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

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

GT1 Series

— Connectors for coaxial cables —

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

GT 1
Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines
GT 5
GT 13
GT 16
PO5G
GT 11
GT 14
GT 17
GT 19N
GT 2
GT 3
GT 6W
GT 7
GT 10
GT 12
GT 18W
GT 15
GT 8
GT 9
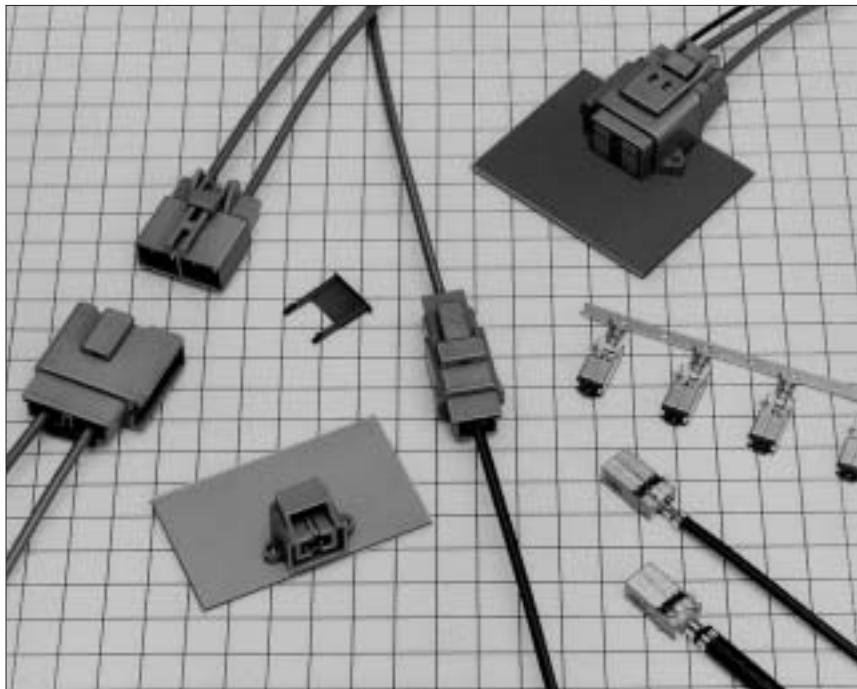
■ Features

● **Cost efficient termination**
   Highly efficient and reliable single motion crimp termination allows high volume production with semi-automatic equipment.
● **Lock-release latching system**
● **Shock / vibration resistant electrical connections**
● **Verification of the full contact insertion**
● **Excellent shielding effects.**
● **Excellent High Frequency Performance**
   Refer to V.S.W.R. data on the following pages.

◆ Test Data (Using Semi-rigid Cable)

High Frequency Characteristics (V.S.W.R.)
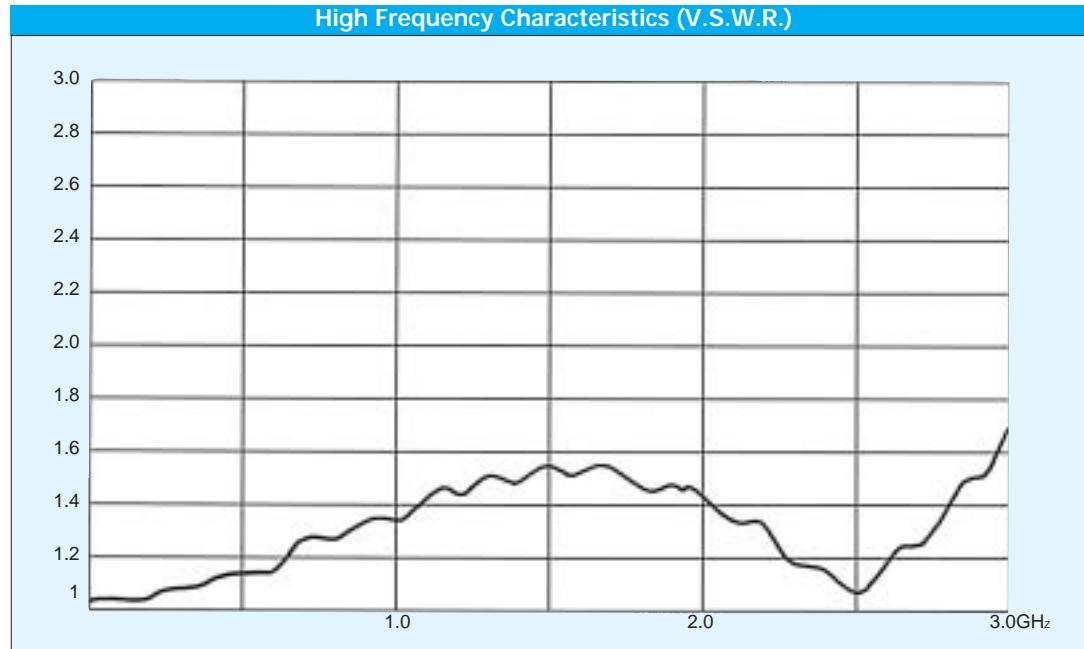
Note: Data taken using fully assemblied and connected GT1-1S-HU and GT1-1P-DSA.

