

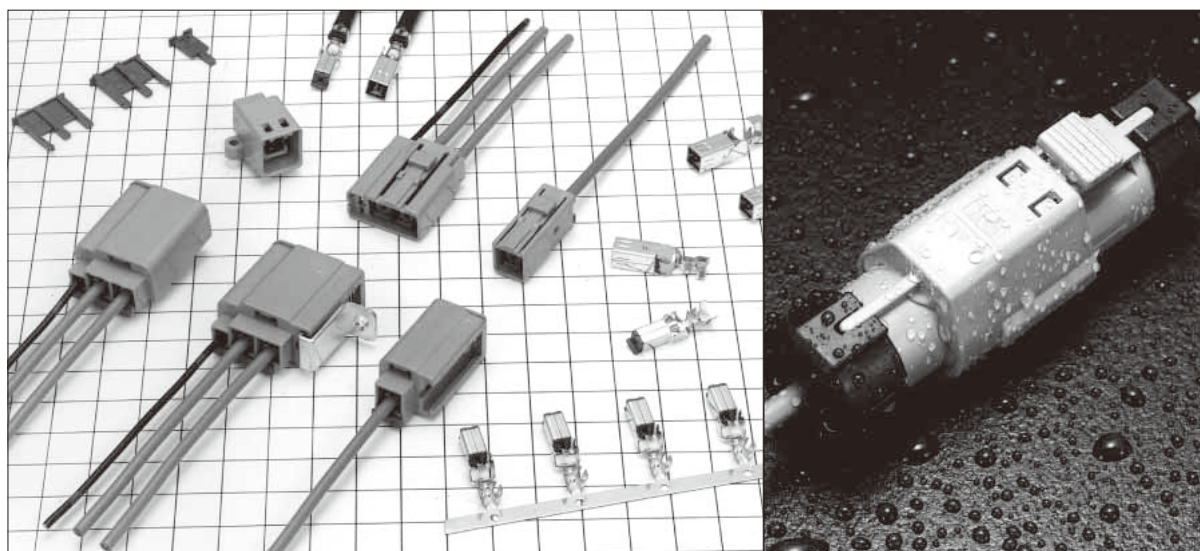
**Patented**

**In-vehicle shielding connector with twin crimp technology**

# GT5 Series

— Connectors for coaxial cables —

<In-line, board mounted, combinations of coaxial cable with signal/power,  
Waterproof type.>



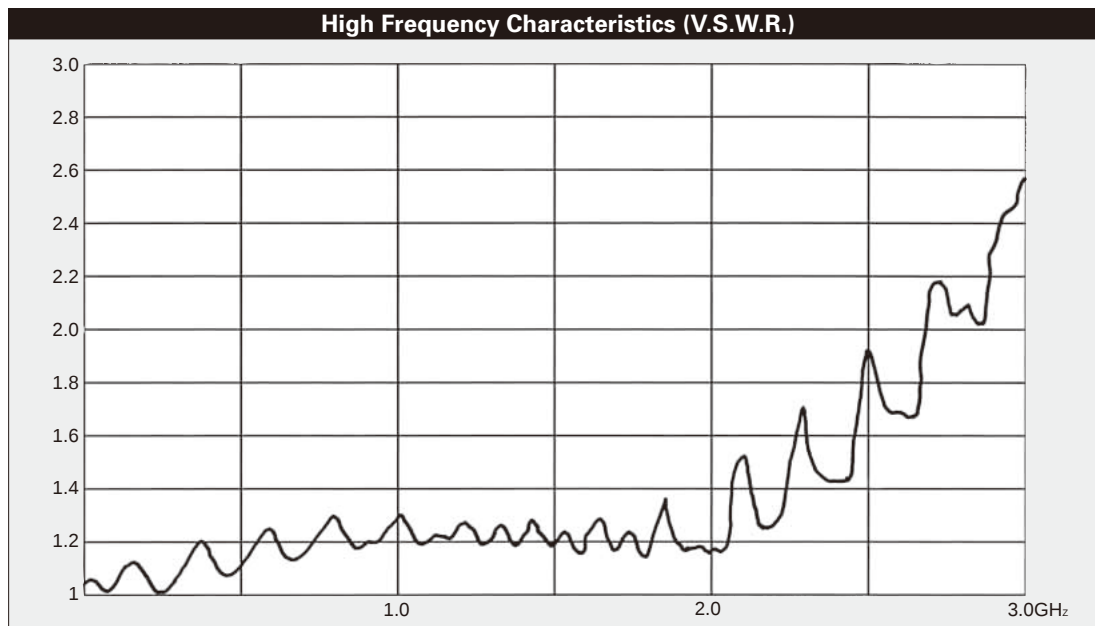
## ■ Features

- **USCAR specified connector as SAE/USCAR-19**
- **Low cost cable assembly**  
Highly efficient and reliable one step crimp termination "Twin Crimp™" allows high volume production with semi-automatic equipment.
- **Space-saving design**
- **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.

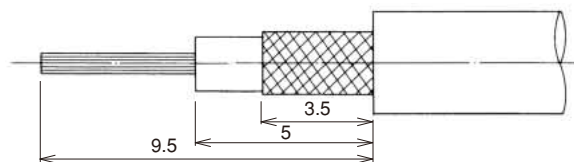
## ◆ Test Data (Using 1.5D-2V Type cable)



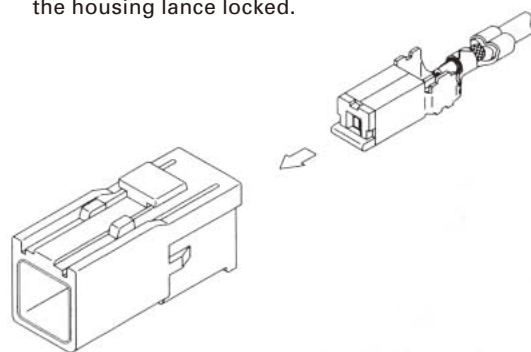
Note : Typical data using fully assembled and connected GT5-1S-HU and the GT5-1PP-HU.

## ◆ Termination sequence

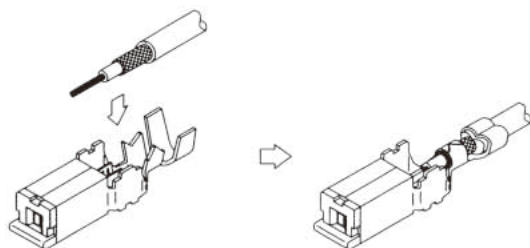
1. Strip the cable



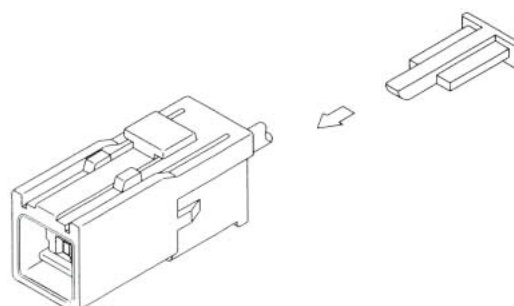
3. Insert the terminal in the housing until fully locked. Push in the terminal with cable in the housing until the housing lance locked.



2. Crimp the cable to the terminal.

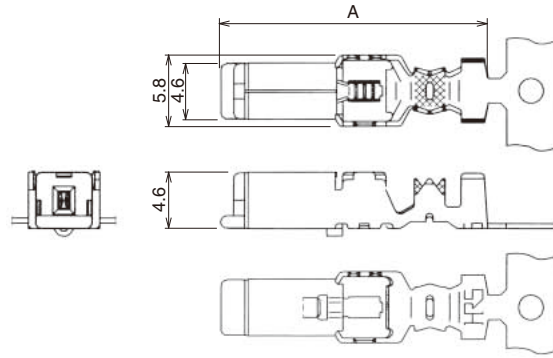


4. Fully insert the retainer. Push in the retainer until locked.



## Terminals for coaxial cable

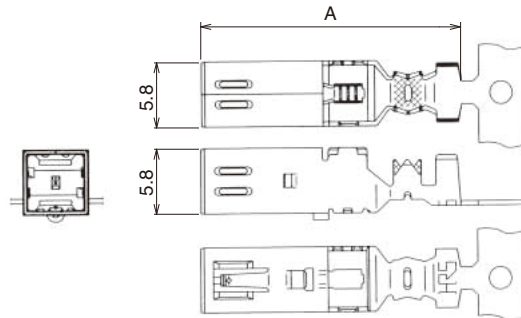
### F Connector Terminals



| Part No.                 | HRS No.       | Material／Plating or Color                                                                                            | Conductor Size (AWG) | Inner Insulation Diameter | Outer Diameter | A            | Packaging      | RoHS |
|--------------------------|---------------|----------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------|----------------|--------------|----------------|------|
| GT5-30/0.7-1.5SCF(70)    | 755-0065-1 70 | Insulator : PBT／Dark Gray<br>Center terminal : Phosphor bronze／<br>Tin plating<br>Outer terminal : Brass／Tin plating | 30 AWG               | φ0.6 to 0.9               | φ1.4 to 1.8    | 22.7         | 1,300 pcs/reel | YES  |
| GT5-2428/1.1-2.2SCF      | 755-0123-6    |                                                                                                                      | 24 to 28 AWG         | φ1.0 to 1.4               | φ2.0 to 2.4    | 21.7         |                |      |
| GT5-2428/1.6-2.5SCF(70)  | 755-0078-3 70 |                                                                                                                      |                      |                           |                |              |                |      |
| GT5-30/1.6-2.9SCF(70)    | 755-0022-9 70 |                                                                                                                      | 30 AWG               | φ1.5 to 2.0               | φ2.6 to 3.4    |              |                |      |
| GT5-2428/1.6-2.9SCF(70)  | 755-0002-1 70 |                                                                                                                      |                      |                           |                |              |                |      |
| GT5-2022/1.6-2.9SCF(70)  | 755-0071-4 70 |                                                                                                                      | 20 to 22 AWG         | φ2.0 to 2.5               | φ3.3 to 3.7    |              | 22.7           |      |
| GT5-2022/F2.7-3.5SCF(70) | 755-0077-0 70 |                                                                                                                      |                      |                           |                | φ3.6 to 4.0  |                |      |
| GT5-2022/F3.3-3.8SCF(70) | 755-0054-5 70 |                                                                                                                      | 30 AWG               | φ2.5 to 2.9               | φ4.6 to 5.0    |              |                |      |
| GT5-30/F3.3-5SCF(70)     | 755-0016-6 70 |                                                                                                                      |                      |                           |                | 24 to 28 AWG |                |      |
| GT5-2428/F3.3-5SCF(70)   | 755-0012-5 70 |                                                                                                                      | 20 to 22 AWG         |                           |                |              |                |      |
| GT5-2022/F3.3-5SCF(70)   | 755-0034-8 70 |                                                                                                                      |                      |                           |                | 30 AWG       |                |      |
| GT5-30/F4-5SCF(70)       | 755-0020-3 70 |                                                                                                                      | 24 to 28 AWG         |                           |                |              |                |      |
| GT5-2428/F4-5SCF(70)     | 755-0024-4 70 |                                                                                                                      |                      | 20 to 22 AWG              |                |              |                |      |
| GT5-2022/F4-5SCF(70)     | 755-0036-3 70 |                                                                                                                      |                      |                           |                |              |                |      |

