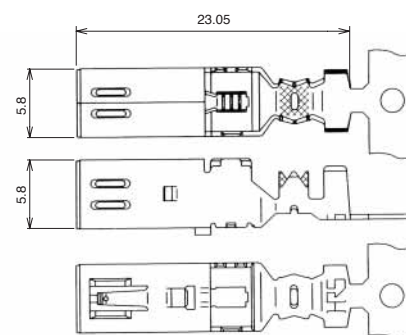
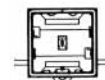


Part Number	CL No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT5-30/0.7-1.5SCF(70)	755-0065-1-70	#30 or equivalent	0.6 to 0.9mm	1.4 to 1.8mm	1,300 pcs. per reel	YES
GT5-2428/1.1-2.2SCF	755-0123-6	#24 to 28 or equivalent	1.0 to 1.4mm	2.0 to 2.4mm	1,300 pcs. per reel	
GT5-2428/1.6-2.5SCF(70)	755-0078-3-70	#24 to 28 or equivalent	1.5 to 2.0mm	2.3 to 2.7mm	1,300 pcs. per reel	
GT5-30/1.6-2.9SCF(70)	755-0022-9-70	#30 or equivalent	1.5 to 2.0mm	2.6 to 3.4mm	1,300 pcs. per reel	
GT5-2428/1.6-2.9SCF(70)	755-0002-1-70	#24 to 28 or equivalent				
GT5-2022/1.6-2.9SCF(70)	755-0071-4-70	#20 to 22 or equivalent				
GT5-2022/F2.7-3.5SCF(70)	755-0077-0-70	#20 to 22 or equivalent	2.0 to 2.5mm	3.3 to 3.7mm	1,100 pcs. per reel	
* GT5-2022/F3.3-3.8SCF(70)	755-0054-5-70	#20 to 22 or equivalent	2.5 to 2.9mm	3.6 to 4.0mm	1,100 pcs. per reel	
* GT5-30/F3.3-5SCF(70)	755-0016-6-70	#30 or equivalent	2.5 to 2.9mm	4.6 to 5.0mm	1,100 pcs. per reel	
* GT5-2428/F3.3-5SCF(70)	755-0012-5-70	#24 to 28 or equivalent				
* GT5-2022/F3.3-5SCF(70)	755-0034-8-70	#20 to 22 or equivalent				
* GT5-30/F4-5SCF(70)	755-0020-3-70	#30 or equivalent	3.0 to 3.6mm	4.6 to 5.0mm	1,100 pcs. per reel	
* GT5-2428/F4-5SCF(70)	755-0024-4-70	#24 to 28 or equivalent				
* GT5-2022/F4-5SCF(70)	755-0036-3-70	#20 to 22 or equivalent				

Part	Material	Finish
Insulator	PBT	Color: Dark gray
Crimp terminals	Phosphor bronze	Tin plating
Outer terminals	Brass	Tin plating

Note: Products marked with an asterisk (\*) indicate polyethylene foam insulation.

### M Connector Terminals

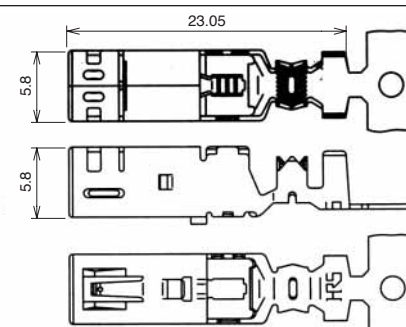
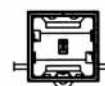


Part Number	CL No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT5-30/0.7-1.5PCF(70)	755-0017-9-70	#30 or equivalent	0.6 to 0.9mm	1.4 to 1.8mm	900 pcs. per reel	YES
GT5-30/1.6-2.9PCF(70)	755-0021-6-70	#30 or equivalent	1.5 to 2.0mm	2.6 to 3.4mm	900 pcs. per reel	
GT5-2428/1.6-2.9PCF(70)	755-0001-9-70	#24 to 28 or equivalent				
GT5-2022/1.6-2.9PCF(70)	755-0094-0-70	#20 to 22 or equivalent				
GT5-2022/F2.7-3.5PCF(70)	755-0076-8-70	#20 to 22 or equivalent	2.0 to 2.5mm	3.3 to 3.7mm	900 pcs. per reel	
* GT5-2022/F3.3-3.8PCF(70)	755-0053-2-70	#20 to 22 or equivalent	2.5 to 2.9mm	3.6 to 4.0mm	900 pcs. per reel	
* GT5-30/F3.3-5PCF(70)	755-0015-3-70	#30 or equivalent	2.5 to 2.9mm	4.6 to 5.0mm	900 pcs. per reel	
* GT5-2428/F3.3-5PCF(70)	755-0011-2-70	#24 to 28 or equivalent				
* GT5-2022/F3.3-5PCF(70)	755-0033-5-70	#20 to 22 or equivalent				
* GT5-30/F4-5PCF(70)	755-0019-4-70	#30 or equivalent	3.0 to 3.6mm	4.6 to 5.0mm	900 pcs. per reel	
* GT5-2428/F4-5PCF(70)	755-0023-1-70	#24 to 28 or equivalent				
* GT5-2022/F4-5PCF(70)	755-0035-0-70	#20 to 22 or equivalent				

Part	Material	Finish
Insulator	PBT	Color: Dark gray
Crimp terminals	Brass	Tin plating
Outer terminals	Brass	Tin plating

Note: Products marked with an asterisk (\*) indicate polyethylene foam insulation.

### Low-insertion M Connector Terminals



Part Number	HRS No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT5L-30/0.7-1.5PCF(70)	755-0068-0-70	#30 or equivalent	0.6 to 0.9mm	1.4 to 1.8mm	900 pcs. per reel	YES
GT5L-30/1.6-2.9PCF(70)	755-0067-7-70	#30 or equivalent	1.5 to 2.0mm	2.6 to 3.4mm	900 pcs. per reel	
GT5L-2428/1.6-2.9PCF(70)	755-0066-4-70	#24 to 28 or equivalent		2.6 to 3.4mm		
GT5L-2428/1.6-2.5PCF(70)	755-0079-6-70	#24 to 28 or equivalent		2.3 to 2.7mm		

Part	Material	Finish
Insulator	PBT	Color: Dark gray
Crimp terminals	Brass	Tin plating
Outer terminals	Brass	Tin plating

## GT5 Series

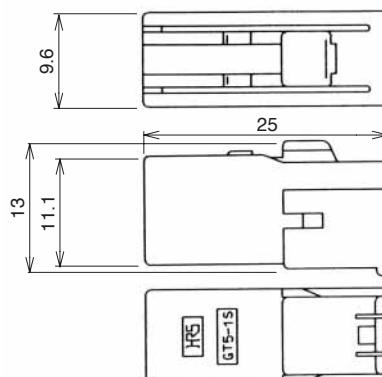
### For Single-Conductor coaxial shielded cable

#### F Connectors

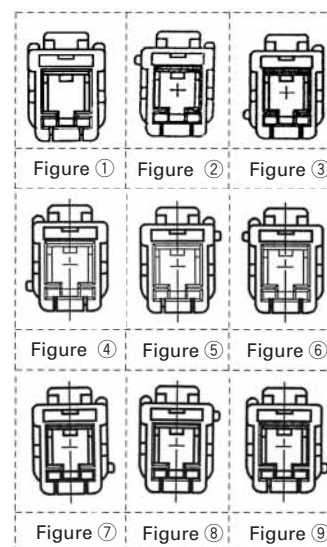
##### Housings



GT5-1S-HU

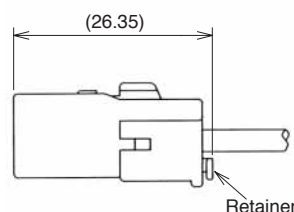


##### Keying Configurations



Part Number	CL No.	Material	Color	Key polarizing code	Corresponding M Connector Housing- In-line	Corresponding M Connector Assembly- Board Mounting	USCAR-19 Coding	RoHS
GT5-1S-HU	755-0004-7	PBT	Light gray	Figure ①	GT5-1PP-HU(70)	GT5-1P-DS(70)	—	YES
GT5-1S-HU(A)	755-0037-6		Brown	Figure ②	GT5-1PP-HU(A)(70)	GT5-1P-DS(A)(70)	A	
GT5-1S-HU(B)	755-0038-9		Green	Figure ③	GT5-1PP-HU(B)(70)	GT5-1P-DS(B)(70)	B	
GT5-1S-HU(C)	755-0080-5		Blue	Figure ④	GT5-1PP-HU(C)(70)	GT5-1P-DS(C)(70)	C	
GT5-1S-HU(D)	755-0081-8		Purple	Figure ⑤	GT5-1PP-HU(D)(70)	GT5-1P-DS(D)(70)	D	
GT5-1S-HU(E)	755-0082-0		Pink	Figure ⑥	GT5-1PP-HU(E)(70)	GT5-1P-DS(E)(70)	E	
GT5-1S-HU(I)	—		Black	Figure ⑦	GT5-1PP-HU(I)	GT5-1P-DS(I)	I	
GT5-1S-HU(J)	—		Cream white	Figure ⑧	GT5-1PP-HU(J)	GT5-1P-DS(J)	J	
GT5-1S-HU(K)	—		Pastel orange	Figure ⑨	GT5-1PP-HU(K)	GT5-1P-DS(K)	K	

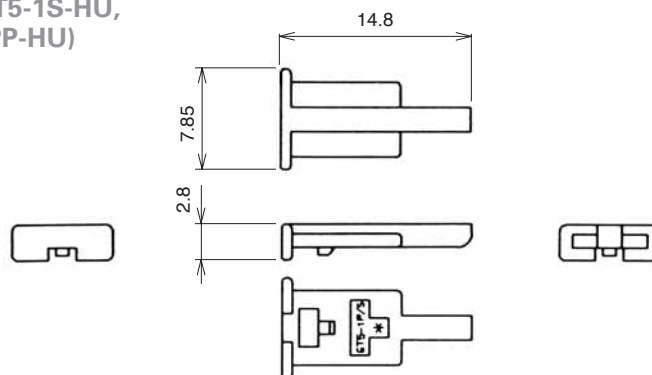
Shown with inserted retainer.



##### Retainer (-Optional-Used with the housings: GT5-1S-HU, GT5-1PP-HU, GT5N-1PP-HU, GT5H-1PP-HU)



Part Number	CL No.	Material	Color	RoHS
GT5-1P/S-R	755-0006-2	PBT	Dark gray	YES

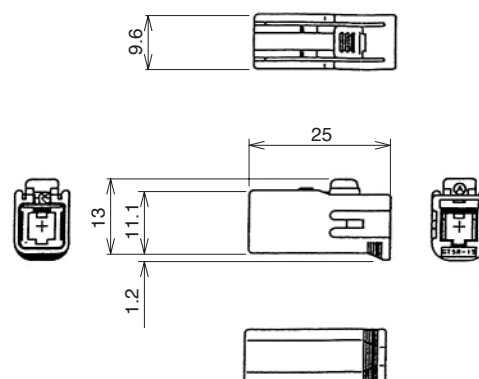


##### Housing (Not requiring use of the retainer)



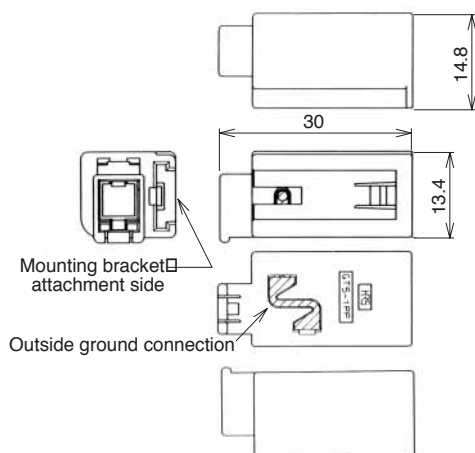
GT5R-1S/HU

Part Number	CL No.	Material	Color	RoHS
GT5R-1S-HU	755-0047-0	PBT	Light gray	YES

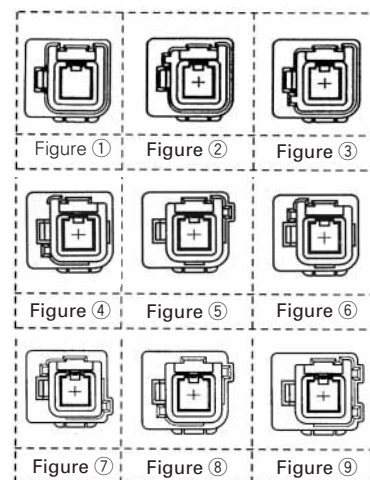


## M Connectors

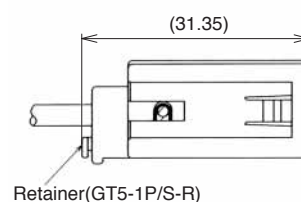
### Housings



### Keying Configurations



Shown with inserted retainer.