◆ Diagram of GT1 In-line Type Structure
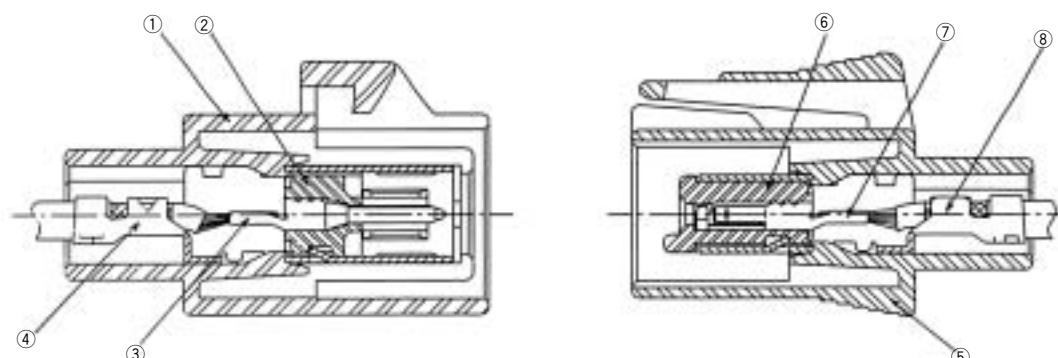
	Part Number	Part	Number Used	Material	Finish
PARTS LIST					
1	GT1-1P-HU	Housing	1	PA(UL94V-0)	—
2		Insulator	1	PBT(UL94V-0)	—
3	GT1-1P-2428/1.6C	Crimp terminal	1	Brass	Tin plating
4		Outer terminal	1	Brass	Tin plating
5	GT1-1S-HU	Housing	1	PA(UL94V-0)	—
6		Insulator	1	PBT(UL94V-0)	—
7	GT1-1S-2428/1.6C	Crimp terminal	1	Phosphor bronze	Tin plating
8		Outer terminal	1	Brass	Tin plating

HRS

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

GT 1　GT 5　GT 13　GT 16　PO5G　GT 11　GT 14　GT 17　GT 19N　GT 2　GT 3　GT 6W　GT 7　GT 10　GT 12　GT 18W　GT 15　GT 8　GT 9

◆Termination sequence
● Coaxial Cable Terminal Finish Diagram
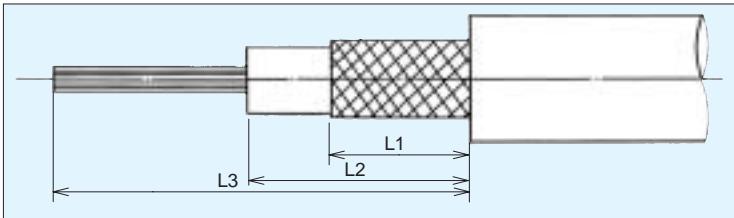
| Strip Length									
Part Number	CL No.	L1	L2	L3	Part Number	CL No.	L1	L2	L3
GT1-1S-2428/1.6C	751-0001-3				GT1-1S-30/2.9C	751-0032-7			
GT1-1P-2428/1.6C	751-0002-6	3.8	6	10.5	GT1-1P-30/2.9C	751-0031-4			
GT1-1S-30/1.6C	751-0029-2				GT1-1S-2428/F5C	751-0033-0	4.9	6.8	11.3
GT1-1P-30/1.6C	751-0030-1				GT1-1P-2428/F5C	751-0034-2			
GT1-1S-2022/2.9C	751-0015-8	4.9	6.8	11.3	GT1-1S-30/F5C	751-0037-0			
GT1-1P-2022/2.9C	751-0014-5				GT1-1P-30/F5C	751-0038-3			

①**Crimp the cable to the terminal.**
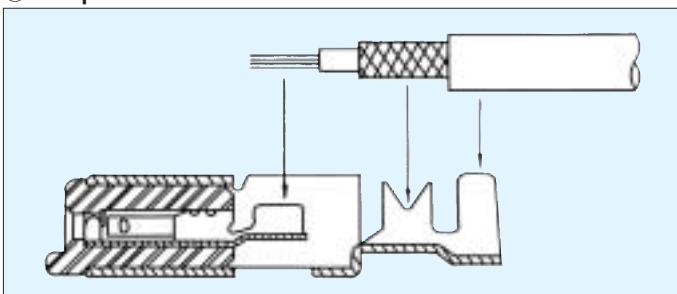
②**Insert the terminal in the housing until is fully locked.**
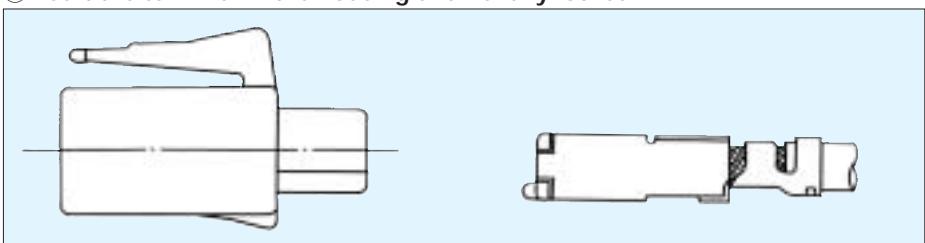
③**Completion**
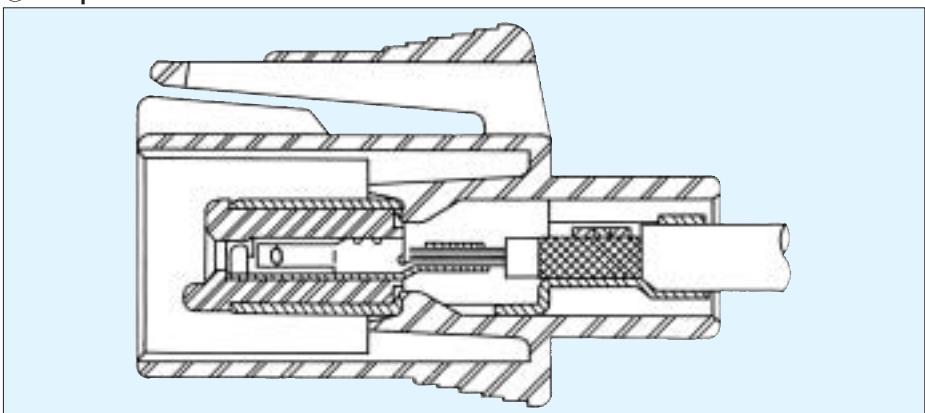
GT1 Series