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

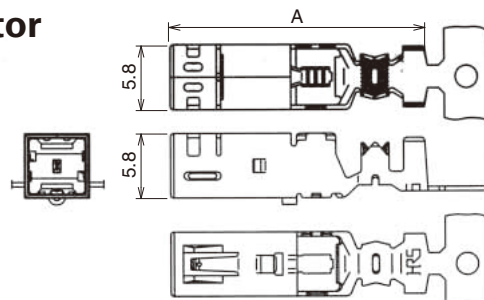
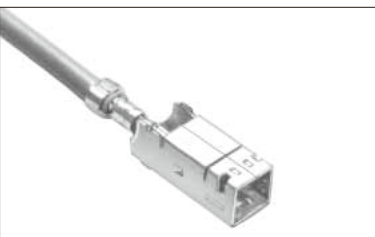
### Terminals for M Connector



| Part No.                 | HRS No.       | Material／Plating or Color                                                                              | Conductor Size (AWG) | Inner Insulation Diameter | Outer Diameter | A     | Packaging    | RoHS |
|--------------------------|---------------|--------------------------------------------------------------------------------------------------------|----------------------|---------------------------|----------------|-------|--------------|------|
| GT5-30/0.7-1.5PCF(70)    | 755-0017-9 70 | Insulator : PBT／Dark Gray<br>Center terminal : Brass／Tin plating<br>Outer terminal : Brass／Tin plating | 30 AWG               | φ0.6 to 0.9               | φ1.4 to 1.8    | 24.05 | 900 pcs/reel | YES  |
| GT5-30/1.6-2.9PCF(70)    | 755-0021-6 70 |                                                                                                        | 24 to 28 AWG         | φ1.5 to 2.0               | φ2.6 to 3.4    | 23.05 |              |      |
| GT5-2428/1.6-2.9PCF(70)  | 755-0001-9 70 |                                                                                                        | 20 to 22 AWG         | φ2.0 to 2.5               | φ3.3 to 3.7    | 24.05 |              |      |
| GT5-2022/1.6-2.9PCF(70)  | 755-0094-0 70 |                                                                                                        |                      |                           |                |       |              |      |
| GT5-2022/F2.7-3.5PCF(70) | 755-0076-8 70 |                                                                                                        | 30 AWG               | φ2.5 to 2.9               | φ4.6 to 5.0    |       |              |      |
| GT5-2022/F3.3-3.8PCF(70) | 755-0053-2 70 |                                                                                                        | 24 to 28 AWG         |                           |                |       |              |      |
| GT5-30/F3.3-5PCF(70)     | 755-0015-3 70 |                                                                                                        | 20 to 22 AWG         |                           |                |       |              |      |
| GT5-2428/F3.3-5PCF(70)   | 755-0011-2 70 |                                                                                                        | 30 AWG               |                           |                |       |              |      |
| GT5-2022/F3.3-5PCF(70)   | 755-0033-5 70 |                                                                                                        | 24 to 28 AWG         | φ3.0 to 3.6               |                |       |              |      |
| GT5-30/F4-5PCF(70)       | 755-0019-4 70 |                                                                                                        | 20 to 22 AWG         |                           |                |       |              |      |
| GT5-2428/F4-5PCF(70)     | 755-0023-1 70 |                                                                                                        |                      |                           |                |       |              |      |
| GT5-2022/F4-5PCF(70)     | 755-0035-0 70 |                                                                                                        |                      |                           |                |       |              |      |

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

### Terminals for Low-insertion M Connector



| Part No.                 | HRS No.       | Material／Plating or Color                                                                              | Conductor Size (AWG) | Inner Insulation Diameter | Outer Diameter | A     | Packaging    | RoHS |
|--------------------------|---------------|--------------------------------------------------------------------------------------------------------|----------------------|---------------------------|----------------|-------|--------------|------|
| GT5L-30/0.7-1.5PCF(70)   | 755-0068-0 70 | Insulator : PBT／Dark Gray<br>Center terminal : Brass／Tin plating<br>Outer terminal : Brass／Tin plating | 30 AWG               | φ0.6 to 0.9               | φ1.4 to 1.8    | 24.05 | 900 pcs/reel | YES  |
| GT5L-2428/1.6-2.5PCF(70) | 755-0079-6 70 |                                                                                                        | 24 to 28 AWG         | φ1.5 to 2.0               | φ2.3 to 2.7    | 23.05 |              |      |
| GT5L-30/1.6-2.9PCF(70)   | 755-0067-7 70 |                                                                                                        | 30 AWG               |                           | φ2.6 to 3.4    |       |              |      |
| GT5L-2428/1.6-2.9PCF(70) | 755-0066-4 70 |                                                                                                        | 24 to 28 AWG         |                           |                |       |              |      |

GT5

GT13

GT16

PO5G

GT19

GT21

GT26

GT36

GT11

GT17

GT32

GT3

GT7

GT10

GT18W

GT25

GT8E

GT9

GT15

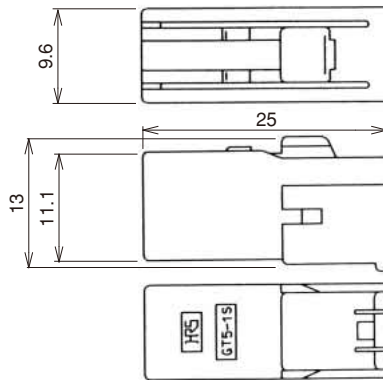
## 1 Pos. for coaxial cable

### F Connectors

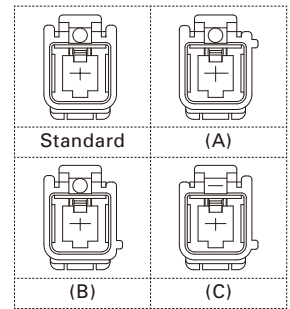
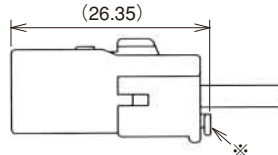
#### ● Housings



GT5-1S-HU



◆Shown with inserted retainer.



\*Used with separate retainer (GT5-1P/S-R), which is sold separately.

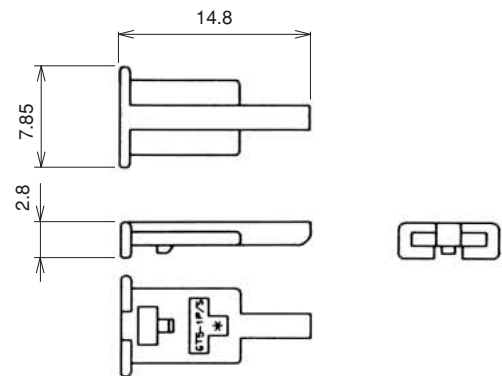
| Part No.     | HRS No.    | Material | Color      | Key polarizing code | Corresponding M Connector Housing- In-line | Corresponding M Connector Assembly- Board Mounting | Packaging | RoHS |
|--------------|------------|----------|------------|---------------------|--------------------------------------------|----------------------------------------------------|-----------|------|
| GT5-1S-HU    | 755-0004-7 | PBT      | Light Gray | Standard            | GT5-1PP-HU(70)                             | GT5-1P-DS(70)                                      | 1         | YES  |
| GT5-1S-HU(A) | 755-0037-6 |          | Brown      | (A)                 | GT5-1PP-HU(A)(70)                          | GT5-1P-DS(A)(70)                                   |           |      |
| GT5-1S-HU(B) | 755-0038-9 |          | Green      | (B)                 | GT5-1PP-HU(B)(70)                          | GT5-1P-DS(B)(70)                                   |           |      |
| GT5-1S-HU(C) | 755-0080-5 |          | Blue       | (C)                 | GT5-1PP-HU(C)(70)                          | GT5-1P-DS(C)(70)                                   |           |      |

\*Mating Table(M Connectors) Please use a matching key tipe.

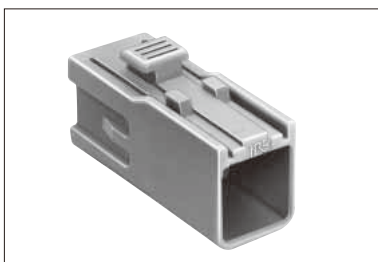
#### ● Retainer (Used with : GT5-1S-HU, GT5-1PP-HU, GT5N-1PP-HU, GT5H-1PP-HU)



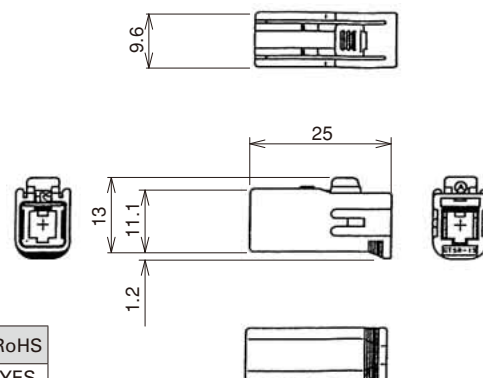
| Part No.   | HRS No.    | Material | Color     | Packaging | RoHS |
|------------|------------|----------|-----------|-----------|------|
| GT5-1P/S-R | 755-0006-2 | PBT      | Dark Gray | 1         | YES  |



#### ● Housing (Retainer is not required)



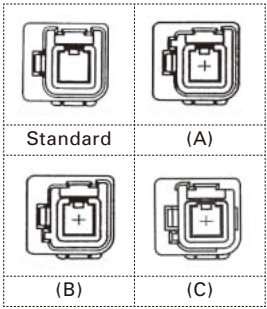
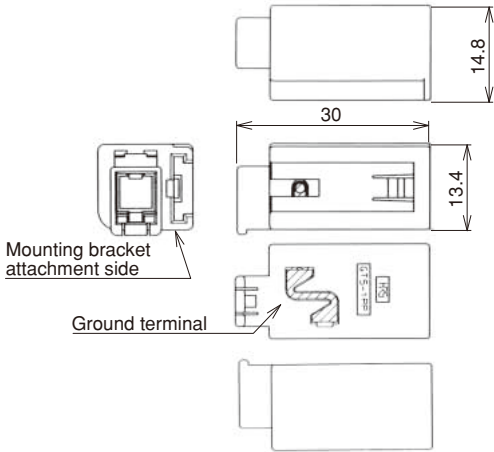
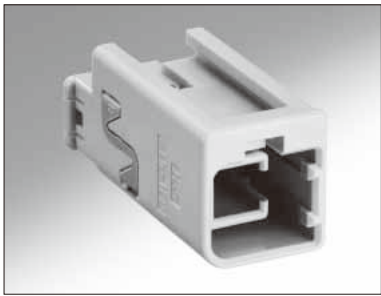
GT5R-1S-HU



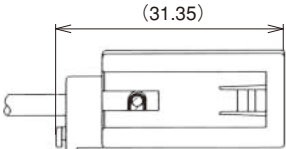
| Part No.   | HRS No.    | Material | Color      | Packaging | RoHS |
|------------|------------|----------|------------|-----------|------|
| GT5R-1S-HU | 755-0047-0 | PBT      | Light Gray | 1         | YES  |

M Connectors

Housings



Shown with inserted retainer.

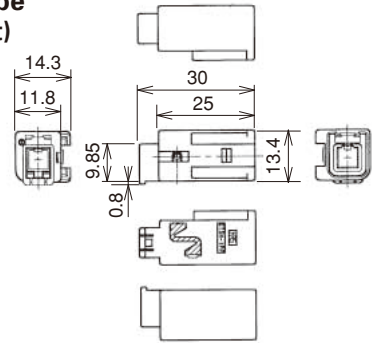


\*Used with separate retainer (GT5-1P/S-R), which is sold separately.

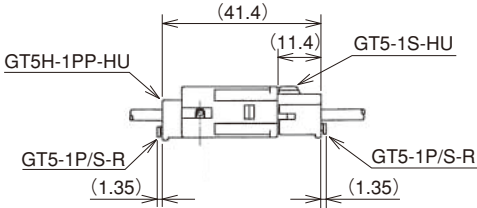
| Part No.          | HRS No.       | Corresponding F Connector Housing | Material/Plating                                                 | Color      | Key polarizing code | Packaging | RoHS |
|-------------------|---------------|-----------------------------------|------------------------------------------------------------------|------------|---------------------|-----------|------|
| GT5-1PP-HU(70)    | 755-0005-0 70 | GT5-1S-HU                         | Housing: PBT<br>Ground terminal: Phosphor bronze/<br>Tin plating | Light Gray | Standard            | 1         | YES  |
| GT5-1PP-HU(A)(70) | 755-0039-1 70 | GT5-1S-HU(A)                      |                                                                  | Brown      | (A)                 |           |      |
| GT5-1PP-HU(B)(70) | 755-0040-0 70 | GT5-1S-HU(B)                      |                                                                  | Green      | (B)                 |           |      |
| GT5-1PP-HU(C)(70) | 755-0103-9 70 | GT5-1S-HU (C)                     |                                                                  | Blue       | (C)                 |           |      |

Note 1 : Refer to pages 27 for panel mounting in-line bracket.  
Note 2 : Please use a mating F connector housing of a matching key type.