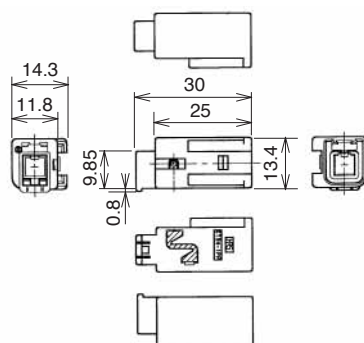


Part Number	CL No.	Corresponding F Connector Housing	Color	Key polarizing code	USCAR-19 Coding	RoHS
GT5-1PP-HU(70)	755-0005-0-70	GT5-1S-HU	Light Gray	Figure ①	—	YES
GT5-1PP-HU(A)(70)	755-0039-1-70	GT5-1S-HU(A)	Brown	Figure ②	A	
GT5-1PP-HU(B)(70)	755-0040-0-70	GT5-1S-HU(B)	Green	Figure ③	B	
GT5-1PP-HU(C)(70)	755-0103-9-70	GT5-1S-HU(C)	Blue	Figure ④	C	
GT5-1PP-HU(D)(70)	755-0104-1-70	GT5-1S-HU(D)	Purple	Figure ⑤	D	
GT5-1PP-HU(E)(70)	755-0105-4-70	GT5-1S-HU(E)	Pink	Figure ⑥	E	
GT5-1PP-HU(I)(70)	—	GT5-1S-HU(I)	Black	Figure ⑦	I	
GT5-1PP-HU(J)(70)	—	GT5-1S-HU(J)	Cream white	Figure ⑧	J	
GT5-1PP-HU(K)(70)	—	GT5-1S-HU(K)	Pastel orange	Figure ⑨	K	

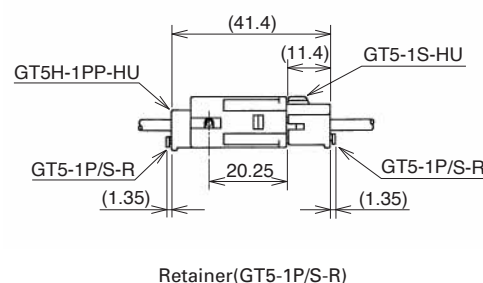
Note : Refer to pages 27 for panel mounting in-line bracket.

Part	Material	Finish
Housing	PBT	—
Ground terminal	Phosphor bronze	Tin plating

### Housings (For use with H type mounting bracket)

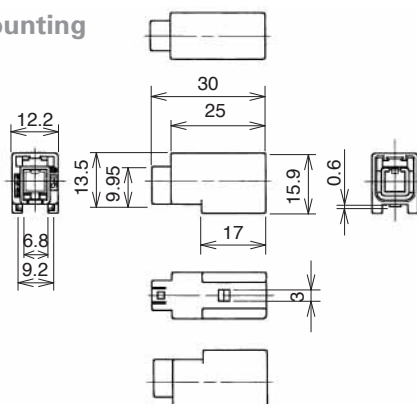


Fully mated connector assemblies.

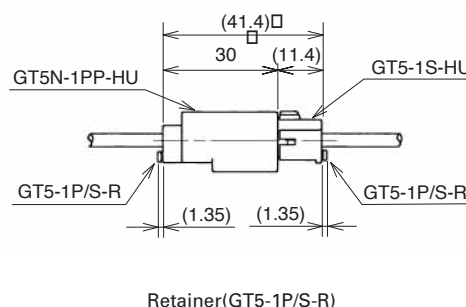


Part Number	CL No.	Color	Material	Corresponding F Connector Housing	RoHS
GT5H-1PP-HU (10)	755-0093-7 10	Light Gray	PBT	GT5-1S-HU GT5R-1S-HU	YES

### Housing (For use with N type mounting bracket)



Fully mated connector assemblies.



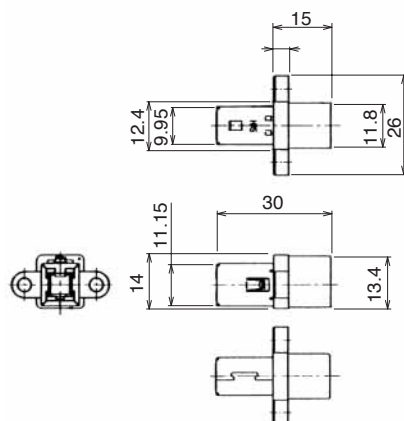
Part Number	CL No.	Color	Material	Corresponding F Connector Housing	RoHS
GT5N-1PP-HU	755-0090-9	Light Gray	PBT	GT5-1S-HU GT5R-1S-HU	YES



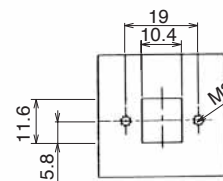
## GT5 Series

### Housings

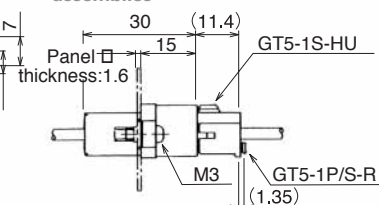
#### [ Panel mounting, enhanced ] shielding type



#### ◆Recommended Panel Cut-out



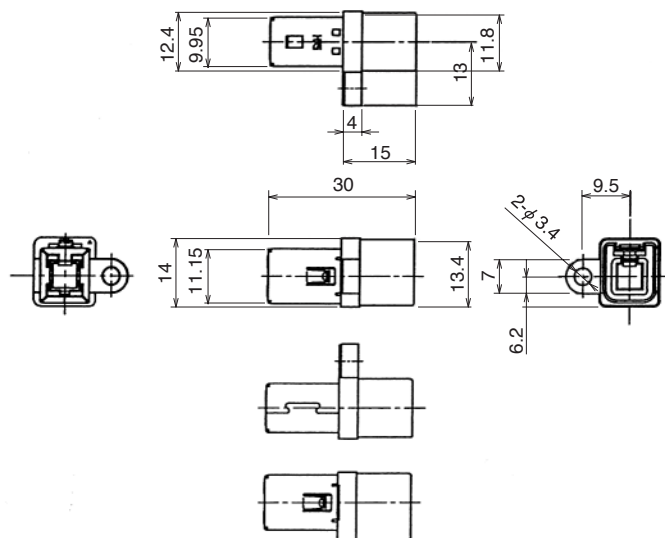
#### ◆Mounted and fully mated connector assemblies



Part Number	CL No.	Part	Material	Finish	Corresponding F Connector Housing	RoHS
GT5A-1PP-HU(70)	755-0025-7-70	Housing	PBT	Color: Light gray	GT5-1S-HU, GT5R-1S-HU	YES
		Ground terminal	Brass	Tin plating		

**Note 1:** Retainer is unnecessary.

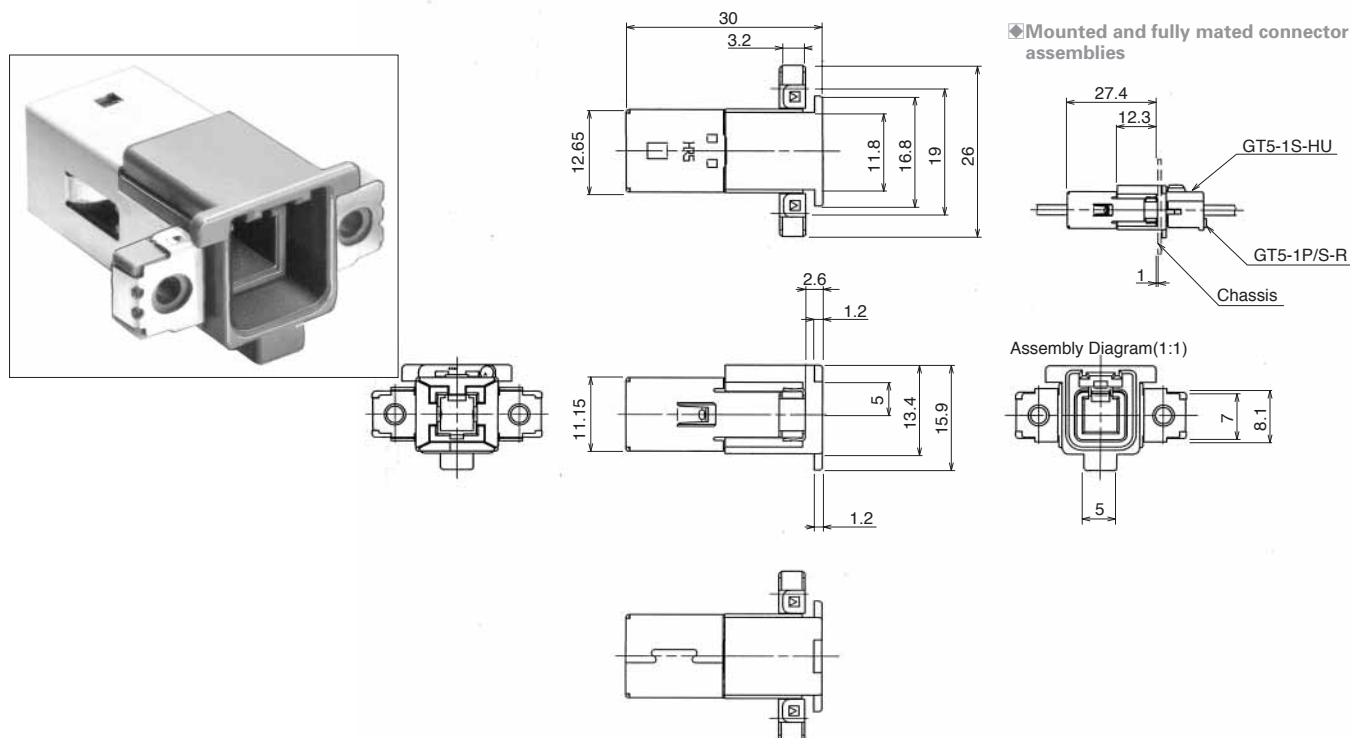
**Note 2:** Use JIS B 1111 and 1101 M3 screws for the mounting screws.