# Terminals for coaxial shielded cable

■ F Connector Terminals
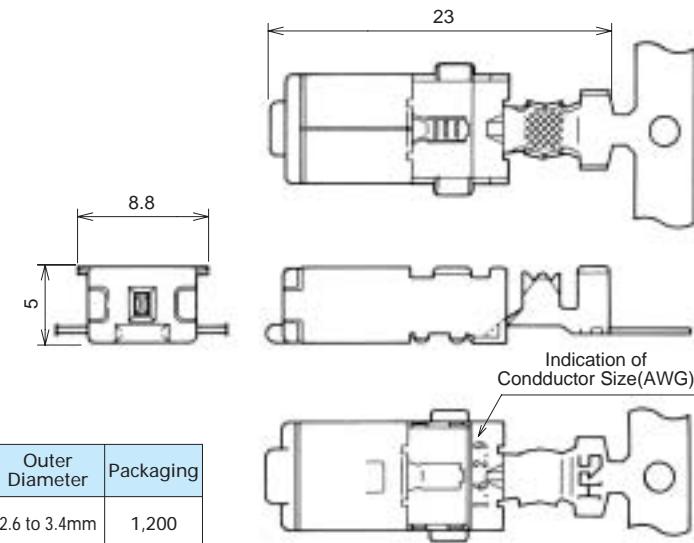
23

8.8

5

Indication of
Condductor Size(AWG)

Part Number	CL No.	Conductor Size (AWG)	Inner Insulator Diameter	Outer Diameter	Packaging
GT1-1S-2428/1.6C	751-0001-3	#24 to 28 or equivalent	1.5 to 2.0mm	2.6 to 3.4mm	1,200
GT1-1S-30/1.6C	751-0029-2	#30 or equivalent			
GT1-1S-2022/2.9C	751-0015-8	#20 to 22 or equivalent	2.8 to 3.5mm	4.6 to 5.0mm	800
GT1-1S-30/2.9C	751-0032-7	#30 or equivalent			
* GT1-1S-2428/F5C	751-0033-0	#24 to 28 or equivalent	2.5 to 3.5mm		
* GT1-1S-30/F5C	751-0037-0	#30 or equivalent			
GT1-1S-2428/F4C	751-0046-1	#24 to 28 or equivalent	4.0mm		

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

Item	Material	Finish
Insulator	PBT	Color: Dark gray
Crimp terminal	Brass	Tin plating
Outer terminal	Brass	Tin plating

■ M Connector Terminals

24.25

10.4

6.2

Indication of
Condductor Size(AWG)
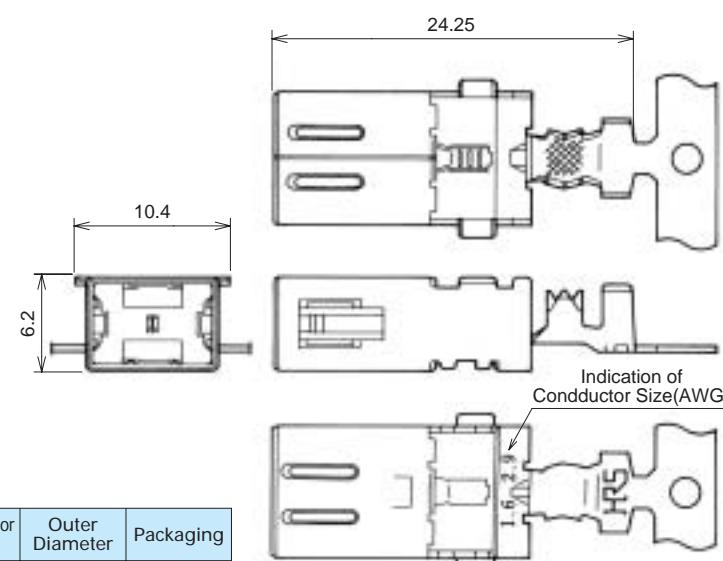
Part Number	CL No.	Conductor Size (AWG)	Inner Insulator Diameter	Outer Diameter	Packaging
GT1-1P-2428/1.6C	751-0002-6	#24 to 28 or equivalent	1.5 to 2.0mm	2.6 to 3.4mm	800
GT1-1P-30/1.6C	751-0030-1	#30 or equivalent			
GT1-1P-2022/2.9C	751-0014-5	#20 to 22 or equivalent	2.8 to 3.5mm	4.6 to 5.0mm	600
GT1-1P-30/2.9C	751-0031-4	#30 or equivalent			
* GT1-1P-2428/F5C	751-0034-2	#24 to 28 or equivalent	2.5 to 3.5mm		
* GT1-1P-30/F5C	751-0038-3	#30 or equivalent			
GT1-1P-2428/F4C	751-0047-4	#24 to 28 or equivalent	4.0mm		