Housings (For use with H type mounting bracket)



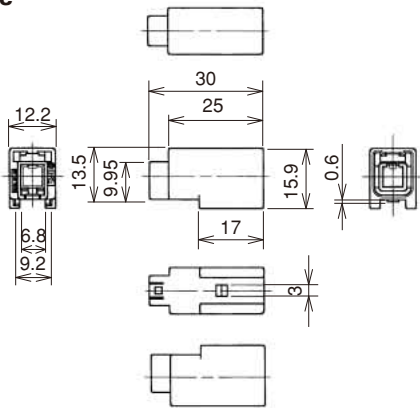
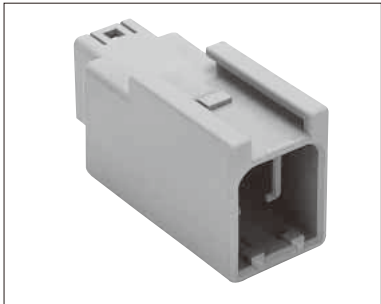
Mated condition



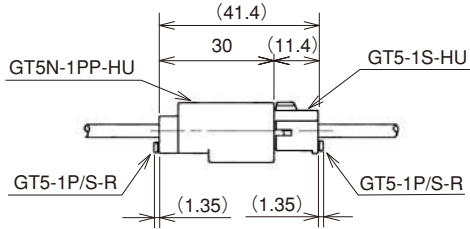
\*Used with separate retainer (GT5-1P/S-R), which is sold separately.

| Part No.        | HRS No.       | Material | Color      | Corresponding F Connector Housing | Packaging | RoHS |
|-----------------|---------------|----------|------------|-----------------------------------|-----------|------|
| GT5H-1PP-HU(10) | 755-0093-7 10 | PBT      | Light Gray | GT5-1S-HU<br>GT5R-1S-HU           | 1         | YES  |

Housing (For use with N type mounting bracket)



Mated condition

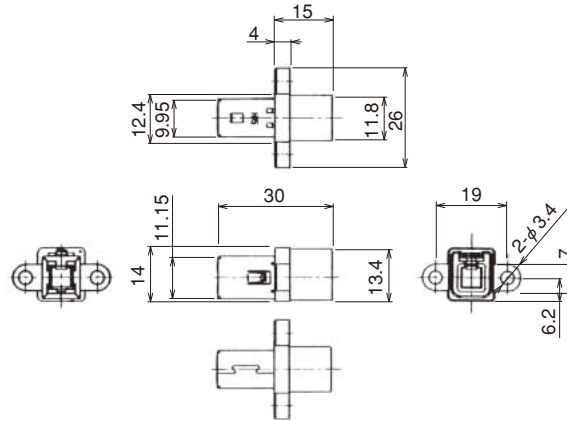


\*Used with separate retainer (GT5-1P/S-R), which is sold separately.

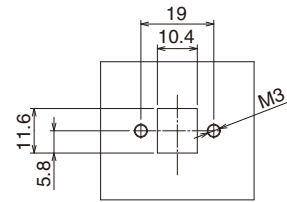
| Part No.    | HRS No.    | Material | Color      | Corresponding F Connector Housing | Packaging | RoHS |
|-------------|------------|----------|------------|-----------------------------------|-----------|------|
| GT5N-1PP-HU | 755-0090-9 | PBT      | Light Gray | GT5-1S-HU<br>GT5R-1S-HU           | 1         | YES  |

## ● Housings

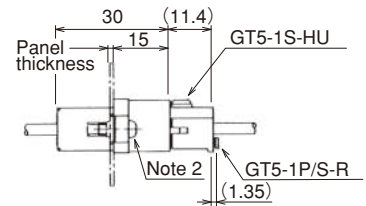
[ Panel mounting,  
enhanced shielding type ]



### ◆ Recommended Panel Cut-out



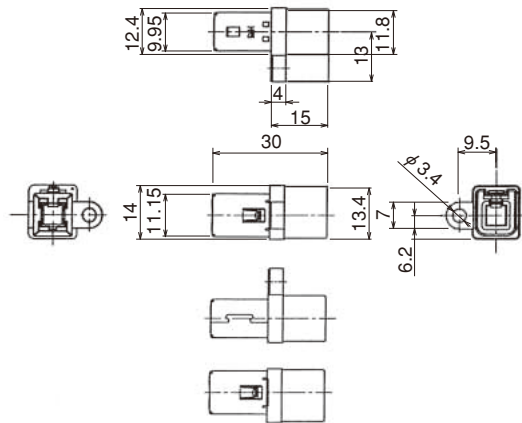
### ◆ Mated condition (mounted)



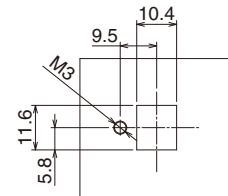
| Part No.        | HRS No.       | Material/Plating or Color                                       | Corresponding F Connector Housing | Packaging | RoHS |
|-----------------|---------------|-----------------------------------------------------------------|-----------------------------------|-----------|------|
| GT5A-1PP-HU(70) | 755-0025-7 70 | Housing : PBT/Light Gray<br>Ground terminal : Brass/Tin plating | GT5-1S-HU<br>GT5R-1S-HU           | 1         | YES  |

Note 1 : Retainer is not required.

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



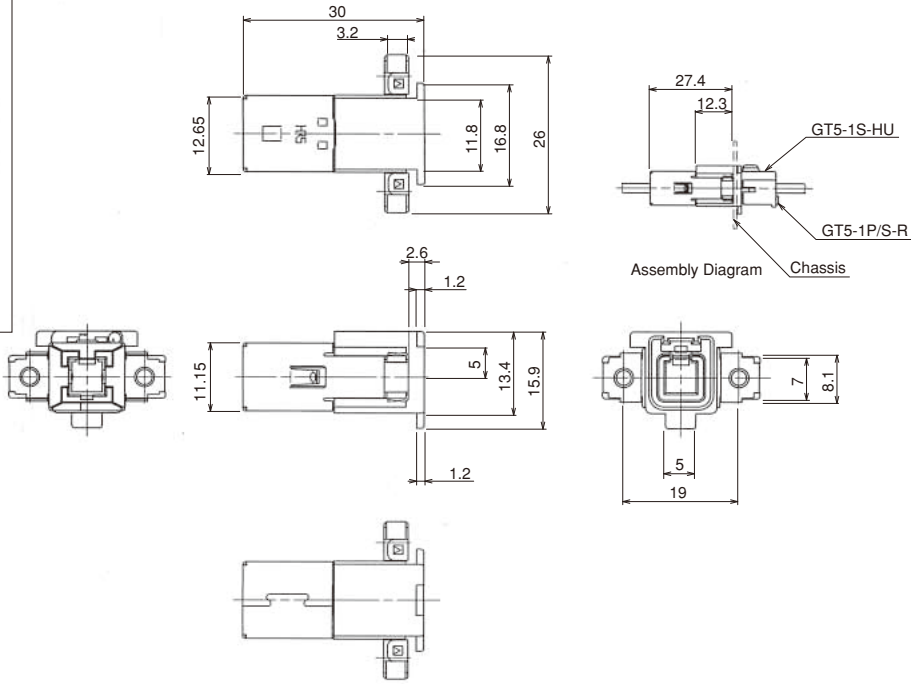
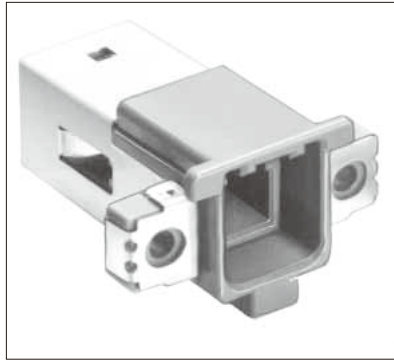
### ◆ Recommended Panel Cut-out



| Part No.        | HRS No.       | Material/Plating or Color                                       | Corresponding F Connector Housing | Packaging | RoHS |
|-----------------|---------------|-----------------------------------------------------------------|-----------------------------------|-----------|------|
| GT5P-1PP-HU(70) | 755-0030-7 70 | Housing : PBT/Light Gray<br>Ground terminal : Brass/Tin plating | GT5-1S-HU<br>GT5R-1S-HU           | 1         | YES  |

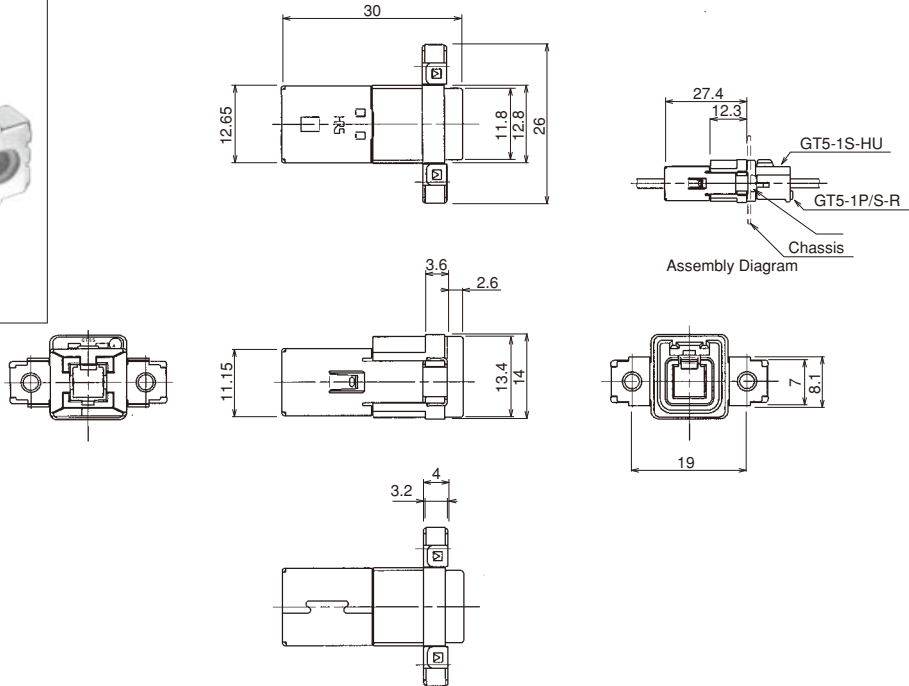
Note 1 : Retainer is not required.

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



| Part No.        | HRS No.       | Material/Plating or Color                                                 | Corresponding F Connector Housing | Packaging | RoHS |
|-----------------|---------------|---------------------------------------------------------------------------|-----------------------------------|-----------|------|
| GT5B-1PP-HU(70) | 755-0051-7 70 | Housing : PBT/Light Gray<br>Ground terminal : Phosphor bronze/Tin plating | GT5-1S-HU<br>GT5R-1S-HU           | 1         | YES  |

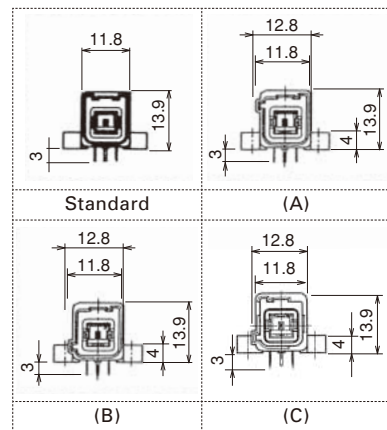
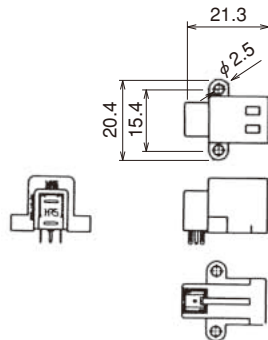
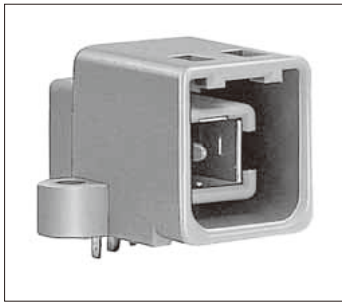
Note 1 : Retainer is not required.  
Note 2 : Use JIS B 1115 and 1122 class 4, nominal diameter 3, length 6 screws for the mounting screws.



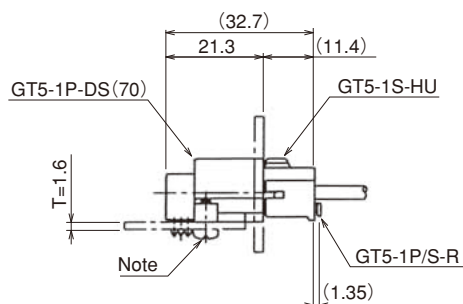
| Part No.        | HRS No.       | Material/Plating or Color                                                 | Corresponding F Connector Housing | Packaging | RoHS |
|-----------------|---------------|---------------------------------------------------------------------------|-----------------------------------|-----------|------|
| GT5S-1PP-HU(70) | 755-0050-4 70 | Housing : PBT/Light Gray<br>Ground terminal : Phosphor bronze/Tin plating | GT5-1S-HU<br>GT5R-1S-HU           | 1         | YES  |

Note 1 : Retainer is not required.  
Note 2 : Use JIS B 1115 and 1122 class 4, nominal diameter 3, length 6 screws for the mounting screws.