Part Number	CL No.	Part	Material	Finish	Corresponding F Connector Housing	RoHS
GT5P-1PP-HU(70)	755-0030-7-70	Housing	PBT	Color: Light gray	GT5-1S-HU, GT5R-1S-HU	YES
		Ground terminal	Brass	Tin plating		

**Note 1:** Retainer is unnecessary.

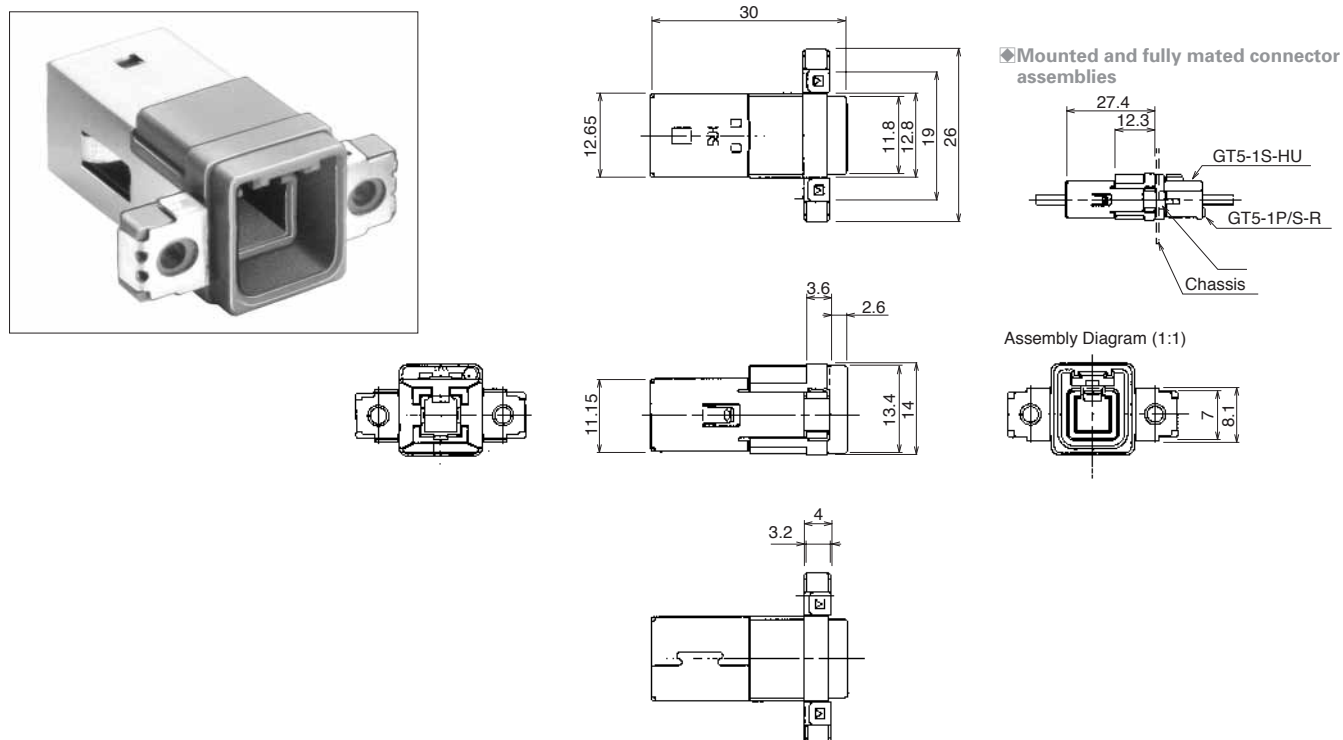
**Note 2:** Use JIS B 1111 and 1101 M3 screws for the mounting screws.



Part Number	CL No.	Part	Material	Finish	Corresponding F Connector Housing	RoHS
GT5B-1PP-HU(70)	755-0051-7-70	Housing	PBT	Color: Light gray	GT5-1S-HU, GT5R-1S-HU	YES
		Ground terminal	Copper alloy	Tin plating		

**Note 1:** Retainer is unnecessary.

**Note 2:** Use JIS B 1115 and 1122 class 4, nominal diameter 3, length 6 screws for the mounting screws.



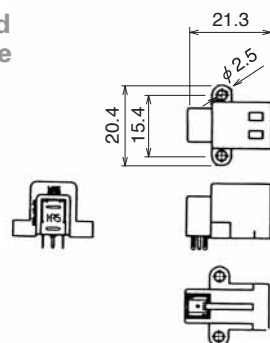
Part Number	CL No.	Part	Material	Finish	Corresponding F Connector Housing	RoHS
GT5S-1PP-HU(70)	755-0050-4-70	Housing	PBT	Color: Light gray	GT5-1S-HU, GT5R-1S-HU	YES
		Ground terminal	Copper alloy	Tin plating		

**Note 1:** Retainer is unnecessary.

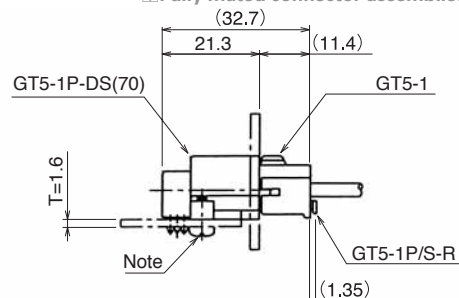
**Note 2:** Use JIS B 1115 and 1122 class 4, nominal diameter 3, length 6 screws for the mounting screws.

## GT5 Series

### ● Connector assembly, Printed Circuit Board Mounting Type



#### ◆ Fully Mated connector assemblies

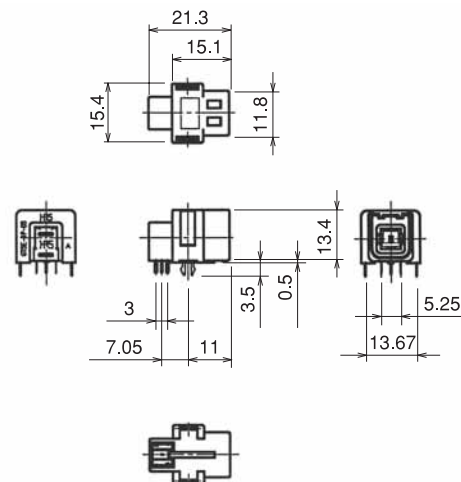


Part Number	CL No.	Color	Key polarizing code	M Connector-Board Type	Corresponding F Connector Housing	RoHS
GT5-1P-DS(70)	755-0007-5-70	Light Gray	Figure ①	GT5-1P-DS	GT5-1S-HU	YES
GT5-1P-DS(A)(70)	755-0041-3-70	Brown	Figure ②	GT5-1P-DS(A)	GT5-1S-HU(A)	
GT5-1P-DS(B)(70)	755-0042-6-70	Green	Figure ③	GT5-1P-DS(B)	GT5-1S-HU(B)	
GT5-1P-DS(C)(70)	755-0083-3-70	Blue	Figure ④	GT5-1P-DS(C)	GT5-1S-HU(C)	
GT5-1P-DS(D)(70)	755-0084-6-70	Purple	Figure ⑤	GT5-1P-DS(D)	GT5-1S-HU(D)	
GT5-1P-DS(E)(70)	755-0085-9-70	Pink	Figure ⑥	GT5-1P-DS(E)	GT5-1S-HU(E)	
GT5-1P-DS(I)(70)	—	Black	Figure ⑦	GT5-1P-DS(I)	GT5-1S-HU(I)	
GT5-1P-DS(J)(70)	—	Cream white	Figure ⑧	GT5-1P-DS(J)	GT5-1S-HU(J)	
GT5-1P-DS(K)(70)	—	Pastel orange	Figure ⑨	GT5-1P-DS(K)	GT5-1S-HU(K)	

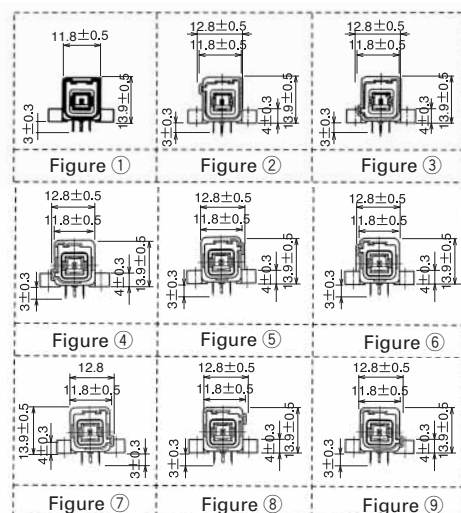
**Note:** Use JIS B 1115 and 1122 class 4, nominal diameter 3, length 6 screws (for a board thickness of 1.6 mm) for the mounting screws.

\* Eight types of keys are available.

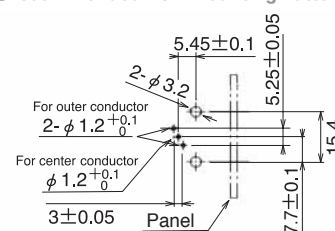
Please use a mating F connector housing of a matching key type.



Part Number	CL No.	Part	Material	Finish	Corresponding F Connector Housing	RoHS
GT5E-1P-DS(70)	755-0092-4-70	Housing	PA	Natural	GT5-1S-HU	YES
		0.64 x 1.1 Terminals	Brass	Tin plating		
		Insulator	PBT	Dark gray	GT5R-1S-HU	
		Outer terminals	Phosphor bronze	Tin plating		
		Lock pin	Brass	Tin plating		

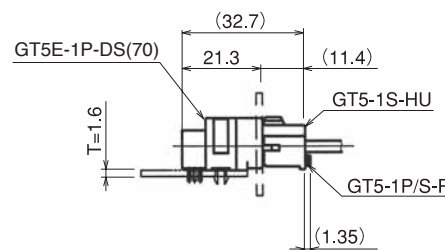


#### ◆ Recommended PCB Mounting Pattern

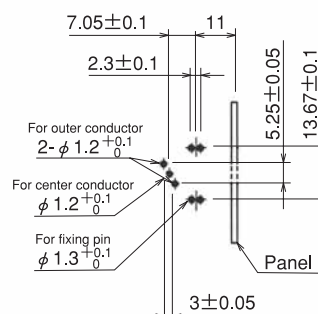


Part	Material	Finish
Housing	PBT	-
0.64 x 1.1 Terminals	Brass	Tin plating
Insulator	PBT	Dark gray
Outer terminals	Phosphor bronze	Tin plating

#### ◆ Fully Mated connector assemblies



#### ◆ Recommended PCB Mounting Pattern

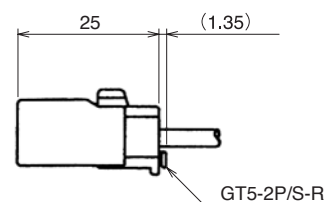
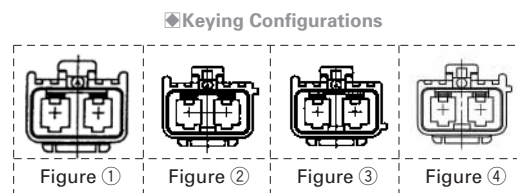
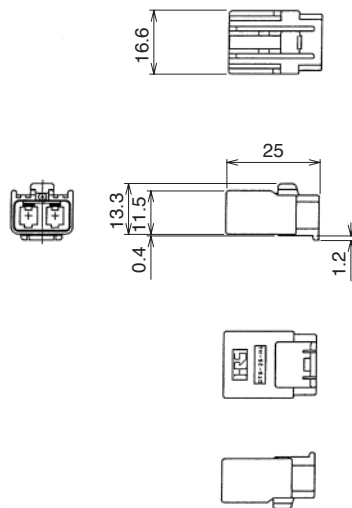




## Two-position type-Each Single-Conductor coaxial shielded cable

### F Connectors

#### Housings



Shown with inserted retainer.