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

Item	Material	Finish
Insulator	PBT	Color: Dark gray
Crimp terminal	Brass	Tin plating
Outer terminal	Brass	Tin plating

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HRS

For Single-Conductor coaxial shielded cable

■ F Connectors
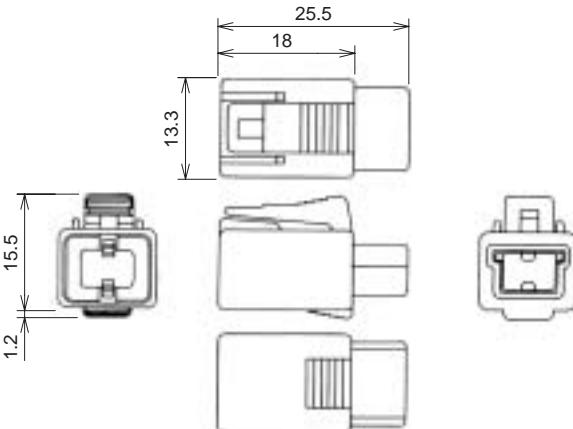
● Housing

Part Number	CL No.	Material	Color
GT1-1S-HU	751-0003-9	PA	Light gray

■ M Connectors

● Housing
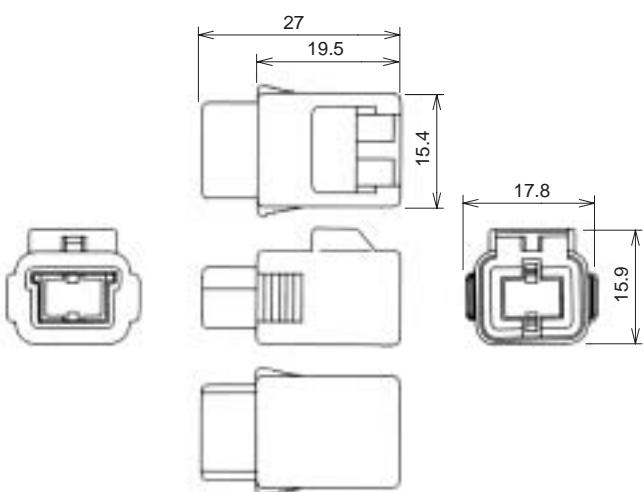
Part Number	CL No.	Material	Color
GT1-1P-HU	751-0004-1	PA	Light gray

● Panel Housing
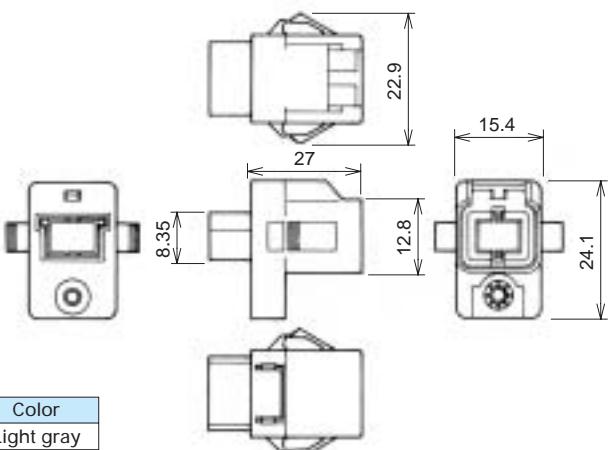
Part Number	CL No.	Item	Material	Finish	Color
GT1-1PP-HU	751-0007-0	Housing	PA	—	Light gray
		Ground plate	Brass	Tin plating	—
		Press fitting nut	Brass	Nickel	—

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

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GT 18W
GT 15
GT 8
GT 9

GT1 Series

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

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PO5G
GT 11
GT 14
GT 17
GT 19N
GT 2
GT 3
GT 6W
GT 7
GT 10
GT 12
GT 18W
GT 15
GT 8
GT 9

● Printed Circuit Type (Right angle through hole type)

◆Recommended Board Mounting Pattern

24
19
13.5
15.4
16.4
4.9±0.05
2-φ3.4
φ1.2$^{+0.1}_{0}$
19±0.1
5.08±0.05
φ1.4$^{+0.1}_{0}$