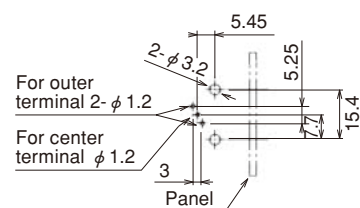
## ● Board Mounting Type



## ◆ Mated condition



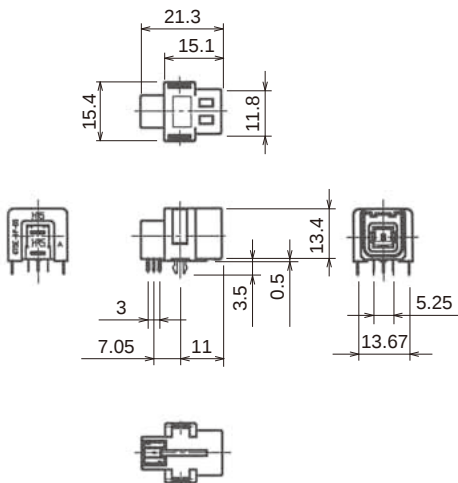
## ◆ Recommended PCB Mounting Pattern



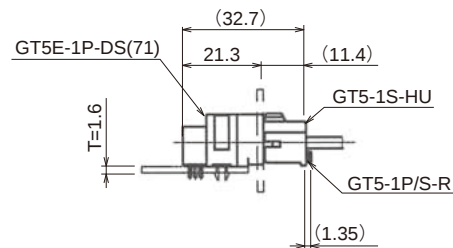
| Part No.         | HRS No.       | Material/Plating or Color                   | Color      | Key polarizing code | Corresponding F Connector Housing | Packaging | RoHS |
|------------------|---------------|---------------------------------------------|------------|---------------------|-----------------------------------|-----------|------|
| GT5-1P-DS(70)    | 755-0007-5 70 | Housing: PBT/-                              | Light Gray | Standard            | GT5-1S-HU                         | 1         | YES  |
| GT5-1P-DS(A)(70) | 755-0041-3 70 | Center terminal: Brass/Tin plating          | Brown      | (A)                 | GT5-1S-HU(A)                      |           |      |
| GT5-1P-DS(B)(70) | 755-0042-6 70 | Insulator: PBT/Dark Gray                    | Green      | (B)                 | GT5-1S-HU(B)                      |           |      |
| GT5-1P-DS(C)(70) | 755-0083-3 70 | Outer terminal: Phosphor bronze/Tin plating | Blue       | (C)                 | GT5-1S-HU(C)                      |           |      |

Note 1 : 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.

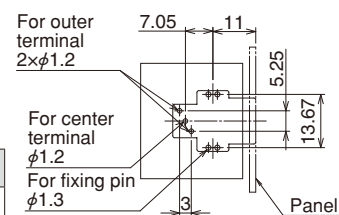
Note 2 : Please use a mating F connector housing of a matching key type.



## ◆ Mated condition



## ◆ Recommended PCB Mounting Pattern

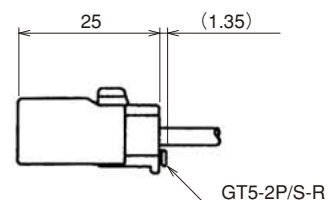
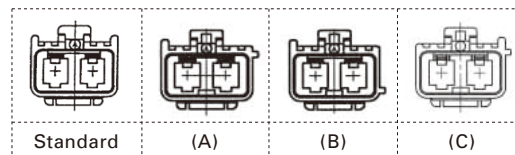
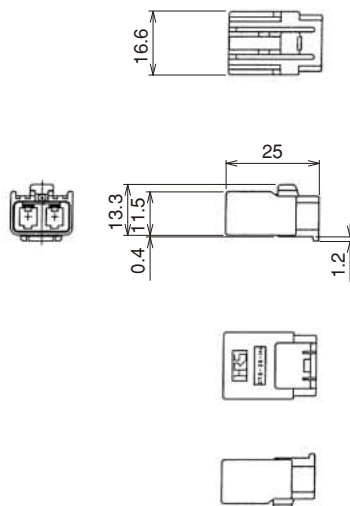


| Part No.        | HRS No.       | Material/Plating or Color                                                                                                                 | Corresponding F Connector Housing | Packaging | RoHS |
|-----------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------|------|
| GT5EC-1P-DS(71) | 755-0125-1 71 | Housing: PA/Natural                                                                                                                       | GT5-1S-HU                         | 1         | YES  |
|                 |               | Center terminal: Brass/Tin plating<br>Insulator: PA/Black<br>Outer terminal: Phosphor bronze/Tin plating<br>Fixing pin: Brass/Tin plating | GT5R-1S-HU                        |           |      |

## 1 Pos. for coaxial cable 2 coaxial type

### F Connectors

#### ● Housing



◆Shown with inserted retainer.

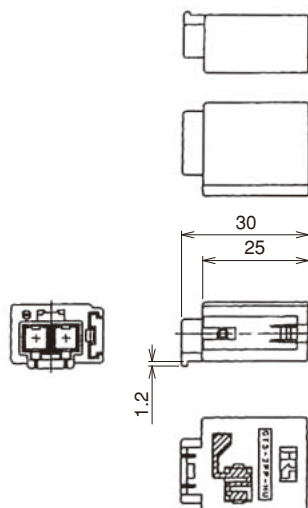
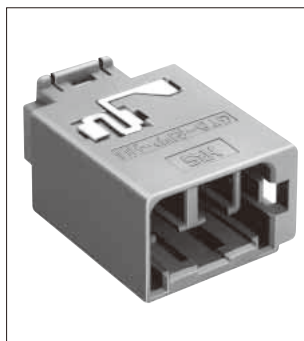
| Part No.     | HRS No.    | Material | Color      | Key polarizing code | Packaging | RoHS |
|--------------|------------|----------|------------|---------------------|-----------|------|
| GT5-2S-HU    | 755-0044-1 | PBT      | Light Gray | Standard            | 1         | YES  |
| GT5-2S-HU(A) | 755-0059-9 |          | Brown      | (A)                 |           |      |
| GT5-2S-HU(B) | 755-0060-8 |          | Green      | (B)                 |           |      |
| GT5-2S-HU(C) | 755-0097-8 |          | Blue       | (C)                 |           |      |

Note 1 : Assemble main parts with separate retainer (GT5-2P/S-R).

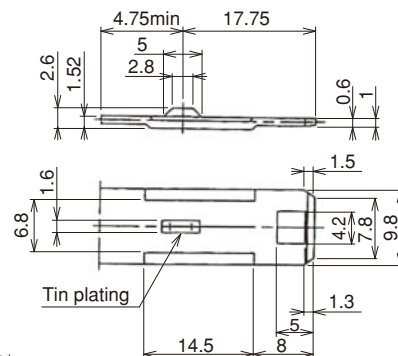
Note 2 : Please use a mating F connector housing of a matching key type.

### M Connectors

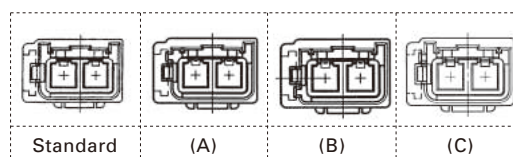
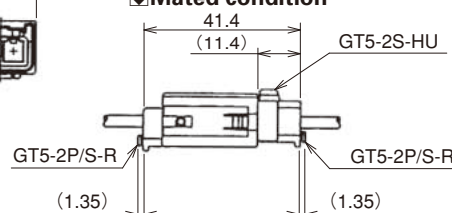
#### ●Housings[Panel Mounted Housing]



◆Recommended Mounting Bracket dimensions.



◆Mated condition

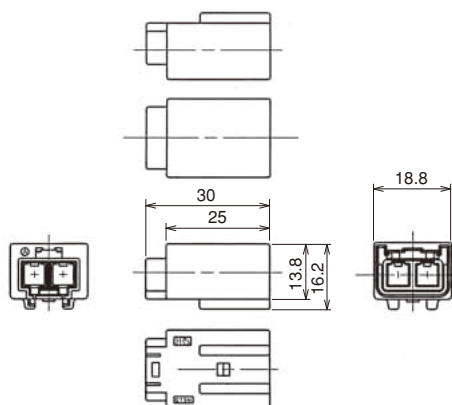
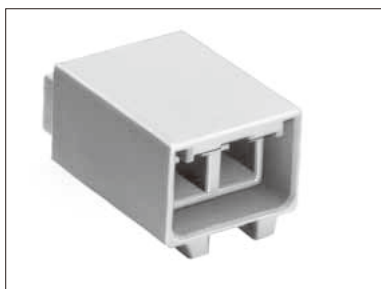


| Part No.          | HRS No.       | Material / Plating                                               | Color      | Key polarizing code | Packaging | RoHS |
|-------------------|---------------|------------------------------------------------------------------|------------|---------------------|-----------|------|
| GT5-2PP-HU(70)    | 755-0045-4 70 | Housing : PBT<br>Ground terminal : Phosphor bronze / Tin plating | Light Gray | Standard            | 1         | YES  |
| GT5-2PP-HU(A)(70) | 755-0063-6 70 |                                                                  | Brown      | (A)                 |           |      |
| GT5-2PP-HU(B)(70) | 755-0064-9 70 |                                                                  | Green      | (B)                 |           |      |
| GT5-2PP-HU(C)(70) | 755-0099-3 70 |                                                                  | Blue       | (C)                 |           |      |

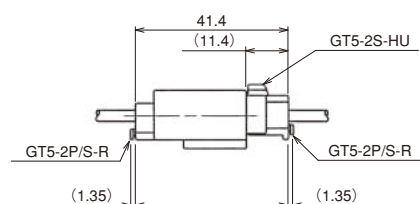
Note 1 : Assemble main parts with separate retainer (GT5-2P/S-R).

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

## ● Housings



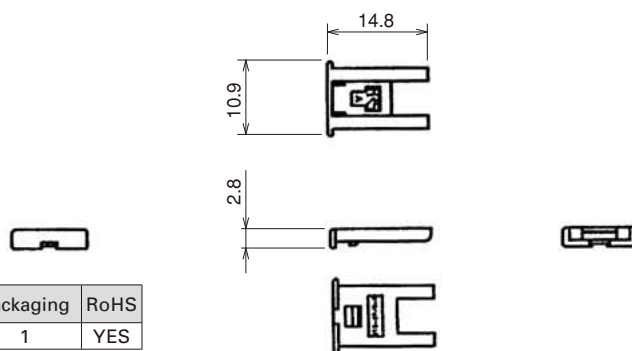
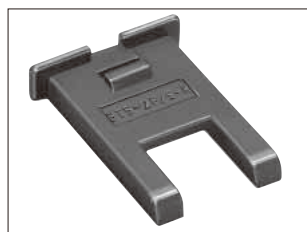
## ◆ Mated condition



| Part No.    | HRS No.    | Material | Color      | Packaging | RoHS |
|-------------|------------|----------|------------|-----------|------|
| GT5N-2PP-HU | 755-0055-8 | PBT      | Light Gray | 1         | YES  |

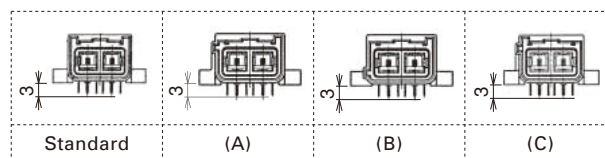
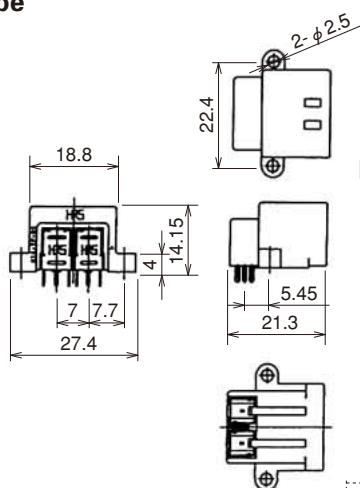
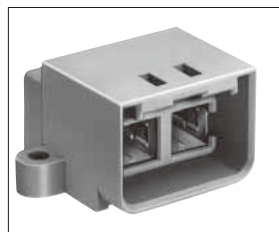
Note : Assemble main parts with separated retainer (GT5-2P/S-R).