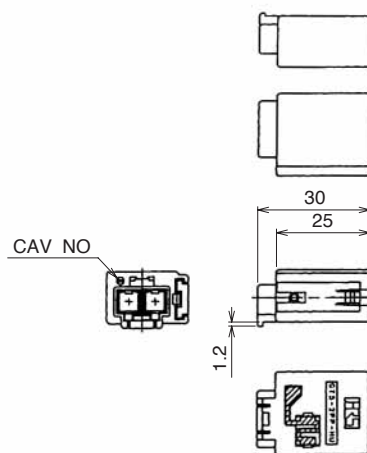
Part Number	CL No.	Material	Color	Key polarizing code	USCAR-19 Coding	RoHS
GT5-2S-HU	755-0044-1	PBT	Light Gray	Figure ①	D2	YES
GT5-2S-HU(A)	755-0059-9		Brown	Figure ②	A2	
GT5-2S-HU(B)	755-0060-8		Green	Figure ③	B2	
GT5-2S-HU(C)	755-0097-8		Blue	Figure ④	C2	
GT5-2S-HU(D)	755-0098-0		Light Gray	Figure ①		

**Note 1:** Used with separate retainer (GT5-2P/S-R).

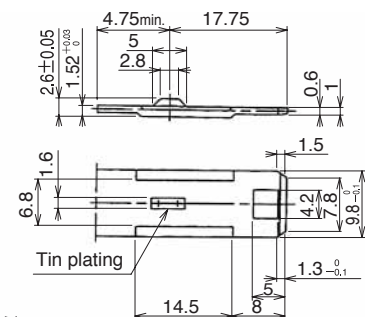
**Note 2:** Please use a mating F connector of a matching key type.

### M Connectors

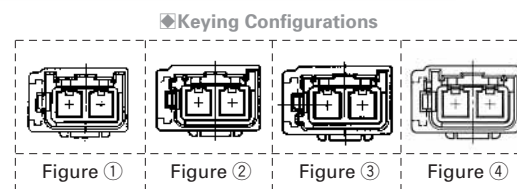
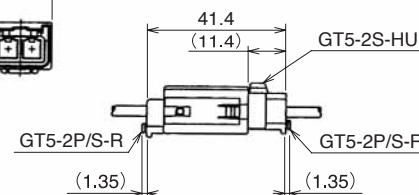
#### Housings[Panel Mounted Housing]



Recommended Mounting Bracket dimensions.



Fully mated connector assemblies



Part Number	CL No.	Color	Key polarizing code	RoHS
GT5-2PP-HU(70)	755-0045-4-70	Light Gray	Figure ①	YES
GT5-2PP-HU(A)(70)	755-0063-6-70	Brown	Figure ②	
GT5-2PP-HU(B)(70)	755-0064-9-70	Green	Figure ③	
GT5-2PP-HU(C)(70)	755-0099-3-70	Blue	Figure ④	
GT5-2PP-HU(D)(70)	—	Light Gray	Figure ①	

**Note1:** Used with separate retainer (GT5-2P/S-R).

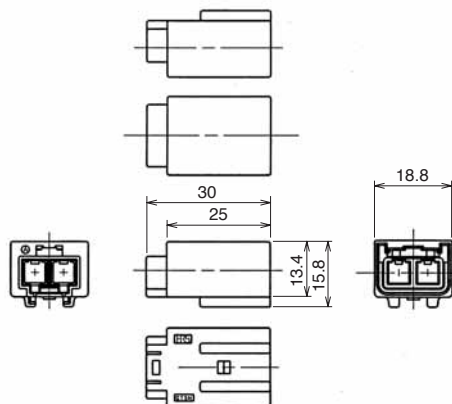
Coding D2 at USCAR-19 is GT5-2PP-HU.

**Note2:** Refer to page 27 for panel mounting in-line bracket.

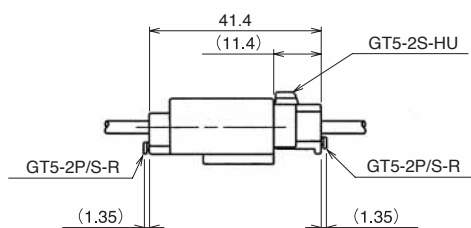
Part	Material	Finish
Housing	PBT	-
Ground terminal	Phosphor bronze	Tin plating

## GT5 Series

### ● Housing



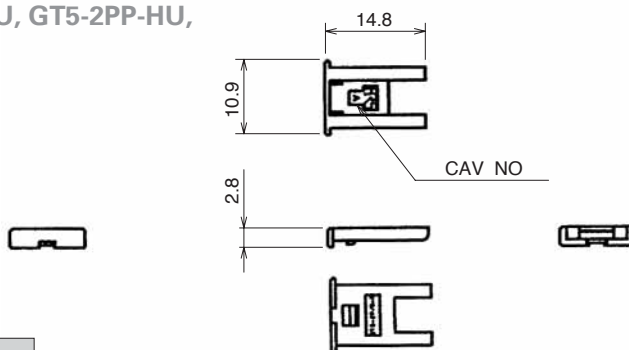
### ◆ Fully Mated connector assemblies



Part Number	CL No.	Material	Color	RoHS
GT5N-2PP-HU	755-0055-8	PBT	Light gray	YES

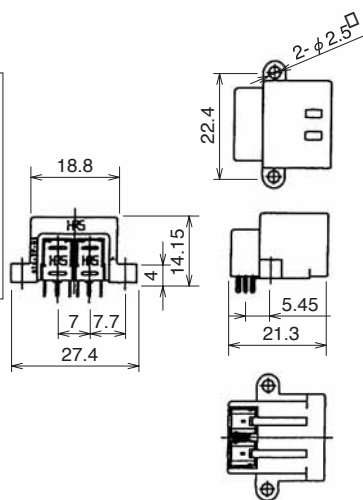
**Note** :Used with separate retainer (GT5-2P/S-R).

### ● Retainer – 2 position (Used with GT5-2S-HU, GT5-2PP-HU, and GT5N-2PP-HU)

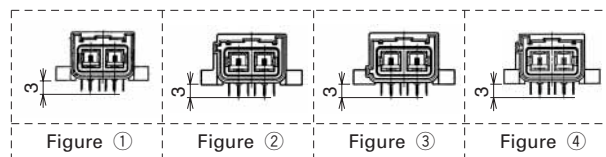


Part Number	CL No.	Material	Color	RoHS
GT5-2P/S-R	755-0046-7	PBT	Dark gray	YES

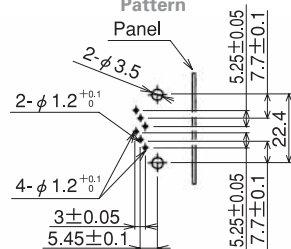
### ● Housing



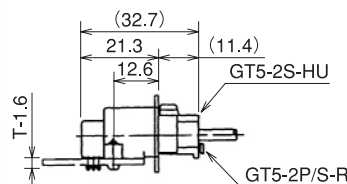
### ◆ Keying Configurations



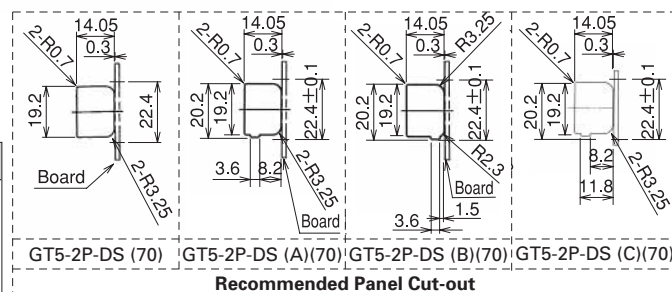
### ◆ Recommended Board Mounting Pattern



### ◆ Mounted and fully mated connector assemblies



Part Number	CL No.	Material	Color	Key polarizing code	USCAR-19 Coding	RoHS
GT5-2P-DS(70)	755-0043-9-70	PBT	Light Gray	Figure ①	D2	YES
GT5-2P-DS(A)(70)	755-0061-0-70		Brown	Figure ②	A2	
GT5-2P-DS(B)(70)	755-0062-3-70		Green	Figure ③	B2	
GT5-2P-DS(C)(70)	755-0101-3-70		Blue	Figure ④	C2	
GT5-2P-DS(D)(70)	755-0102-6-70		Light Gray	Figure ①		

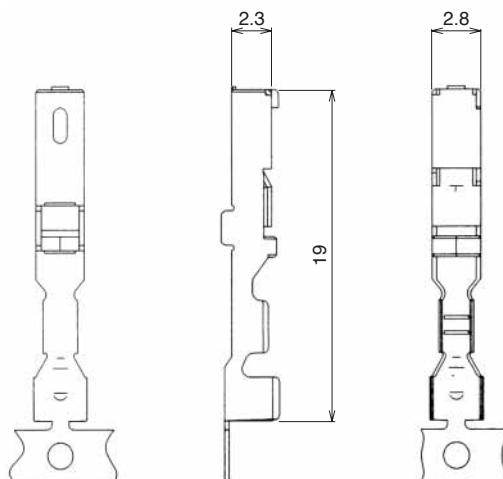


### Recommended Panel Cut-out

**Note**: Use JIS B 1115 and 1122 class 4, nominal diameter 3, length 6 screws (for a board thickness of 1.6 mm) for the mounting screws.  
Coding D2 at USCAR-19 is GT5-2P-DS.

## Power Supply Terminals

### F Connector Terminals

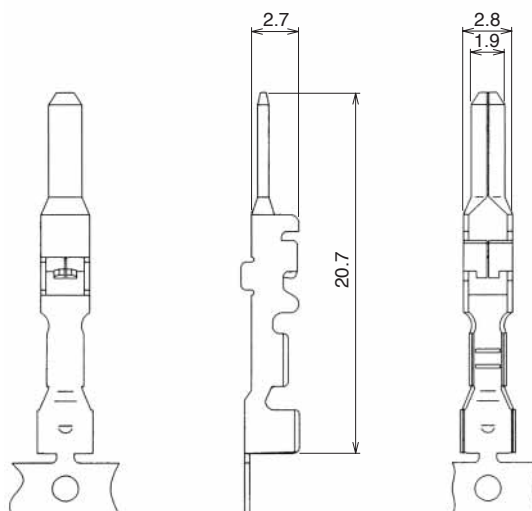
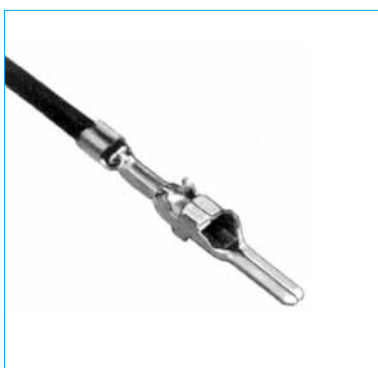


Part Number	CL No.	Material	Finish	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT7-2022SCF(70)	757-0001-1-70	Copper alloy	Tin plating	#20 to 22	1.4 to 2.4mm	5,000pcs.per reel	YES
GT7A-2022SCF(70)	757-0003-7-70			#20 to 22	2.6 to 3.1mm	3,000pcs.per reel	

**Note 1:** Sold by the reel. (See above table for number of Packaging.)

**Note 2:** This component is used only with applicable HRS housings.

### M Connector Terminals



Part Number	CL No.	Material	Finish	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT7-2022PCF(70)	757-0002-4-70	Brass	Tin plating	#20 to 22	1.4 to 2.4mm	5,000pcs.per reel	YES
GT7A-2022PCF(70)	757-0004-0-70			#20 to 22	2.6 to 3.1mm	3,000pcs.per reel	

**Note 1:** Sold by the reel. (See above table for number of Packaging.)

**Note 2:** This component is used only with applicable HRS housings.

## GT5 Series

### Combinaton Type (Two Single-Conductor Coaxial shielded Cables + One Power contact)

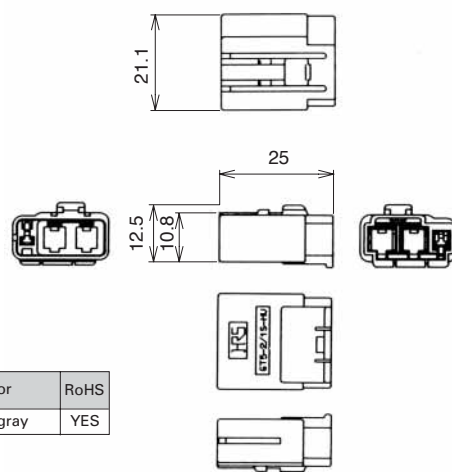
#### F Connectors

##### Housing

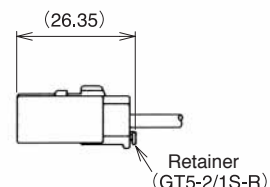


Part Number	CL No.	Material	Color	RoHS
GT5-2/1S-HU	755-0009-0	PBT	Light gray	YES

**Note :** Used with separate retainer (GT5-2/1S-R).



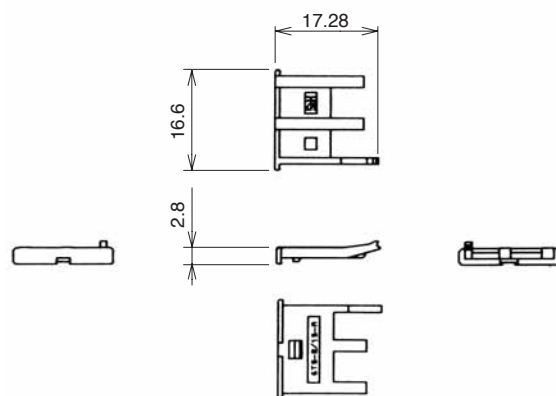
◆ Shown with inserted retainer.