For outer conductor

For inner conductor
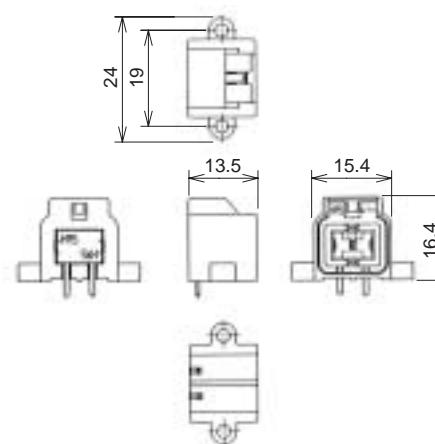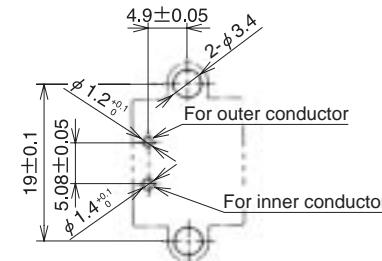
Part Number	CL No.	Item	Material	Finish	Color
GT1-1P-DS	751-0006-7	Housing	PBT	—	Light gray
		Insulator	PBT	—	Dark gray
		0.64X1.1 Terminal	Brass	Tin plating	—
		Outer terminal	Brass	Tin plating	—
		Ground terminal	Stainless	—	—

Use mounting screws of M3 with nominal diameter 3L-6 (for a panel thickness of 0.16mm)

● Printed Circuit Type (Straight through hole type)

◆Recommended Board Mounting Pattern

19
16.5
13.5
24
15.4
15.9
19±0.1
5.08±0.05
4-φ1.2$^{+0.1}_{0}$
2-φ3.4
5.65±0.05
φ1.4$^{+0.1}_{0}$

For outer conductor

For inner conductor
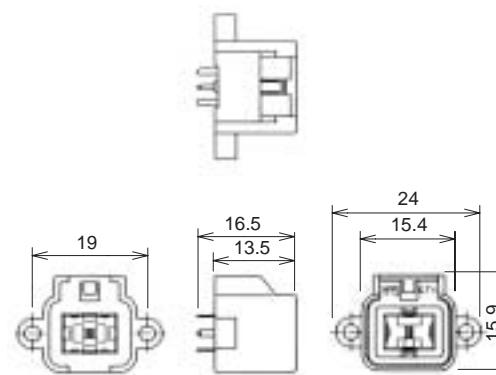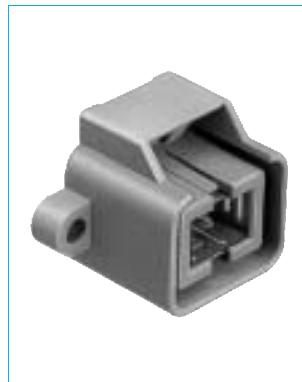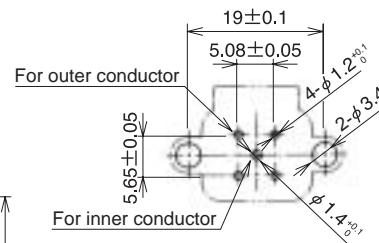
| Part Number	CL No.	Item	Material	Finish	Color
GT1-1P-DSA	751-0005-4	Housing	PBT	—	Light gray
		Insulator	PBT	—	Dark gray
		0.64X1.1 Terminal	Brass	Tin plating	—
		Outer terminal	Brass	Tin plating	—

Use mounting screws of M3 with nominal diameter 3L-6 (for a panel thickness of 0.16mm)

HRS

For Single-Conductor coaxial shielded cable

## �■ F Connector

● Housing (Integrated retainer type)
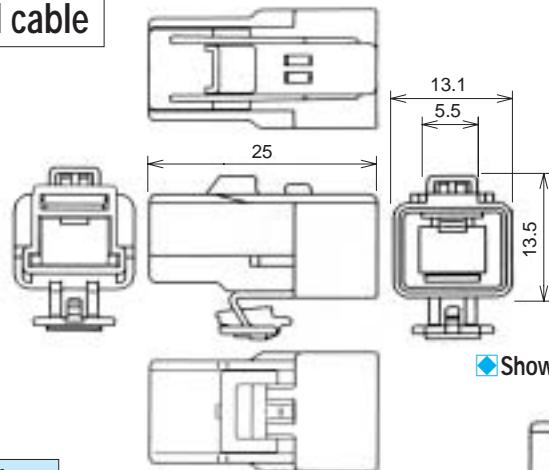
◆ Shown with inserted retainer
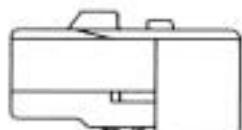
Part Number	CL No.	Material	Color
GT1K-1S-HU	751-0016-0	PBT	Light gray

Note: Mates only with GT1K-1P-DS and GT1K-1PA-DS.
* Refer to Page 14 for use of the GT1K-1P-HU retainer.