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

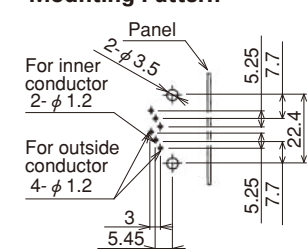


| Part No.   | HRS No.    | Material | Color     | Packaging | RoHS |
|------------|------------|----------|-----------|-----------|------|
| GT5-2P/S-R | 755-0046-7 | PBT      | Dark Gray | 1         | YES  |

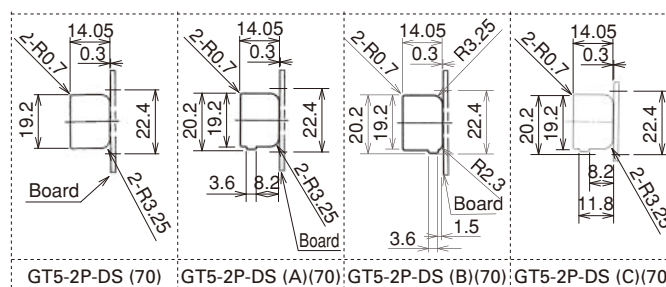
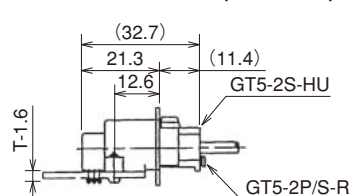
## ● Board Mounting Type



## ◆ Recommended Board Mounting Pattern



## ◆ Mated condition (mounted)



## Recommended Panel Cut-out

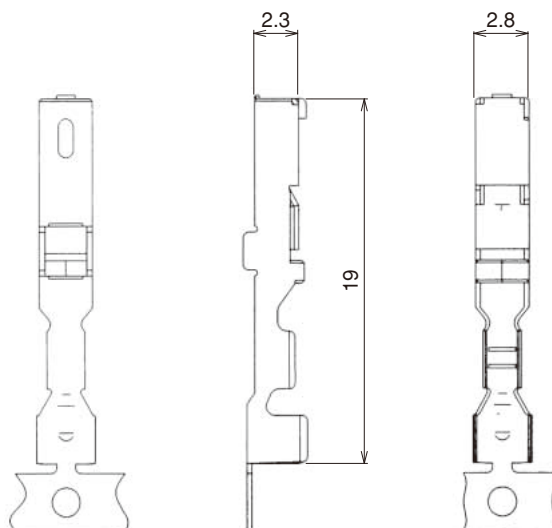
| Part No.         | HRS No.       | Material/Plating or Color                    | Color      | Key polarizing code | Packaging | RoHS |
|------------------|---------------|----------------------------------------------|------------|---------------------|-----------|------|
| GT5-2P-DS(70)    | 755-0043-9 70 | Housing : PBT/—                              | Light Gray | Standard            | 1         | YES  |
| GT5-2P-DS(A)(70) | 755-0061-0 70 | Center terminal : Brass/Tin plating          | Brown      | (A)                 |           |      |
| GT5-2P-DS(B)(70) | 755-0062-3 70 | Insulator : PBT/Dark Gray                    | Green      | (B)                 |           |      |
| GT5-2P-DS(C)(70) | 755-0101-3 70 | Outer terminal : Phosphor bronze/Tin plating | Blue       | (C)                 |           |      |

Note 1 : Housing.

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

## Terminals for Power Supply

### Terminals for F Connector

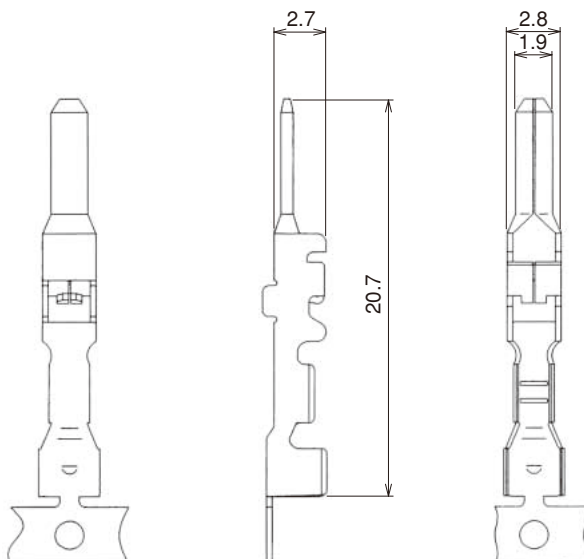


| Part No.         | HRS No.       | Material     | Plating     | Conductor Size (AWG) | Outer Diameter | Packaging      | RoHS |
|------------------|---------------|--------------|-------------|----------------------|----------------|----------------|------|
| GT7-2022SCF(70)  | 757-0001-1 70 | Copper alloy | Tin plating | 20 to 22 AWG         | φ1.4 to 2.4    | 5,000 pcs/reel | YES  |
| GT7A-2022SCF(70) | 757-0003-7 70 |              |             |                      | φ2.6 to 3.1    | 3,000 pcs/reel |      |

Note 1 : Sold in reel. (See above table for number of Packaging.)

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

### Terminals for M Connector



| Part No.         | HRS No.       | Material | Plating     | Conductor Size (AWG) | Outer Diameter | Packaging      | RoHS |
|------------------|---------------|----------|-------------|----------------------|----------------|----------------|------|
| GT7-2022PCF(70)  | 757-0002-4 70 | Brass    | Tin plating | 20 to 22 AWG         | φ1.4 to 2.4    | 5,000 pcs/reel | YES  |
| GT7A-2022PCF(70) | 757-0004-0 70 |          |             |                      | φ2.6 to 3.1    | 3,000 pcs/reel |      |

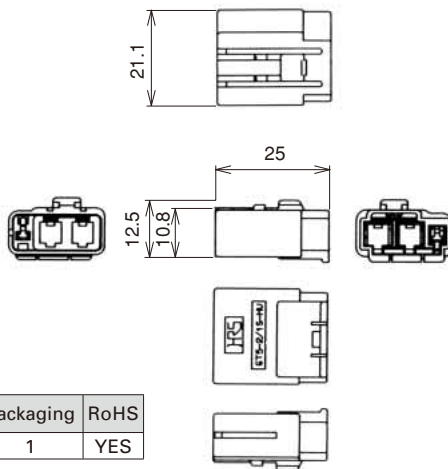
Note 1 : Sold in reel. (See above table for number of Packaging.)

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

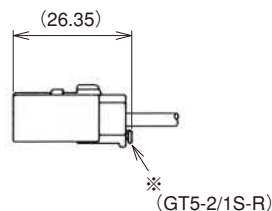
## Combinaton Type (2 Coaxials + 1 Power contact)

### F Connectors

#### ● Housing



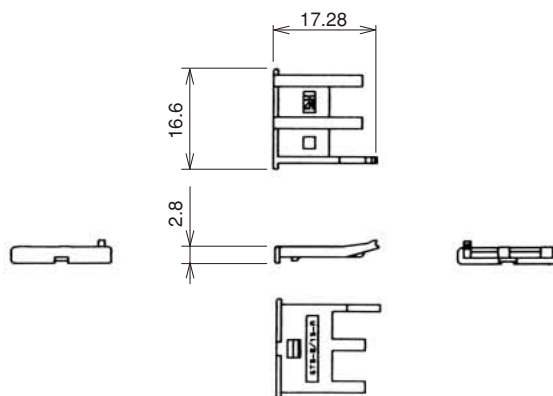
◆ Shown with inserted retainer.



\*Used with separate retainer (GT5-1P/S-R), which is sold separately.

| Part No.    | HRS No.    | Material | Color      | Packaging | RoHS |
|-------------|------------|----------|------------|-----------|------|
| GT5-2/1S-HU | 755-0009-0 | PBT      | Light Gray | 1         | YES  |

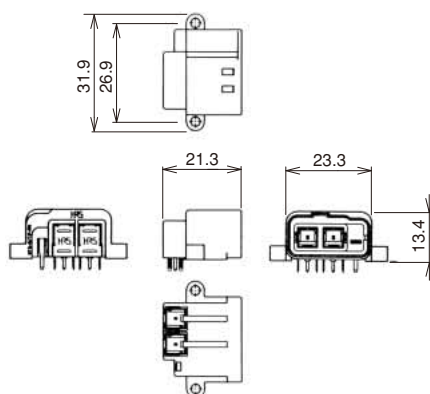
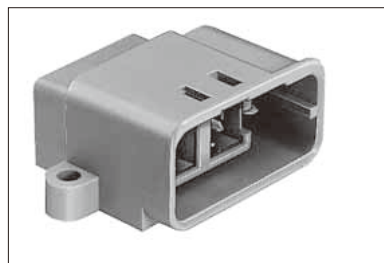
#### ● Retainer (Only for GT5-2/1S-HU)



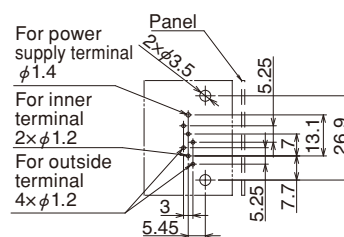
| Part No.   | HRS No.    | Material | Color     | Packaging | RoHS |
|------------|------------|----------|-----------|-----------|------|
| GT5-2/1S-R | 755-0003-4 | PBT      | Dark Gray | 1         | YES  |

### M Connectors

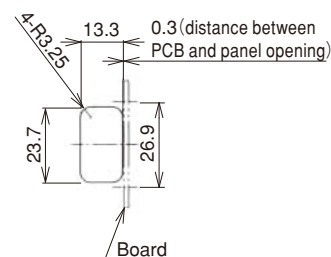
#### ● Board mounting type



#### ◆ Recommended Board Mounting Pattern



#### ◆ Recommended Panel Cut-out

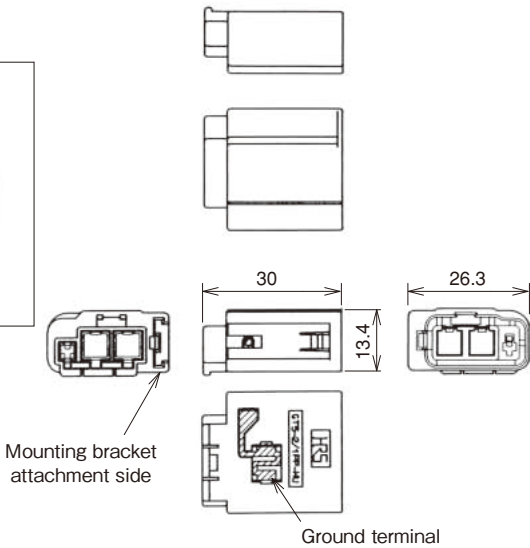


| Part No.        | HRS No.       | Material/Plating or Color                                                                                                                                                                     | Packaging | RoHS |
|-----------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|
| GT5-2/1P-DS(70) | 755-0014-0 70 | Housing : PBT/Light Gray<br>Center terminal : Brass/Tin plating<br>Insulator : PBT/Dark Gray<br>Outer terminal : Phosphor bronze/Tin plating<br>For power supply terminal : Brass/Tin plating | 1         | YES  |

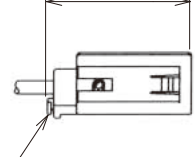
Note : Use JIS B 1115 and 1122 class 4, nominal diameter 3, length 6 screws (for a board thickness of 1.6 mm) for the mounting screws.

M Connectors

Housing

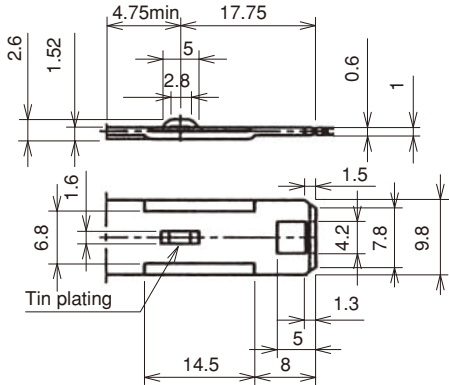


Shown with inserted retainer. (31.35)



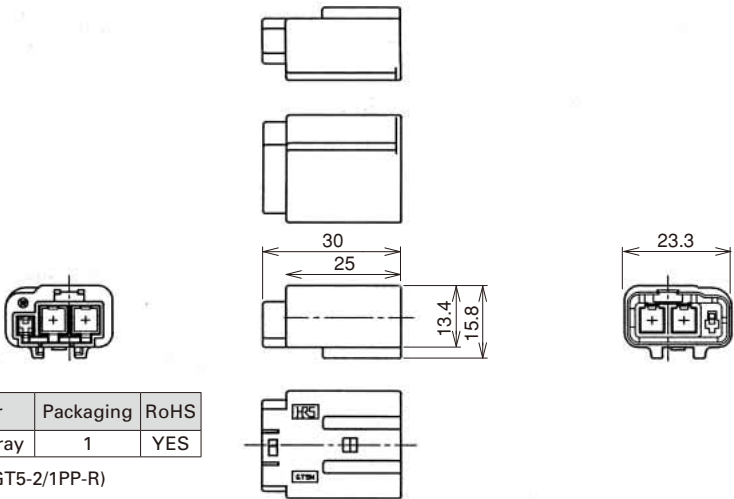
\*Used with separate retainer (GT5-1P/S-R), which is sold separately.