##### Retainer (exclusively for GT5-2/1S-HU)

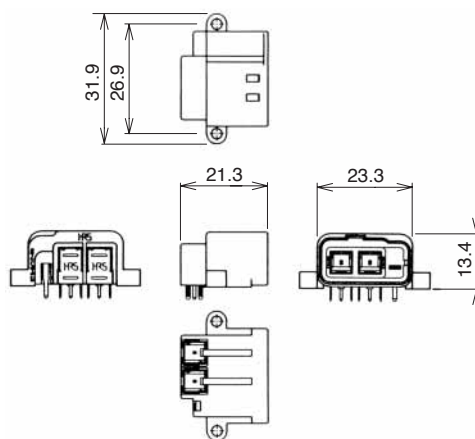


Part Number	CL No.	Material	Color	RoHS
GT5-2/1S-R	755-0003-4	PBT	Dark gray	YES

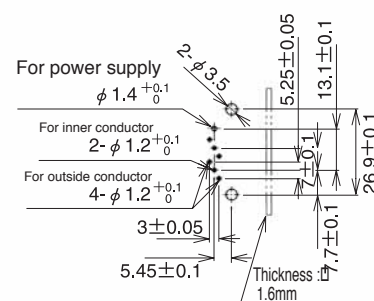


#### M Connectors

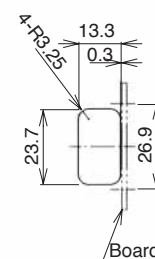
##### Connector assembly, Printed Circuit Board mounting



◆ Recommended Board Mounting Pattern



◆ Recommended Panel Cut-out



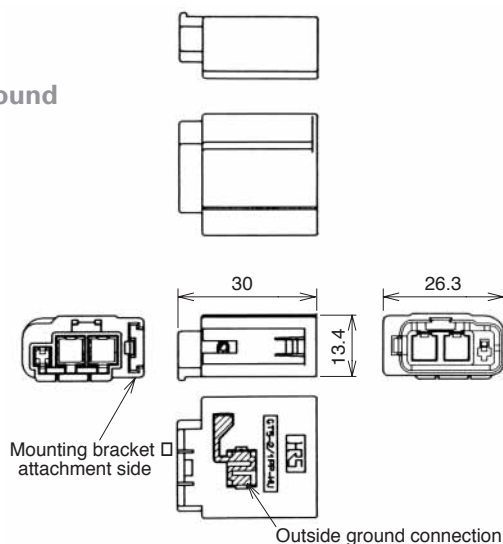
Part Number	CL No.	RoHS
GT5-2/1P-DS(70)	755-0014-0-70	YES

Part	Material	Finish
Housing	PBT	Color: Light gray
0.64x1.1 Terminal	Brass	Tin plating
Insulator	PBT	Dark gray
Outer terminal	Phosphor bronze	Tin plating
Tub terminal for DS 070	Brass	Tin plating

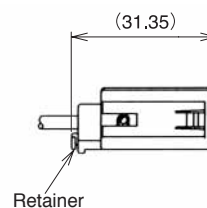
**Note:** Use JIS B 1115 and 1122 class 4, nominal diameter 3, length 6 screws (for a board thickness of 1.6 mm) for the mounting screws.

## M Connectors

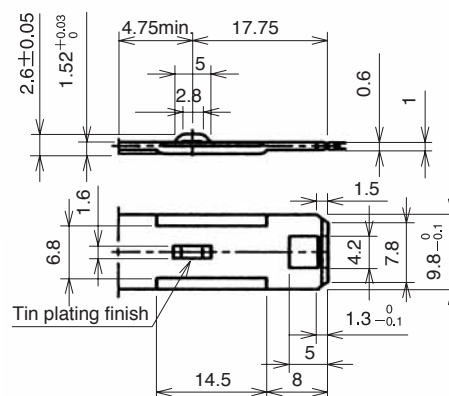
### Housing - with External Ground



Shown with inserted retainer.



Recommended Mounting Bracket Dimensions

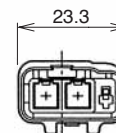
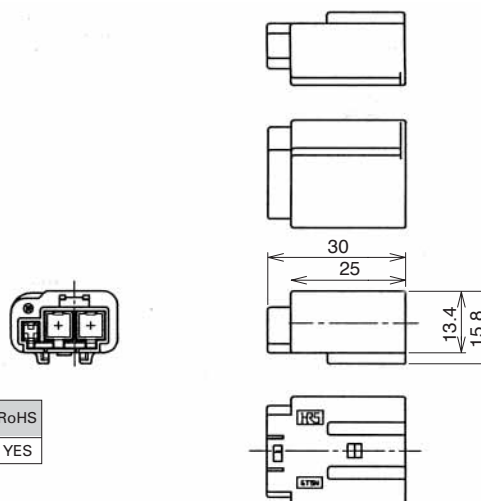


Part Number	CL No.	Part	Material	Finish	RoHS
GT5-2/1PP-HU(70)	755-0008-8-70	Housing	PBT	Color: Light gray	YES
		Ground terminal	Phosphor bronze	Tin plating	

**Note 1:** Used with separate retainer (GT5-2/1PP-R).

**Note 2:** Refer to page 27 for panel mounting in-line bracket.

### Housing - without External Ground



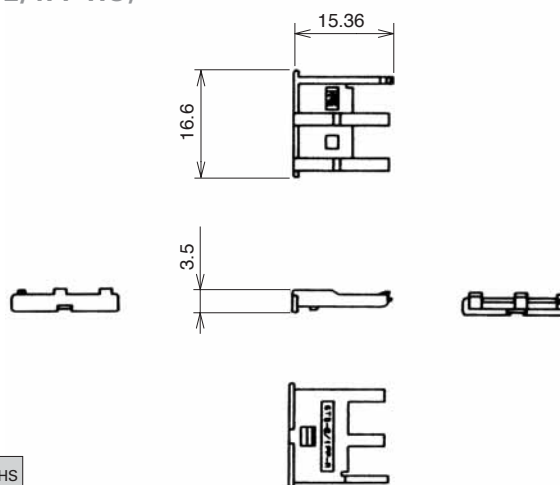
Part Number	CL No.	Material	Color	RoHS
GT5N-2/1PP-HU	755-0013-8	PBT	Light gray	YES

**Note :** Used with separate retainer GT5-2/1PP-R.

### Retainer (Used with GT5N-2/1PP-HU and GT5-2/1PP-HU)



GT5-2/1PP-R



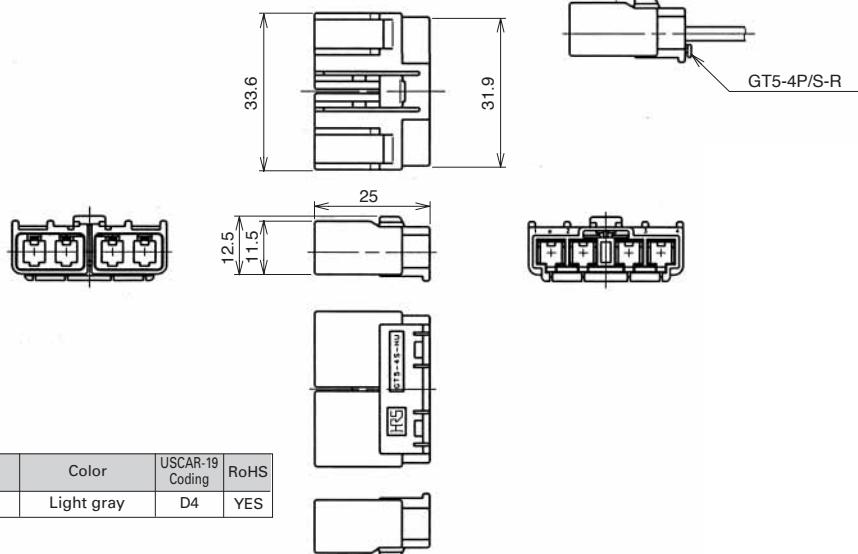
Part Number	CL No.	Material	Color	RoHS
GT5-2/1PP-R	755-0010-0	PBT	Dark gray	YES



## GT5 Series

### 4-Position – Single conductor shielded Coaxial cable

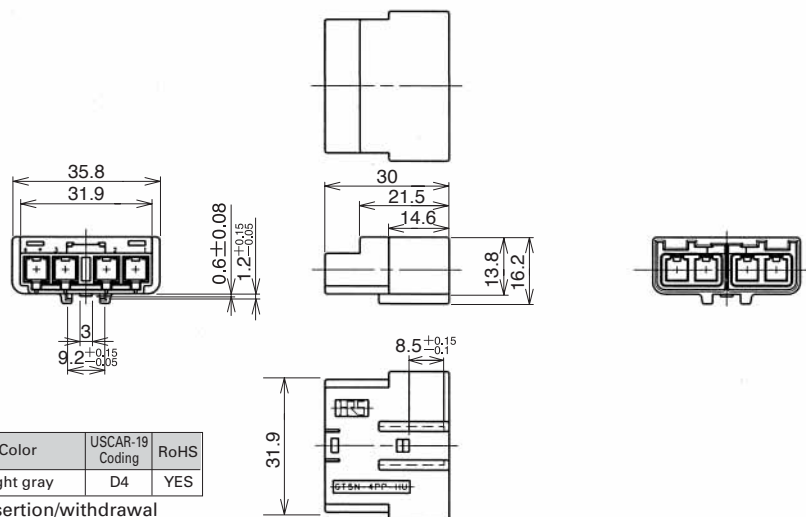
#### F Connector



Part Number	CL No.	Material	Color	USCAR-19 Coding	RoHS
GT5-4S-HU	755-0056-0	PBT	Light gray	D4	YES