�■ M Connectors

● Printed Circuit Board Type
### (Right-angle through hole, top lock type)

◆ Recommended Board Mounting Pattern

For outer conductor
For inner conductor
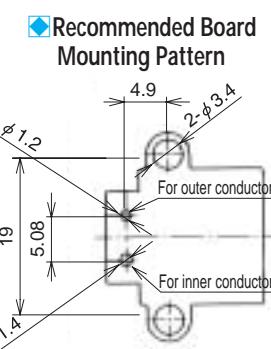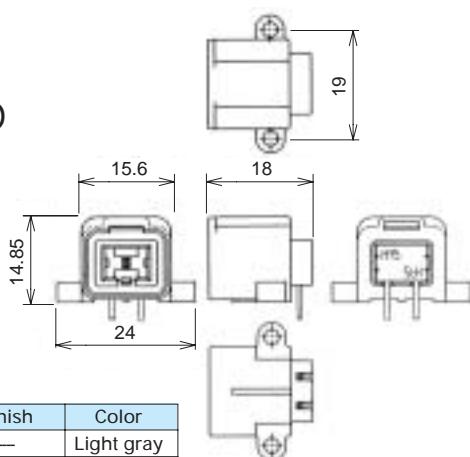
Part Number	CL No.	Item	Material	Finish	Color
GT1K-1P-DS	751-0017-3	Housing	PBT	—	Light gray
		Insulator	PBT	—	Dark gray
		0.64X1.1 Terminal	Brass	Tin plating	—
		Outer terminal	Brass	Tin plating	—
		Cover	Stainless	Nickel	—

Note 1: Mates only with GT1K-1S-HU.
Note 2: Use mounting screws of M3 with nominal diameter 3L-6 (for a panel thickness of 0.16mm)

● Printed Circuit Board Type
### (Right-angle through hole, side lock type)

◆ Recommended Board Mounting Pattern

For inner conductor
$\phi 1.4^{+0.1}_{0}$
For outer conductor
2- $\phi 1.2^{+0.1}_{0}$
Panel
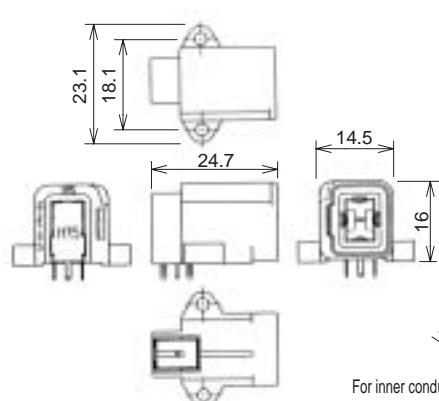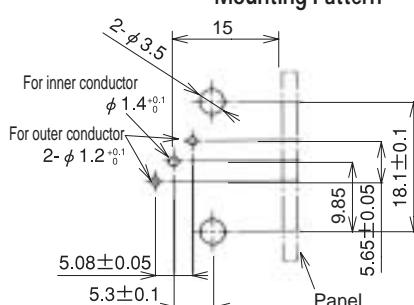
Part Number	CL No.	Item	Material	Finish	Color
GT1K-1PA-DS	751-0035-5	Housing	PBT	—	Light gray
		Insulator	PBT	—	Dark gray
		0.64X1.1 Terminal	Brass	Tin plating	—
		Outer terminal	Brass	Tin plating	—

Note 1: Mates only with GT1K-1S-HU.
Note 2: Use mounting screws of M3 with nominal diameter 3L-6 (for a panel thickness of 0.16mm)

GT1 Series

◆Method of Using the GT1K-1S Retainer

|	
a. Insert so that the terminal locking tab is inserted between the top surface of the terminal and the housing.	
b. Push in while changing the angle of the retainer until the front surface comes to a stop.	
c. Press the rear portion of the retainer and snap it into the locked position.	
d. If locking is not complete, press the rear portion of the retainer again while pulling it backward.	
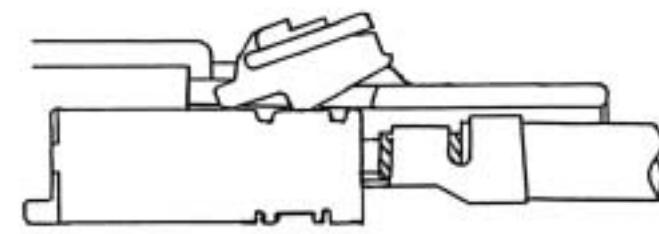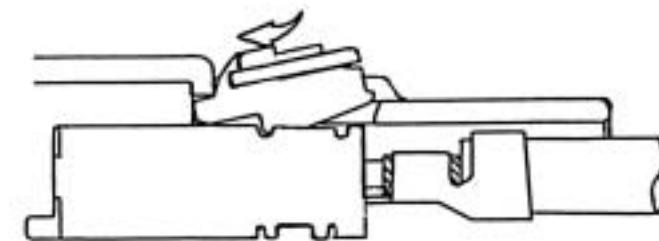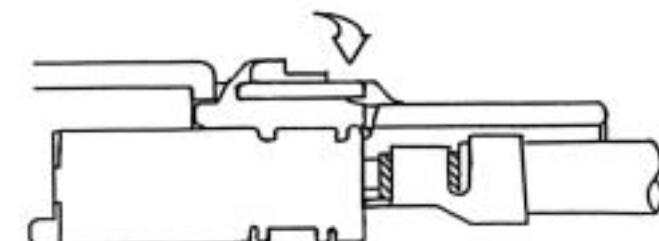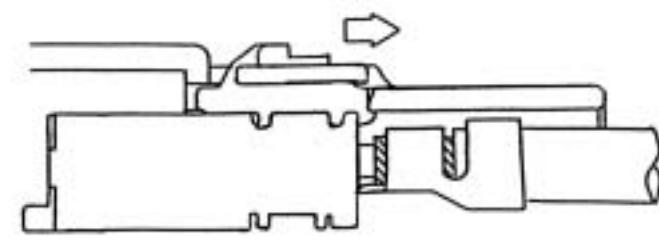
* Check that all locations are locked.