Recommended Mounting Bracket Dimensions



| Part No.         | HRS No.       | Material/Plating or Color                                                | Packaging | RoHS |
|------------------|---------------|--------------------------------------------------------------------------|-----------|------|
| GT5-2/1PP-HU(70) | 755-0008-8 70 | Housing: PBT/Light Gray<br>Ground terminal: Phosphor bronze/ Tin plating | 1         | YES  |

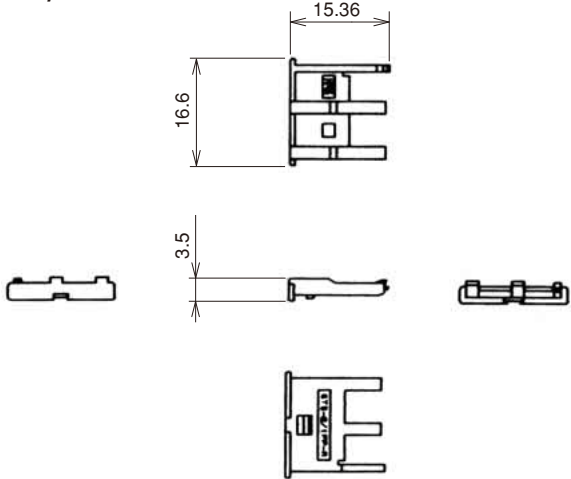
Note : Refer to pages 27 for panel Mounting In-line Bracket.



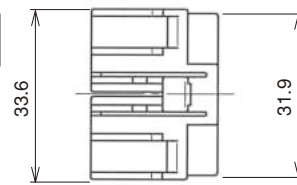
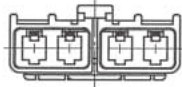
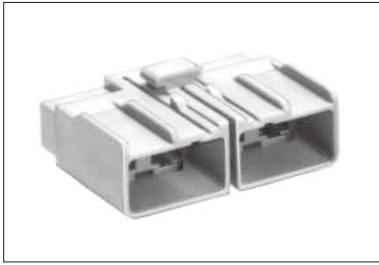
| Part No.      | HRS No.    | Material | Color      | Packaging | RoHS |
|---------------|------------|----------|------------|-----------|------|
| GT5N-2/1PP-HU | 755-0013-8 | PBT      | Light Gray | 1         | YES  |

Note : Assemble main parts with separated retainer. (GT5-2/1PP-R)

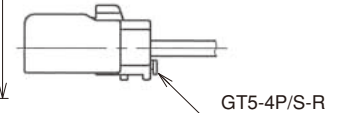
Retainer (Used with GT5N-2/1PP-HU and GT5-2/1PP-HU)



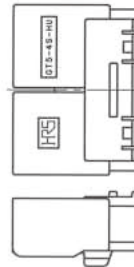
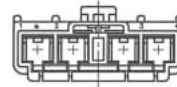
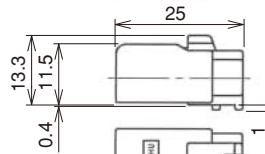
| Part No.    | HRS No.    | Material | Color     | Packaging | RoHS |
|-------------|------------|----------|-----------|-----------|------|
| GT5-2/1PP-R | 755-0010-0 | PBT      | Dark Gray | 1         | YES  |

**1 Pos. for coaxial cable 4 coaxials type****F Connectors**

◆ Shown with inserted retainer.

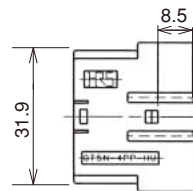
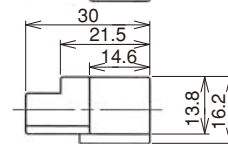
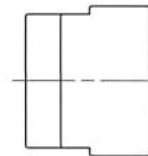
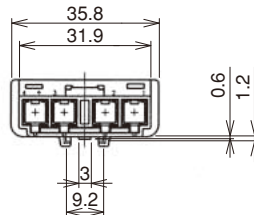
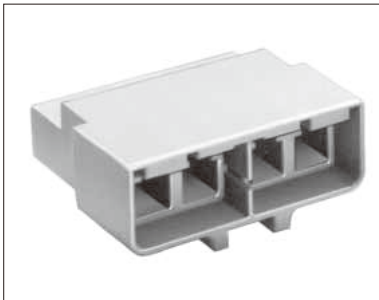


GT5-4P/S-R



| Part No.  | HRS No.    | Material | Color      | Packaging | RoHS |
|-----------|------------|----------|------------|-----------|------|
| GT5-4S-HU | 755-0056-0 | PBT      | Light Gray | 1         | YES  |

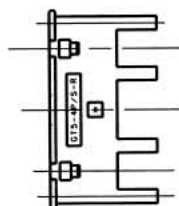
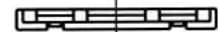
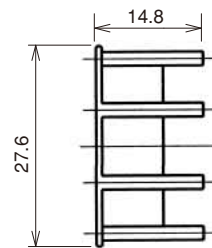
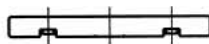
Note : Assemble main parts with separated retainer GT5-4P/S-R.

**M Connectors**

| Part No.    | HRS No.    | Material | Color      | Packaging | RoHS |
|-------------|------------|----------|------------|-----------|------|
| GT5N-4PP-HU | 755-0057-3 | PBT      | Light Gray | 1         | YES  |

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

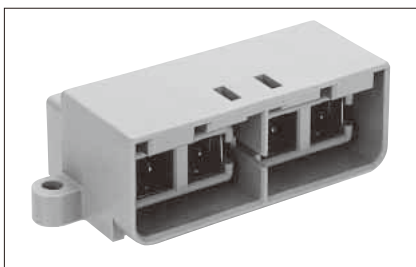
Note 2 : Assemble main parts with separated retainer GT5-4P/S-R.

**● Retainer (Only for GT5-4S-HU and GT5N-4PP-HU)**

| Part No.   | HRS No.    | Material | Color     | Packaging | RoHS |
|------------|------------|----------|-----------|-----------|------|
| GT5-4P/S-R | 755-0058-6 | PBT      | Dark Gray | 1         | YES  |

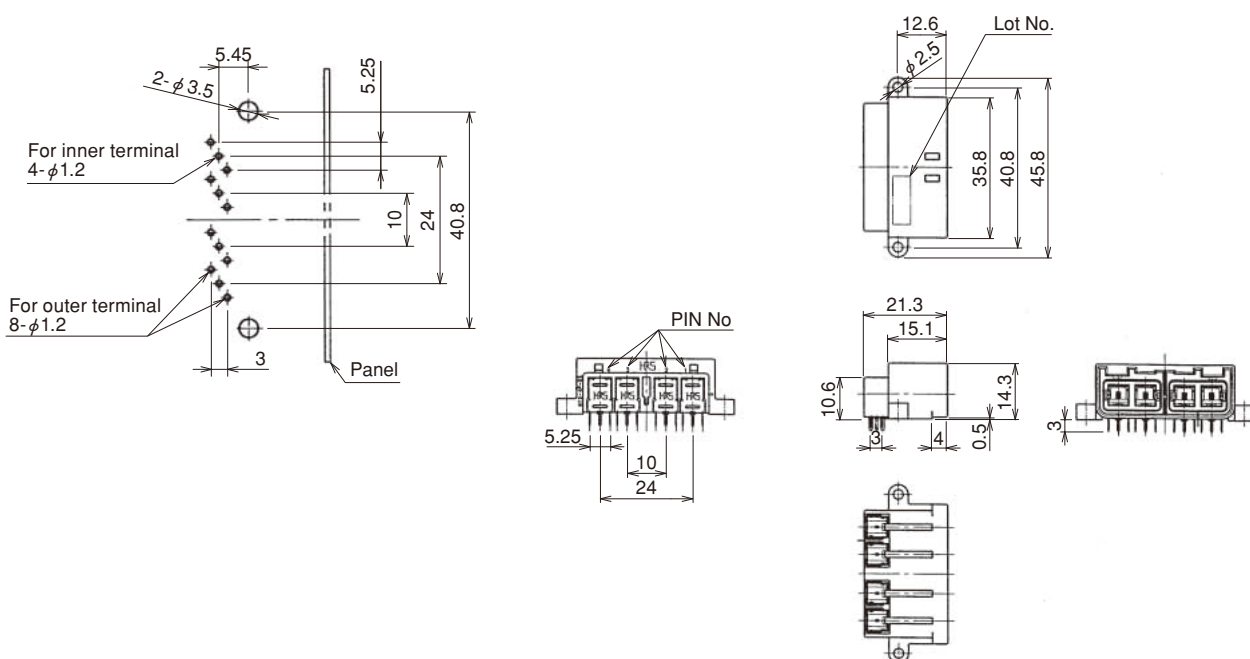
## M Connectors

### ● Board Mounting type

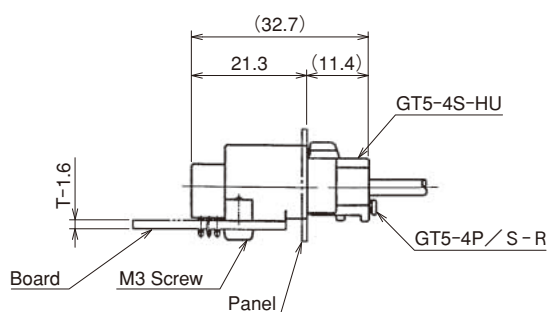


| Part No.      | HRS No.       | Material/Plating or Color                                                                                                                    | Packaging | RoHS |
|---------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|
| GT5-4P-DS(70) | 755-0087-4 70 | Housing : PBT/Light Gray<br>Center terminal : Brass/Tin plating<br>Insulator : PBT/Dark Gray<br>Outer terminal : Phosphor bronze/Tin plating | 1         | YES  |

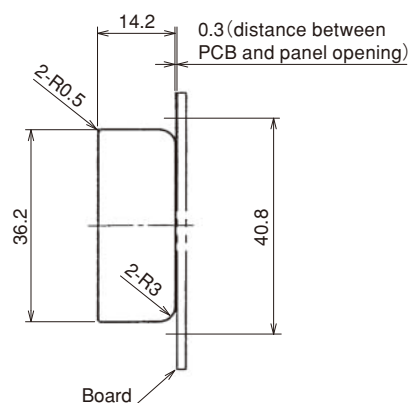
### ◆ Recommended Board Mounting Pattern



### ◆ Mated condition (mounted)



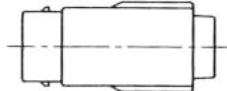
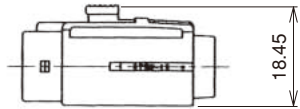
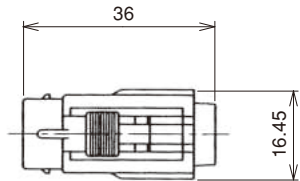
### ◆ Recommended Panel Cut-out



1Pos. for coaxial cable with Waterproof type

F Connectors

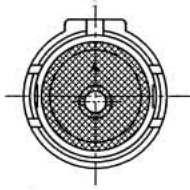
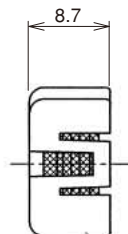
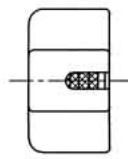
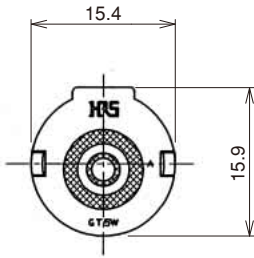
● Housing



| Part No.   | HRS No.    | Material | Color      | Packaging | RoHS |
|------------|------------|----------|------------|-----------|------|
| GT5W-1S-HU | 755-0027-2 | PBT      | Light Gray | 1         | YES  |

Note : Use correct retainer.

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



| Part No.    | HRS No.    | Material/Plating or Color                                             | Packaging | RoHS |
|-------------|------------|-----------------------------------------------------------------------|-----------|------|
| GT5W-1P/S-R | 755-0028-5 | Retainer: PBT/Dark Gray<br>Rubber: Silicon rubber Compound/Light Blue | 1         | YES  |

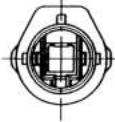
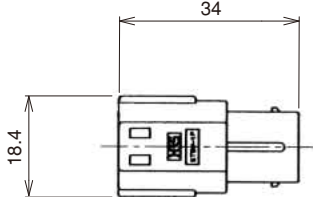
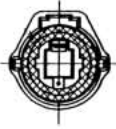
Note : Outer diameter of the cable must be within  $\phi 2.9$  to  $\phi 3.4$  mm.