**Note:** Used with separate retainer (GT5-4P/S-R).

#### M Connector

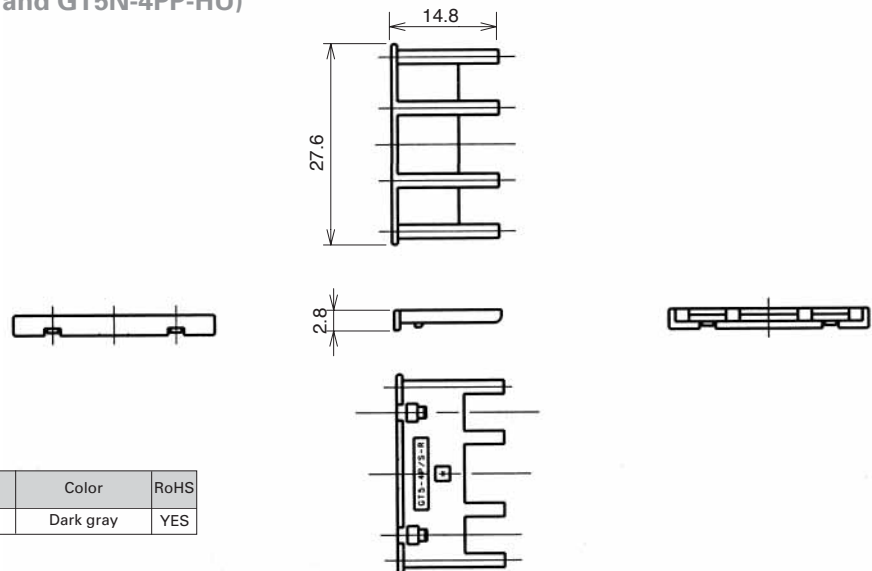


Part Number	CL No.	Material	Color	USCAR-19 Coding	RoHS
GT5N-4PP-HU	755-0057-3	PBT	Light gray	D4	YES

**Note 1:** The product should be used with a low-force insertion/withdrawal M connector terminal.

**Note 2:** Used with separate retainer GT5-4P/S-R.

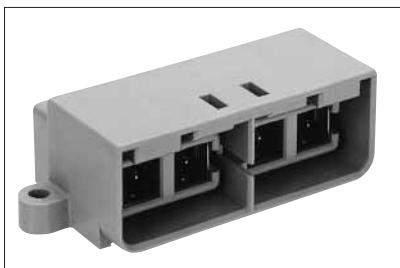
#### Retainer (Used with GT5-4S-HU and GT5N-4PP-HU)



Part Number	CL No.	Material	Color	RoHS
GT5-4P/S-R	755-0058-6	PBT	Dark gray	YES

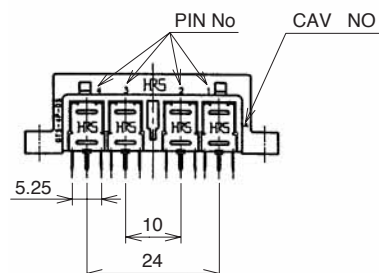
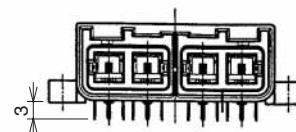
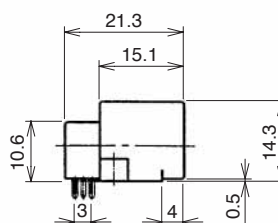
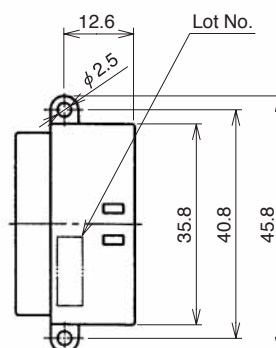
## M Connector

### Connector assembly, Printed Circuit Board Mounting

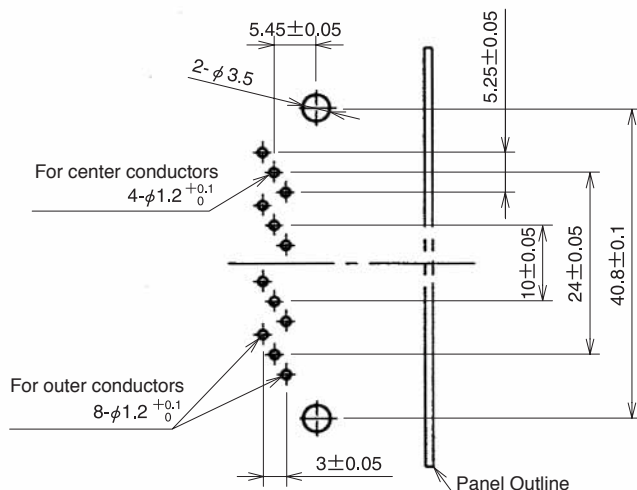


Part Number	CL No.	USCAR-19 Coding	RoHS
GT5-4P-DS(70)	755-0087-4-70	D4	YES

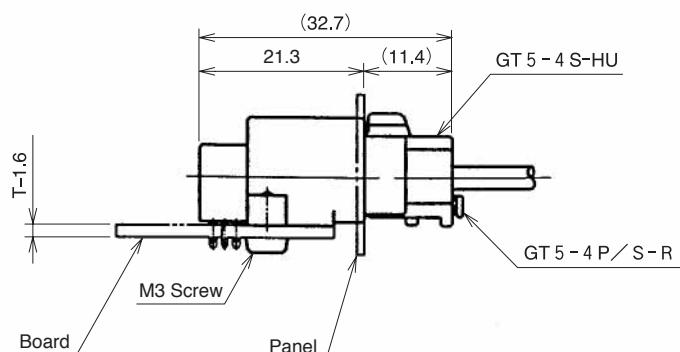
Item	Material	Color / Finish
Housing	PBT	Light gray
0.64X1.1 Terminal	Brass	Tin plating
Insulator	PBT	Dark gray
Outer terminal	Phosphor bronze	Tin plating



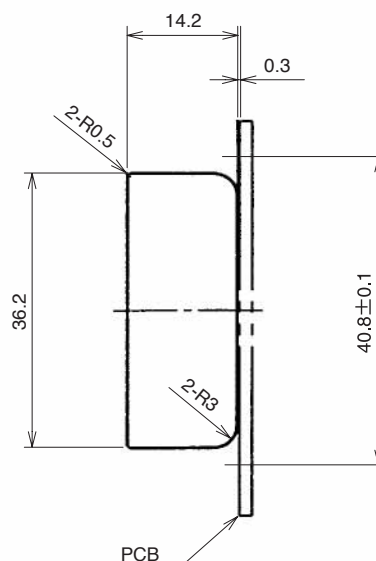
#### Recommended Board Mounting Pattern



#### Mounted and fully mated connector assemblies



#### Recommended Panel Cut-out

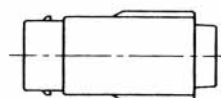
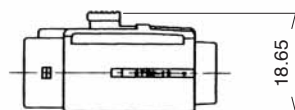
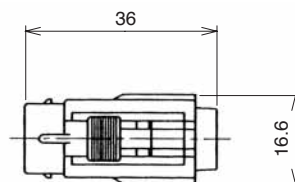


## GT5 Series

### For Single Conductor Coaxial shielded Cable - Waterproof Type

#### F Connector

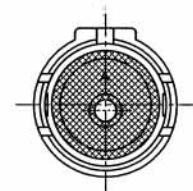
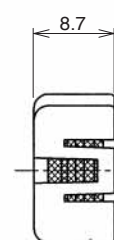
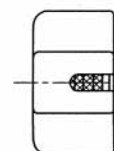
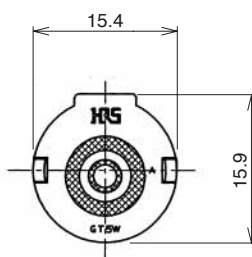
##### Housing



Part Number	CL No.	Material	Color	RoHS
GT5W-1S-HU	755-0027-2	PBT	Light gray	YES

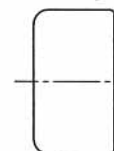
**Note:** Specific retainer is determined by the type of the cable used.

##### Retainer (Used with GT5W-1PP-HU, GT5JW-1PP-HU, GT5W-1S-HU and GT5W-1P-HU)



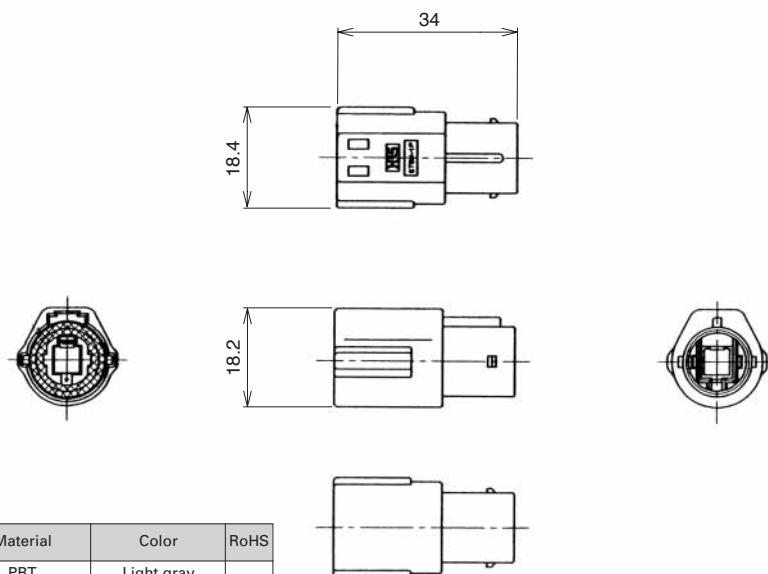
Part Number	CL No.	Material	Color	RoHS
GT5W-1P/S-R	755-0028-5	PBT	Dark gray	YES
		Silicon rubber Compound	Dark blue	

**Note:** Outer diameter of the cable must be within 2.9 to 3.4 mm. Consult nearest HRS representative for other diameters.



## M Connectors

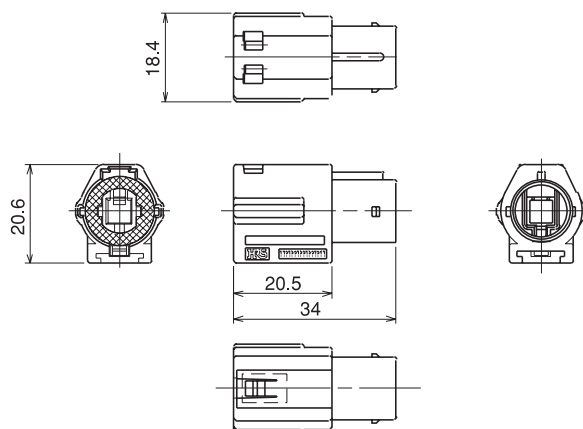
### Housing



Part Number	CL No.	Part	Material	Color	RoHS
GT5W-1P-HU	755-0026-0	Housing	PBT	Light gray	YES
		Connector seal	Silicon rubber Compound	White	

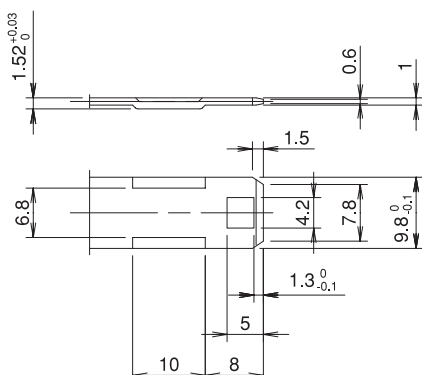
**Note:** Use correct retainer.

### Housings - Bracket Mounting

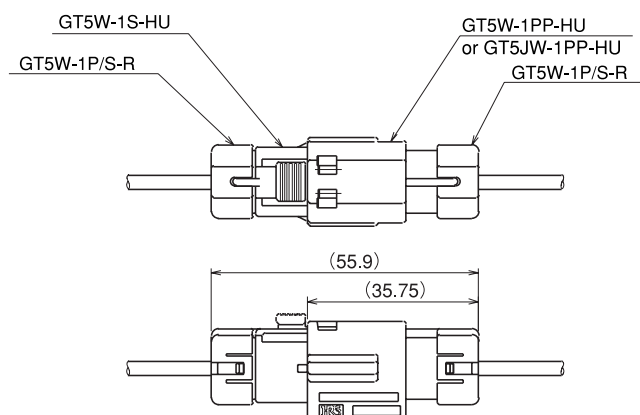


#### Recommended Bracket Dimensions Diagram(for GT5W-1PP-HU)

Please check elsewhere for information about the bracket for GT5JW-1PP-HU.