HRS

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

GT 1 GT 5 GT 13 GT 16 PO5G GT 11 GT 14 GT 17 GT 19N GT 2 GT 3 GT 6W GT 7 GT 10 GT 12 GT 18W GT 15 GT 8 GT 9

Two-position type-Each Single-Conductor coaxial Cable

■ F Connectors

● Housings

Part Number	CL Number	Material	Color
GT1-2S-HU	751-0011-7		Light gray
GT1-2S-HU(20)	751-0011-7-20	PBT	Orange
GT1-2S-HU(21)	751-0011-7-21		Blue
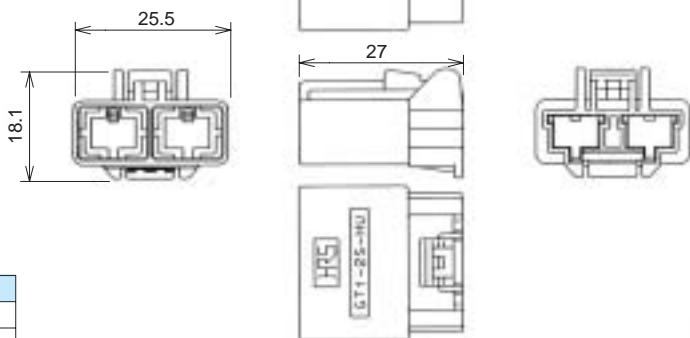
Note: Retainer is optional.

● Retainers (Used with GT1-2S-HU)

Part Number
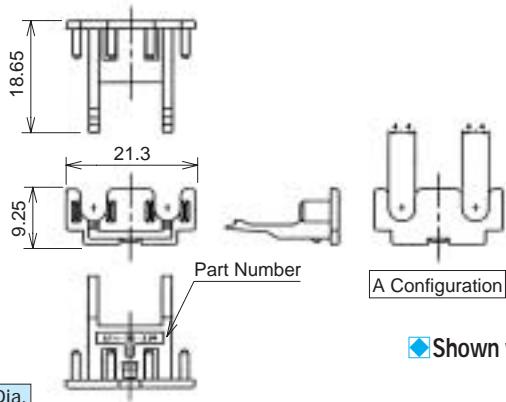
A Configuration

◆ Shown with inserted retainer

A Configuration	Part Number	CL No.	Material	Color	Cable Dia. ϕA	Cable Dia. ϕB
	GT1-2S-33R	751-0045-9		White	ϕ3	ϕ3
	GT1-2S-53R	751-0043-3	PBT	Dark gray	ϕ5	ϕ3
	GT1-2S-55R	751-0044-6		Light blue	ϕ5	ϕ5

ϕA ϕB

Note 1: This item should be mounted to the GT1-2PP-HU housing after the insertion of terminals.
Note 2: Retainer is optional.
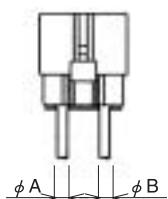
● Retainer (used with GT1-2S-HU and GT1-2PP-HU)
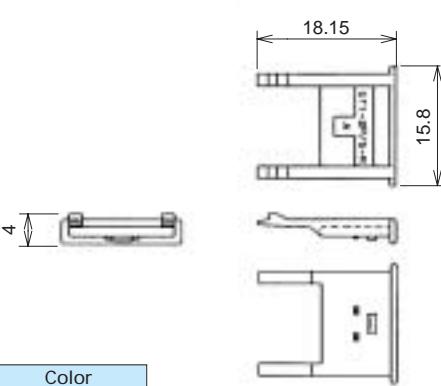
◆ **GT1-2S-HU**
Shown with temporarily inserted retainer
30.55
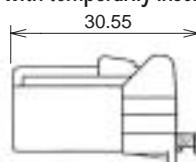
◆ **GT1-2PP-HU**
Shown with temporarily inserted retainer
35.55
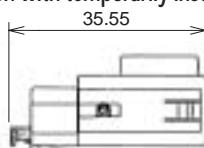
Part Number	CL Number	Material	Color
GT1-2P/S-R	751-0013-2	PBT	Dark gray

Note: Mount this item after provisional insertion into the housing, or after terminal insertion.

HRS

■ M Connectors

● Housings

32　**30.7**　**18.3**

Mounting bracket attachment side

Ground terminal

◆ **Recommended Mounting Bracket Dimensions (T=1.5mm)**

17.75　2.6±0.05　$1.5^{0}_{-0.05}$　2.8　5　0.6　1　1.5　6.8　1.6　4.2　7.8　$9.8^{0}_{-0.1}$　$1.3^{0}_{-0.1}$　14.5　8　5