\*Waterproofness will depend on the cable. Please contact a Hirose Electric sales representative for further information when using this product

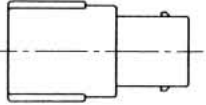
M Connectors

Housing



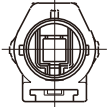
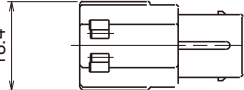
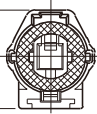


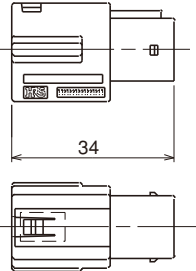
| Part No.   | HRS No.    | Material / Plating or Color                                                    | Packaging | RoHS |
|------------|------------|--------------------------------------------------------------------------------|-----------|------|
| GT5W-1P-HU | 755-0026-0 | Housing : PBT / Light Gray<br>Connector seal : Silicon rubber Compound / White | 1         | YES  |



Note : Use correct retainer.

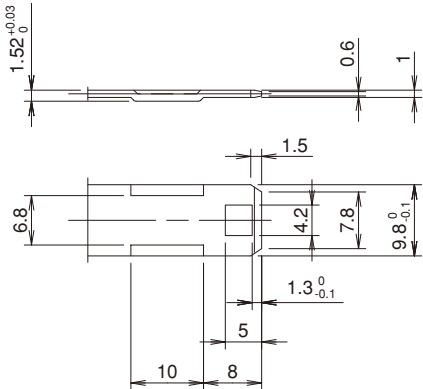






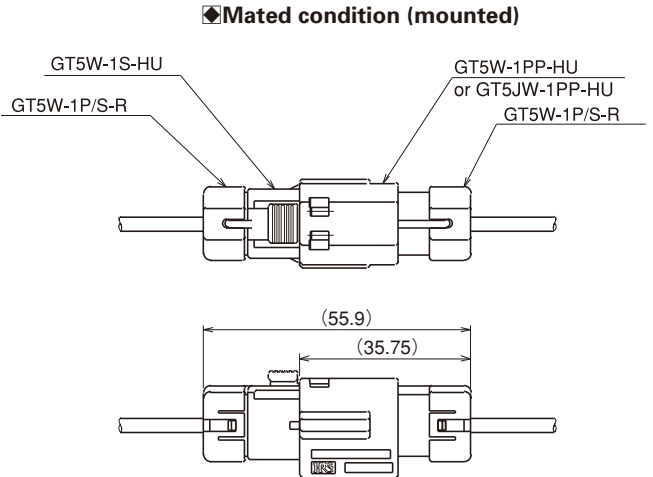
Recommended Bracket Dimensions Diagram  
(Used with GT5W-1PP-HU)

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



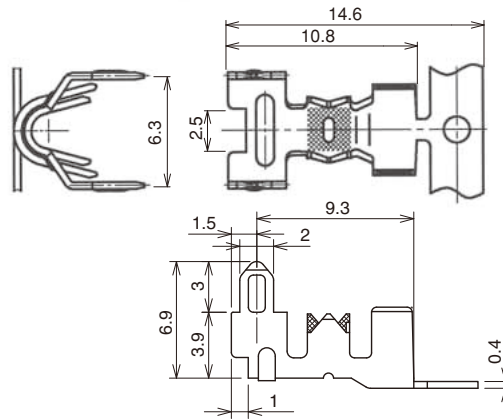
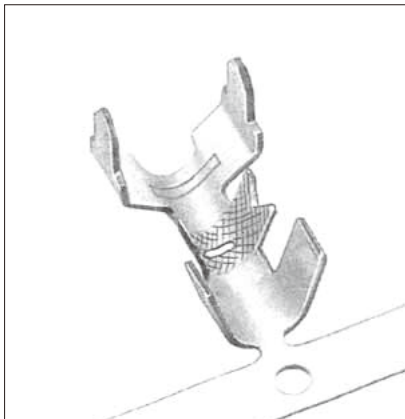
| Part No.     | HRS No.    | Material / Plating or Color                                                    | Packaging | RoHS |
|--------------|------------|--------------------------------------------------------------------------------|-----------|------|
| GT5W-1PP-HU  | 755-0070-1 | Housing : PBT / Light Gray<br>Connector seal : Silicon rubber Compound / White | 1         | YES  |
| GT5JW-1PP-HU | 755-0069-2 |                                                                                |           |      |

Note : Use correct retainer.

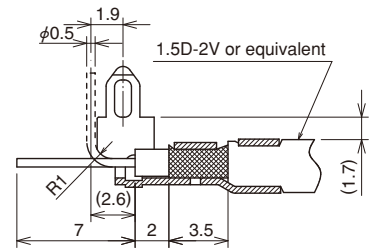


## G Terminals

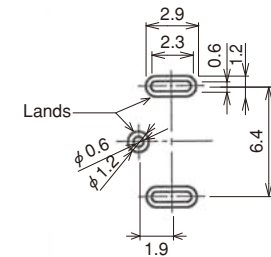
### For Direct Coaxial Shielded Cable Termination



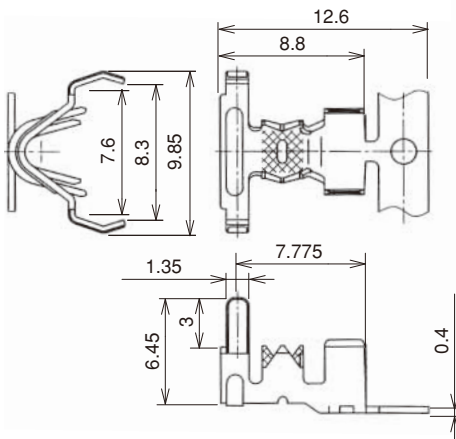
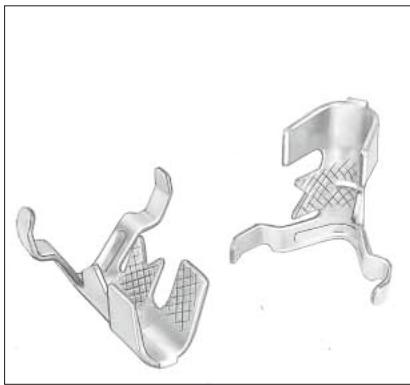
#### Recommended Completed Termination cross section



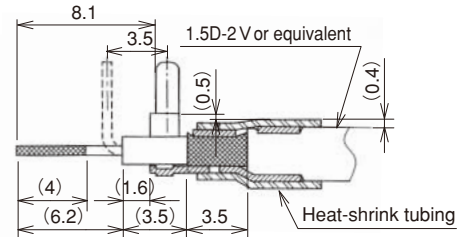
#### Board Termination Pattern



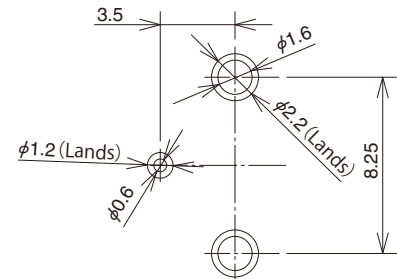
| Part No.      | HRS No.       | Material | Plating     | Packaging      | RoHS |
|---------------|---------------|----------|-------------|----------------|------|
| GTA-1.6CF(70) | 755-0032-2 70 | Brass    | Tin plating | 1,500 pcs/reel | YES  |



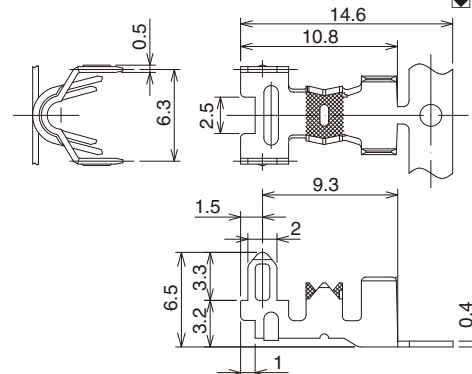
#### Completed Termination cross section



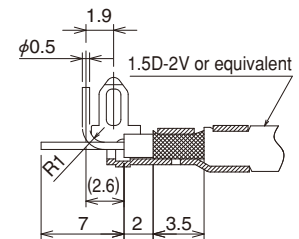
#### Board Termination Pattern



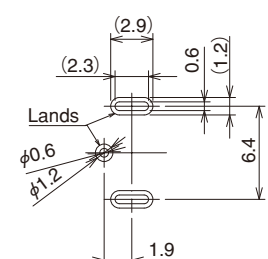
| Part No.      | HRS No.       | Material | Plating     | Packaging      | RoHS |
|---------------|---------------|----------|-------------|----------------|------|
| GTB-1.6CF(70) | 755-0049-5 70 | Brass    | Tin plating | 1,500 pcs/reel | YES  |



#### Completed Termination cross section



#### Board Termination Pattern



| Part No.  | HRS No.    | Material | Plating     | Packaging      | RoHS |
|-----------|------------|----------|-------------|----------------|------|
| GTC-1.6CF | 755-0106-7 | Brass    | Tin plating | 1,500 pcs/reel | YES  |

GT5

GT13

GT16

PO5G

GT19

For Antenna

GT21

GT26

GT36

GT11

GT17

GT32

GT3

GT7

GT10

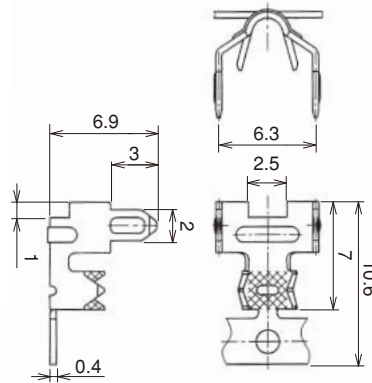
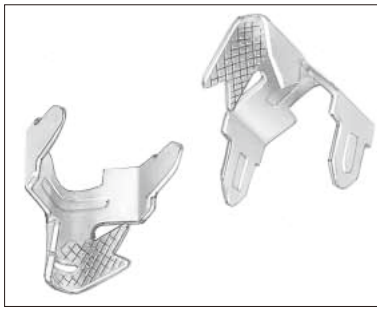
GT18W

GT25

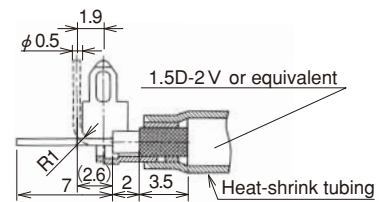
GT8E

GT9

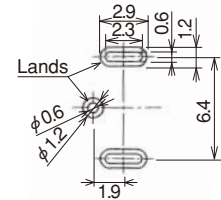
GT15



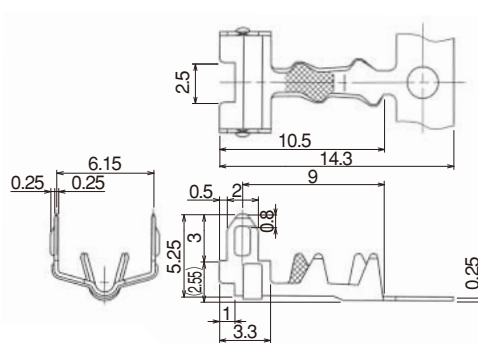
## ◆Completed Termination cross section



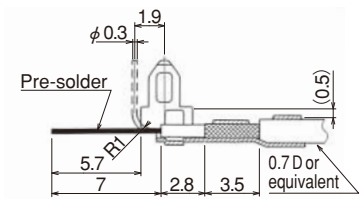
## ◆Recommended Board Termination Pattern



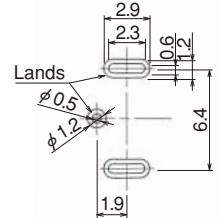
| Part No.     | HRS No.       | Material | Plating     | Packaging      | RoHS |
|--------------|---------------|----------|-------------|----------------|------|
| G-1.6PCF(70) | 755-0029-8 70 | Brass    | Tin plating | 1,500 pcs/reel | YES  |



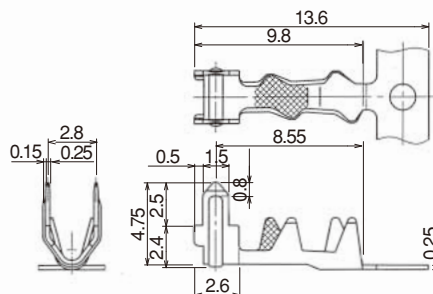
## ◆Completed Termination cross section



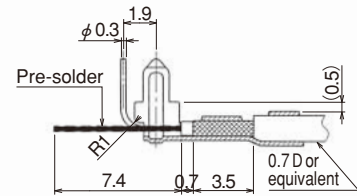
## ◆Recommended Board Termination Pattern



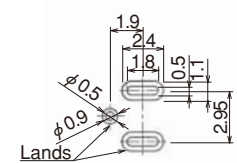
| Part No.  | HRS No.    | Material | Plating     | Packaging      | RoHS |
|-----------|------------|----------|-------------|----------------|------|
| GTA-0.7CF | 755-0074-2 | Brass    | Tin plating | 1,500 pcs/reel | YES  |