#### Mounted and fully mated connector assemblies

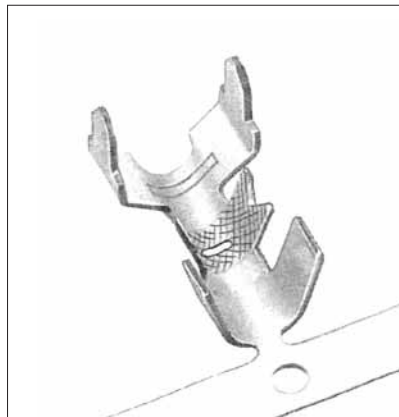


Part Number	CL No.	Part	Material	Color	RoHS
GT5W-1PP-HU	755-0070-1	Housing	PBT	Light gray	YES
GT5JW-1PP-HU	755-0069-2	Connector seal	Silicon rubber Compound	White	

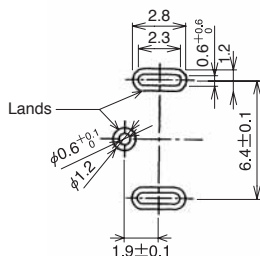
## GT5 Series

### G Terminals

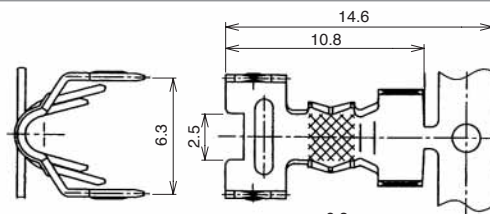
#### For Direct Coaxial Shielded Cable Termination



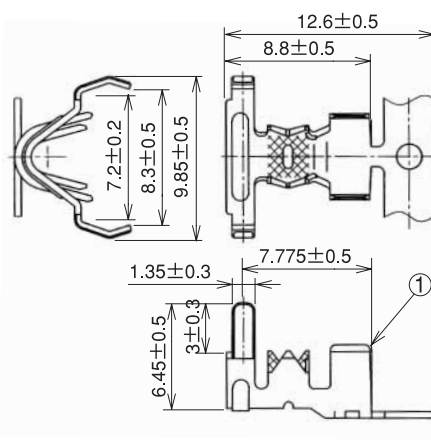
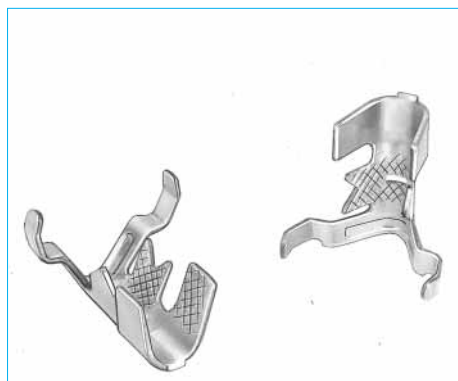
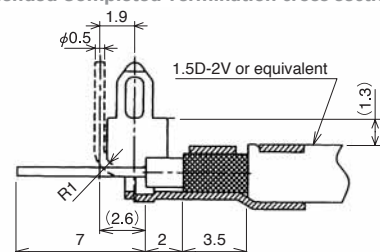
Board Termination Pattern



Part Number	CL No.	Material	Finish	Packaging	RoHS
GTA-1.6CF (70)	755-0032-2-70	Brass	Tin plating	1,500 pcs. Per reel	YES

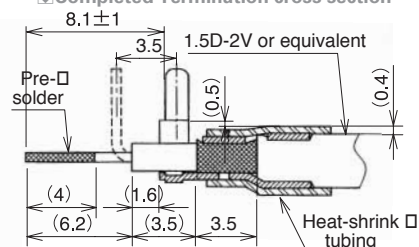


Recommended Completed Termination cross section

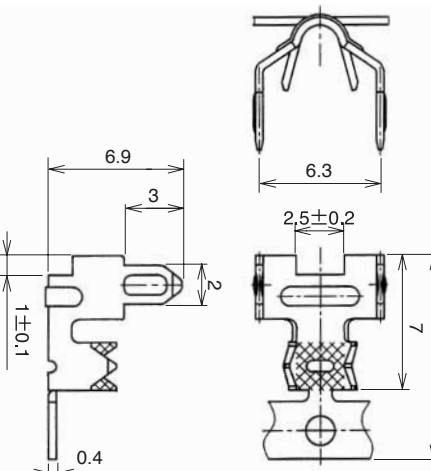
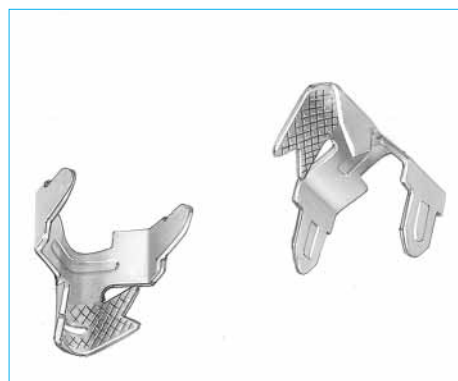
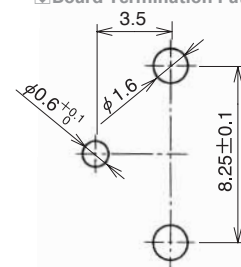


Part Number	CL No.	Material	Finish	Packaging	RoHS
GTB-1.6CF(70)	755-0049-5-70	Brass	Tin plating	1,500 pcs. Per reel	YES

Completed Termination cross section

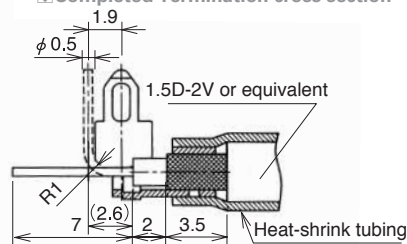


Board Termination Pattern

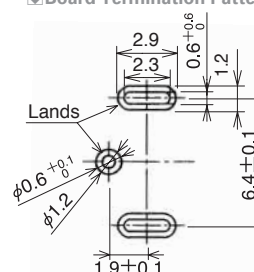


Part Number	CL No.	Material	Finish	Packaging	RoHS
G-1.6PCF(70)	755-0029-8-70	Brass	Tin plating	1,500 pcs. Per reel	YES

Completed Termination cross section

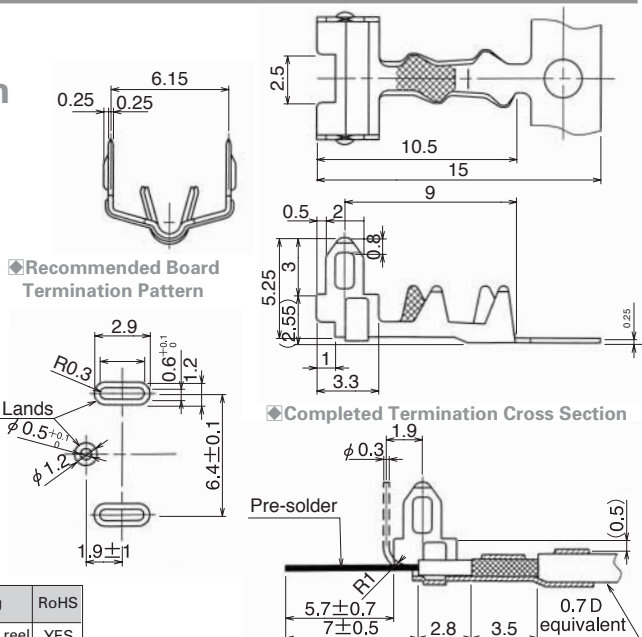
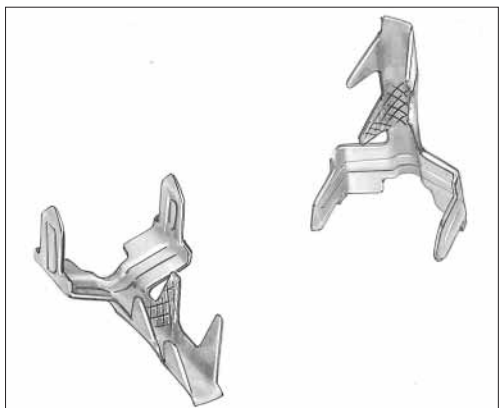


Board Termination Pattern

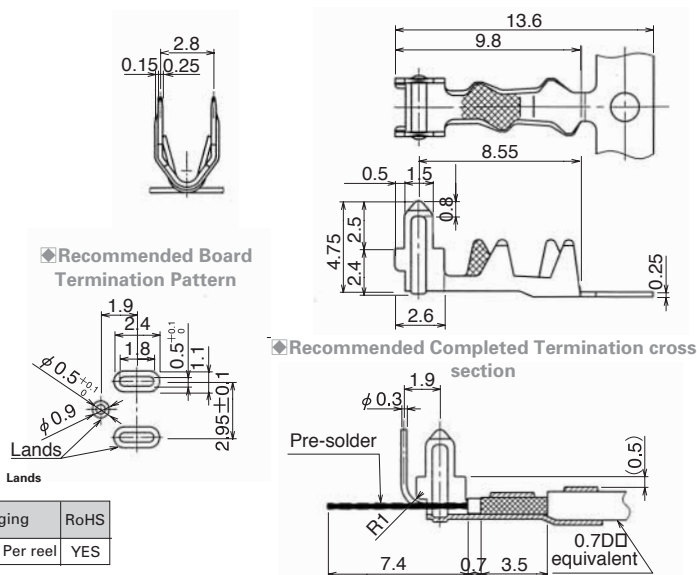




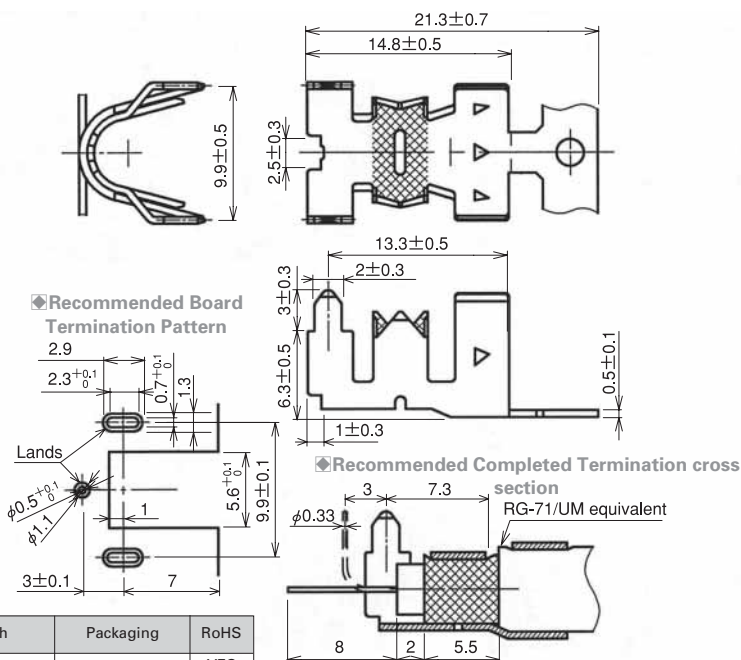
## For Direct Coaxial Cable Termination



Part Number	CL No.	Material	Finish	Packaging	RoHS
GTA-0.7CF	755-0074-2	Brass	Tin plating	1,500 pcs. Per reel	YES



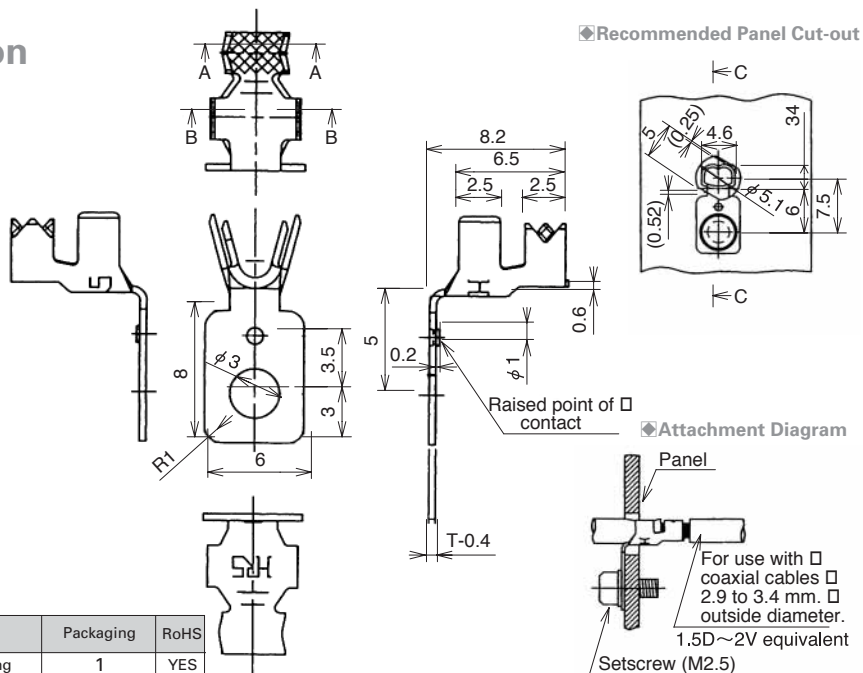
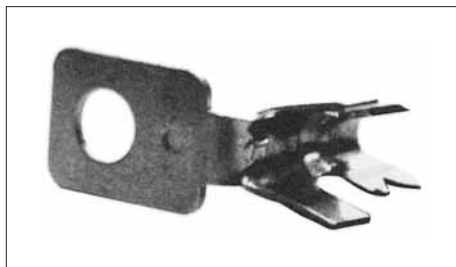
Part Number	CL No.	Material	Finish	Packaging	RoHS
GTB-0.7CF	755-0075-5	Brass	Tin plating	1,500 pcs. Per reel	YES



Part Number	CL No.	Material	Finish	Packaging	RoHS
GTE-3.7CF	755-0122-3	Brass	Tin plating	1,100 pcs. Per reel	YES

## GT5 Series

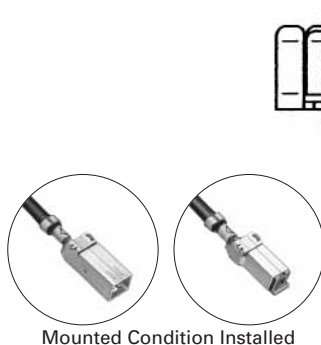
### For Mid-Cable Termination



Part Number	CL No.	Material	Finish	Packaging	RoHS
GT-1.6PG-C(70)	755-0031-0-70	Brass	Tin plating	1	YES

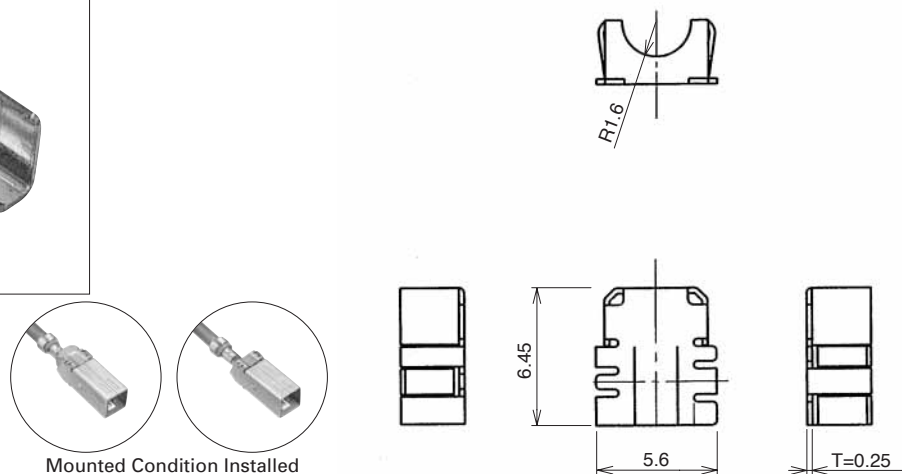
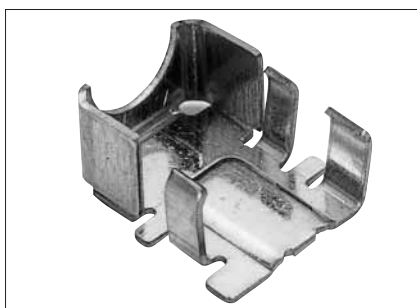
### Bottom Shield cover

#### For Improved Electronic Noise Compatibility



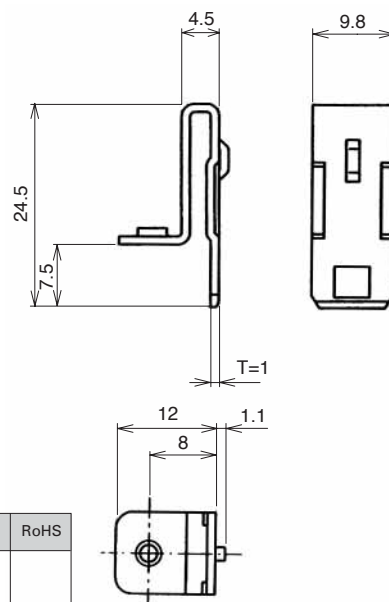
Part Number	CL No.	Material	Finish	RoHS
GT5-1P/S-CSB(70)	755-0048-2-70	Brass	Tin plating	YES

### Top Shield cover



Part Number	CL No.	Material	Finish	RoHS
GT5C-1P-CSB(70)	755-0088-7-70	Brass	Tin plating	YES

## Panel Mounting In-line Bracket



Part Number	CL No.	Material	Finish	Used with connectors	RoHS
GT-BK(70)	751-0039-6-70	SPCC	Tin plating	GT5-1PP-HU(70), GT5-1PP-HU(B)(70) GT5-1PP-HU(A)(70), GT5-1PP-HU(D)(70) GT5-1PP-HU(C)(70), GT5-1PP-HU(I)(70) GT5-1PP-HU(E)(70), GT5-1PP-HU(K)(70) GT5-1PP-HU(J)(70), GT5-2PP-HU(70) GT5-2/1PP-HU(70), GT5-2PP-HU(B)(70) GT5-2PP-HU(A)(70), GT5-2PP-HU(D)(70) GT5-2PP-HU(C)(70)	YES

## Termination Tools

User's manuals are available. Please ask your Hirose Electric account representative.

### Automatic crimping machine



Part Number CM-105

### Specifications

Item	Specification	Remarks
Specification	1.5tons	
Stroke length	30mm	
Number of strokes	200spm(50Hz)	200spm(60Hz)
Weight	75kg	
Motor	0.2kW	AC100V
Crimping speed	2000 to 4000pcs. Per hour	

\* Crimp height setting tables are available for each cable type. Please contact your nearest Hirose Electric account representative.  
Different cables will require different crimp height settings.

## GT5 Series

### ● Harnes Tool

Name of Applicable Terminal	Name of Applicable Applicator	CL No.
GT5-30/0.7-1.5PCF(70)	AP105-GT5-30/0.7-1.5P	CL901-5021-8
GT5-30/0.7-1.5SCF(70)	AP105-GT5-30/0.7-1.5S	CL901-5080-7
GT5-2428/1.1-2.2SCF	AP105-GT5-2428/1.1-2.2S-ID	CL901-5171-0
GT5-2428/1.6-2.5PCF(70)	AP105-GT5-2428/1.6-2.5P	CL901-5100-2
GT5-2428/1.6-2.5SCF(70)	AP105-GT5-2428/1.6-2.5S	CL901-5101-5
GT5-30/1.6-2.9PCF(70)	AP105-GT5-30/1.6-2.9P-ID	CL901-5019-6
	AP105-GT5-30/1.6-2.9P	CL901-5017-0
	AP105-GT5-30/1.6-2.9P-A	CL901-5040-2
GT5-30/1.6-2.9SCF(70)	AP105-GT5-30/1.6-2.9S-ID	CL901-5020-5
	AP105-GT5-30/1.6-2.9S	CL901-5018-3
GT5-2428/1.6-2.9PCF(70)	AP105-GT5-2428/1.6-2.9P	CL901-5029-0
	AP105-GT5-2428/1.6-2.9PWS	CL901-5031-1
	AP105-GT5-2428/1.6-2.9P-B	CL901-5103-0
GT5-2428/1.6-2.9SCF(70)	AP105-GT5-2428/1.6-2.9S	CL901-5030-9
	AP105-GT5-2428/1.6-2.9SWS	CL901-5032-4
	AP105-GT5-2428/1.6-2.9S-B	CL901-5104-3
GT5-2022/1.6-2.9SCF(70)	AP105-GT5-2022/1.6-2.9S	CL901-5088-9
GT5-2022/F2.7-3.5PCF(70)	AP105-GT5-2022/F2.7-3.5P	CL901-5091-3
GT5-2022/F2.7-3.5SCF(70)	AP105-GT5-2022/F2.7-3.5S	CL901-5092-6
GT5-2022/F3.3-3.8PCF(70)	AP105-GT5-2022/F3.3-3.8P	CL901-5075-7
GT5-2022/F3.3-3.8SCF(70)	AP105-GT5-2022/F3.3-3.8S	CL901-5076-0
GT5-2428/F3.3-5PCF(70)	AP105-GT5-2428/F3.3-5P-ID	CL901-5037-8
GT5-2428/F3.3-5SCF(70)	AP105-GT5-2428/F3.3-5S-ID	CL901-5038-0
GT5-2022/F3.3-5PCF(70)	AP105-GT5-2022/F3.3-5P-ID	CL901-5058-8
	AP105-GT5-2022/F3.3-5P	CL901-5059-0
	AP105-GT5-2022/F3.3-5P2.2D-ID	CL901-5070-3
GT5-2022/F3.3-5SCF(70)	AP105-GT5-2022/F3.3-5S-ID	CL901-5060-0
	AP105-GT5-2022/F3.3-5S	CL901-5061-2
	AP105-GT5-2022/F3.3-5S2.2D-ID	CL901-5071-6
GT5-30/F4-5PCF(70)	AP105-GT5-30/F4-5P-ID	CL901-5033-7
GT5-30/F4-5SCF(70)	AP105-GT5-30/F4-5S-ID	CL901-5034-0
GT5-2428/F4-5PCF(70)	AP105-GT5-2428/F4-5P-ID	CL901-5035-2
	AP105-GT5-2428/F4-5P-3C2V	CL901-5056-2
GT5-2428/F4-5SCF(70)	AP105-GT5-2428/F4-5S-ID	CL901-5036-5
	AP105-GT5-2428/F4-5S-3C2V	CL901-5057-5
GT5-2022/F4-5PCF(70)	AP105-GT5-2022/F4-5P-ID	CL901-5054-7
	AP105-GT5-2022/F4-5P	CL901-5052-1
	AP105-GT5-2022/F4-5P-18ID	CL901-5121-2
	AP105-GT5-2022/F4-5P-RG58	CL901-5105-6
GT5-2022/F4-5SCF(70)	AP105-GT5-2022/F4-5S-ID	CL901-5055-0
	AP105-GT5-2022/F4-5S	CL901-5053-4
	AP105-GT5-2022/F4-5S-18ID	CL901-5102-8
	AP105-GT5-2022/F4-5S-RG58	CL901-5106-9
G-1.6PCF(70)	AP105-G-1.6P	CL901-5041-5
GTA-0.7CF	AP105-GTA · B-0.7P	
GTB-0.7CF	AP105-GTA · B-0.7P	
GTA-1.6CF(70)	AP105-GTA · B-1.6P	CL901-5047-1
GTB-1.6CF(70)	AP105-GTA · B-1.6P	CL901-5047-1

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