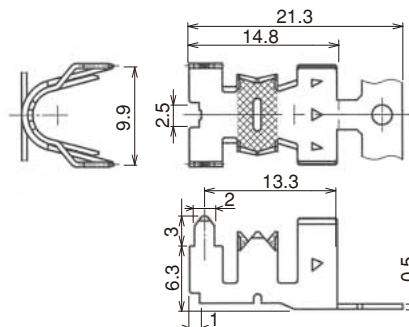
## ◆Recommended Completed Termination cross section



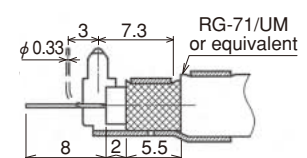
## ◆Recommended Board Termination Pattern



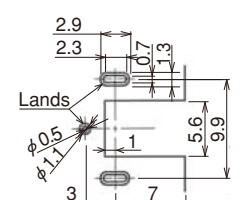
| Part No.  | HRS No.    | Material | Plating     | Packaging      | RoHS |
|-----------|------------|----------|-------------|----------------|------|
| GTB-0.7CF | 755-0075-5 | Brass    | Tin plating | 1,500 pcs/reel | YES  |



## ◆Recommended Completed Termination cross section



## ◆Recommended Board Termination Pattern



| Part No.  | HRS No.    | Material | Plating     | Packaging      | RoHS |
|-----------|------------|----------|-------------|----------------|------|
| GTE-3.7CF | 755-0122-3 | Brass    | Tin plating | 1,100 pcs/reel | YES  |

GT5

GT13

GT16

PO5G

GT19

GT21

GT26

GT36

GT11

GT17

GT32

GT3

GT7

GT10

GT18W

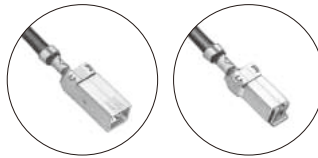
GT25

GT8E

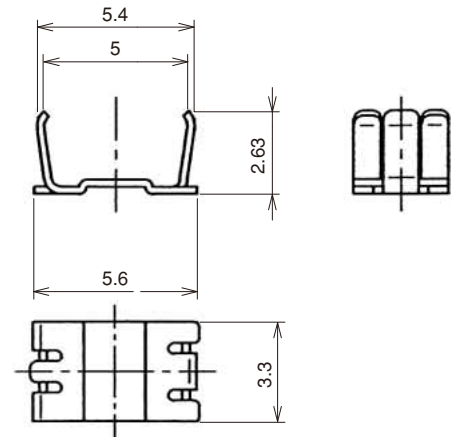
GT9

GT15

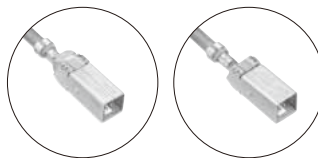
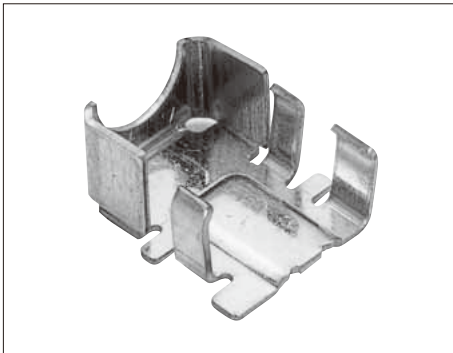
## Bottom Shield cover



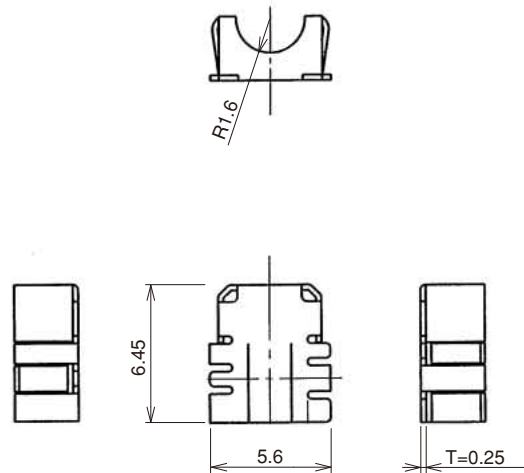
Assembled



| Part No.         | HRS No.       | Material | Plating     | Packaging | RoHS |
|------------------|---------------|----------|-------------|-----------|------|
| GT5-1P/S-CSB(70) | 755-0048-2 70 | Brass    | Tin plating | 1         | YES  |

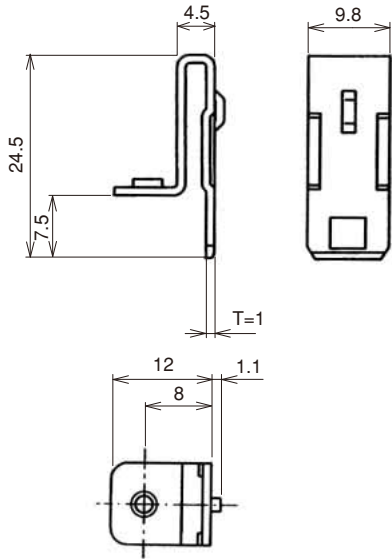


Assembled



| Part No.        | HRS No.       | Material | Plating     | Packaging | RoHS |
|-----------------|---------------|----------|-------------|-----------|------|
| GT5C-1P-CSB(70) | 755-0088-7 70 | Brass    | Tin plating | 1         | YES  |

■ Panel Mounting In-line Bracket

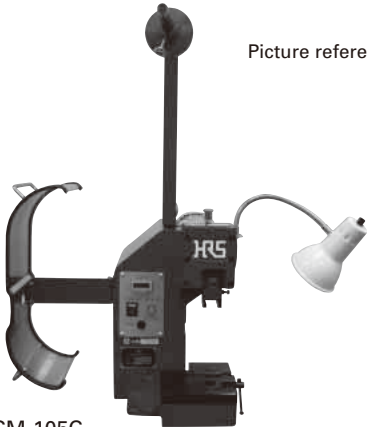


| Part No.  | HRS No.       | Material | Plating     | Used with connectors                                                                                                                                                                                                                                                             | Packaging | RoHS |
|-----------|---------------|----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|
| GT-BK(70) | 751-0039-6 70 | SPCC     | Tin plating | GT5-1PP-HU(70),<br>GT5-1PP-HU(A)(70), GT5-1PP-HU(B)(70)<br>GT5-1PP-HU(C)(70), GT5-1PP-HU(D)(70)<br>GT5-1PP-HU(E)(70), GT5-1PP-HU(F)(70)<br>GT5-1PP-HU(G)(70), GT5-1PP-HU(H)(70)<br>GT5-2/1PP-HU(70), GT5-2PP-HU(70)<br>GT5-2PP-HU(A)(70), GT5-2PP-HU(B)(70)<br>GT5-2PP-HU(C)(70) | 1         | YES  |

◆ Crimping tools

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

Automatic crimping machine



Picture reference only

Specifications

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

Part No. CM-105C

\* 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   | For Antenna |
| GT13  |             |
| GT16  |             |
| PO5G  |             |
| GT19  |             |
| GT21  |             |
| GT26  |             |
| GT36  |             |
| GT11  |             |
| GT17  |             |
| GT32  |             |
| GT3   |             |
| GT7   |             |
| GT10  |             |
| GT18W |             |
| GT25  |             |
| GT8E  |             |
| GT9   |             |
| GT15  |             |

## ● Harness tools

| Terminal Product No.     | Terminal HRS No. | Tool No.                  | Tool HRS No. |
|--------------------------|------------------|---------------------------|--------------|
| GT5-30/0.7-1.5PCF(70)    | 755-0017-9 70    | AP105-GT5-30/0.7-1.5P     | 901-5021-8   |
| GT5-30/0.7-1.5SCF(70)    | 755-0065-1 70    | AP105-GT5-30/0.7-1.5S     | 901-5080-7   |
| GT5L-2428/1.6-2.5PCF(70) | 755-0079-6 70    | AP105-GT5-2428/1.6-2.5P   | 901-5100-2   |
| GT5-2428/1.6-2.5SCF(70)  | 755-0078-3 70    | AP105-GT5-2428/1.6-2.5S   | 901-5101-5   |
| GT5-30/1.6-2.9PCF(70)    | 755-0021-6 70    | AP105-GT5-30/1.6-2.9P-ID  | 901-5019-6   |
|                          |                  | AP105-GT5-30/1.6-2.9P     | 901-5017-0   |
| GT5-30/1.6-2.9SCF(70)    | 755-0022-9 70    | AP105-GT5-30/1.6-2.9S-ID  | 901-5020-5   |
|                          |                  | AP105-GT5-30/1.6-2.9S     | 901-5018-3   |
| GT5-2428/1.6-2.9PCF(70)  | 755-0001-9 70    | AP105-GT5-2428/1.6-2.9P   | 901-5029-0   |
|                          |                  | AP105-GT5-2428/1.6-2.9PWS | 901-5031-1   |
|                          |                  | AP105-GT5-2428/1.6-2.9P-B | 901-5103-0   |
| GT5-2428/1.6-2.9SCF(70)  | 755-0002-1 70    | AP105-GT5-2428/1.6-2.9S   | 901-5030-9   |
|                          |                  | AP105-GT5-2428/1.6-2.9SWS | 901-5032-4   |
|                          |                  | AP105-GT5-2428/1.6-2.9S-B | 901-5104-3   |
| GT5-2022/1.6-2.9SCF(70)  | 755-0071-4 70    | AP105-GT5-2022/1.6-2.9S   | 901-5088-9   |
| GT5-2022/F2.7-3.5PCF(70) | 755-0076-8 70    | AP105-GT5-2022/F2.7-3.5P  | 901-5091-3   |
| GT5-2022/F2.7-3.5SCF(70) | 755-0077-0 70    | AP105-GT5-2022/F2.7-3.5S  | 901-5092-6   |
| GT5-2022/F3.3-3.8PCF(70) | 755-0053-2 70    | AP105-GT5-2022/F3.3-3.8P  | 901-5075-7   |
| GT5-2022/F3.3-3.8SCF(70) | 755-0054-5 70    | AP105-GT5-2022/F3.3-3.8S  | 901-5076-0   |
| GT5-2022/F3.3-5PCF(70)   | 755-0033-5 70    | AP105-GT5-2022/F3.3-5P-ID | 901-5058-8   |
|                          |                  | AP105-GT5-2022/F3.3-5P    | 901-5059-0   |
| GT5-2022/F3.3-5SCF(70)   | 755-0034-8 70    | AP105-GT5-2022/F3.3-5S-ID | 901-5060-0   |
|                          |                  | AP105-GT5-2022/F3.3-5S    | 901-5061-2   |
| GT5-30/F4-5PCF(70)       | 755-0019-4 70    | AP105-GT5-30/F4-5P-ID     | 901-5033-7   |
| GT5-30/F4-5SCF(70)       | 755-0020-3 70    | AP105-GT5-30/F4-5S-ID     | 901-5034-0   |
| GT5-2428/F4-5PCF(70)     | 755-0023-1 70    | AP105-GT5-2428/F4-5P-ID   | 901-5035-2   |
|                          |                  | AP105-GT5-2428/F4-5P-3C2V | 901-5056-2   |
| GT5-2428/F4-5SCF(70)     | 755-0024-4 70    | AP105-GT5-2428/F4-5S-ID   | 901-5036-5   |
|                          |                  | AP105-GT5-2428/F4-5S-3C2V | 901-5057-5   |
| GT5-2022/F4-5PCF(70)     | 755-0035-0 70    | AP105-GT5-2022/F4-5P      | 901-5052-1   |
|                          |                  | AP105-GT5-2022/F4-5P-18ID | 901-5121-2   |
| GT5-2022/F4-5SCF(70)     | 755-0036-3 70    | AP105-GT5-2022/F4-5S      | 901-5053-4   |
|                          |                  | AP105-GT5-2022/F4-5S-18ID | 901-5102-8   |
| G-1.6PCF(70)             | 755-0029-8 70    | AP105-G-1.6P              | 901-5041-5   |
| GTA-0.7CF                | 755-0074-2       | AP105-GTA.B-0.7P          | 901-5141-0   |
| GTB-0.7CF                | 755-0075-5       | AP105-GTA.B-0.7P          | 901-5141-0   |
| GTA-1.6CF(70)            | 755-0032-2 70    | AP105-GTA.B-1.6P          | 901-5047-1   |
| GTB-1.6CF(70)            | 755-0049-5 70    | AP105-GTA.B-1.6P          | 901-5047-1   |
| GTC-1.6CF                | 755-0106-7       | AP105-GTA.B-1.6P          | 901-5047-1   |
| GTE-3.7CF                | 755-0122-3       | AP105-GTE-3.7             | 901-5151-3   |