Tin plating
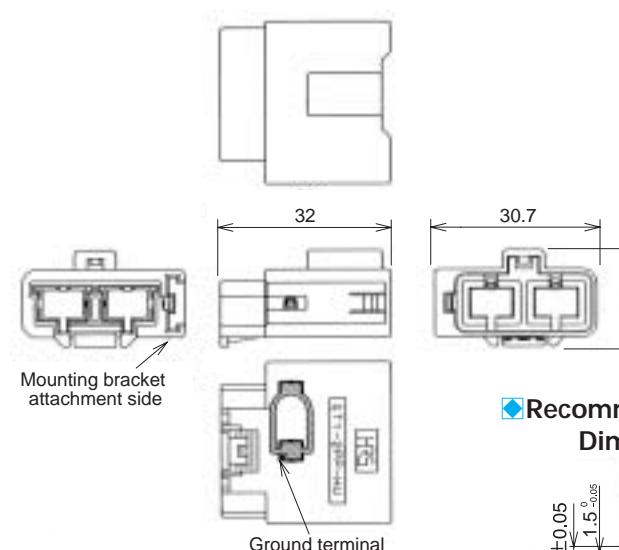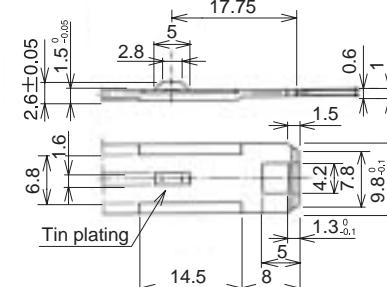
Part Number	CL No.	Color	Remarks
GT1-2PP-HU	751-0010-4	Light gray	With ground terminal
GT1-2PP-HU(10)	751-0010-4-10	Light gray	Without ground terminal
GT1-2PP-HU(20)	751-0010-4-20	Orange	With ground terminal
GT1-2PP-HU(21)	751-0010-4-21	Blue	With ground terminal
GT1-2PP-HU(40)	751-0010-4-40	Orange	Without ground terminal
GT1-2PP-HU(41)	751-0010-4-41	Blue	Without ground terminal

Note: Retainer is optional.

Item	Material	Finish
Housing	PBT	Color: Light gray
		Color: Orange
		Color: Blue
Ground terminal	Brass	Tin plating

● Retainers (Used with GT1-2PP-HU)

18.65　**22.95**　**10.45**

Part Number

A Configuration

◆ **Shown with inserted retainer**

Bracket Mounting portion

ϕA　ϕB

A Configuration	Part Number	CL No.	Color	Cable Dia.	
				ϕA	ϕB
	GT1-2PP-33R	751-0042-0	White	ϕ3	ϕ3
	GT1-2PP-53R	751-0040-5	Dark gray	ϕ5	ϕ5
	GT1-2PP-55R	751-0041-8	Light blue	ϕ5	ϕ3

Material	Color
PBT	White
	Dark gray
	Light blue

Note 1: This item should be mounted to the GT1-2PP-HU housing after the insertion of terminals.
Note 2: Retainer is optional.
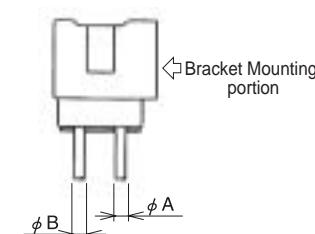
Power Supply Terminals

■ F Connector Terminals
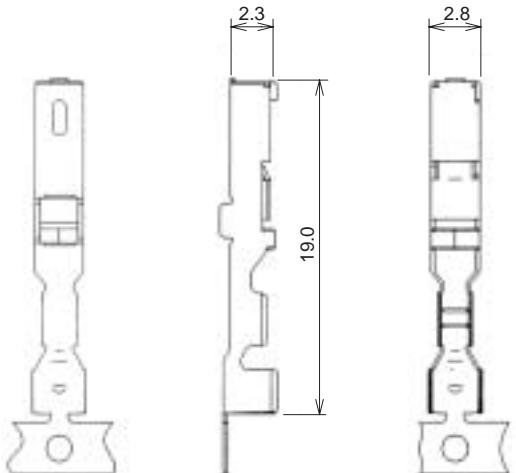
Part Number	CL No.	Conductor Size (AWG)	Inner Insulator Diameter	Dimension A	Packaging	Material	Finish
GT7-2022SCF	757-0001-1	#20 to 22	1.4 to 2.4mm	19	5,000	Copper alloy	Tin plating
GT7A-2022SCF	757-0003-7	#20 to 22	2.6 to 3.1mm		3,000		

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
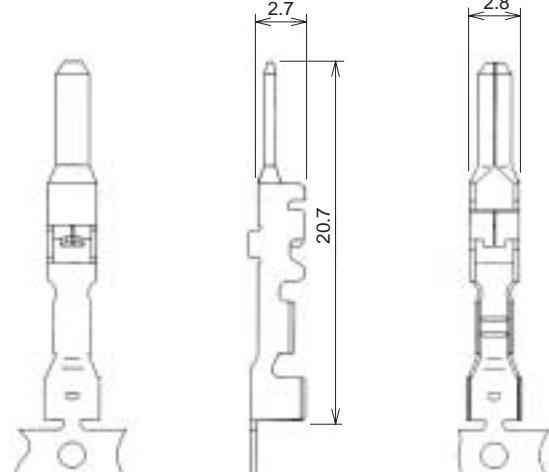
Part Number	CL No.	Conductor Size (AWG)	Inner Insulator Diameter	Dimension A	Packaging	Material	Finish
GT7-2022SCF	757-0001-1	#20 to 22	1.4 to 2.4mm	19	5,000	Copper alloy	Tin plating
GT7A-2022SCF	757-0003-7	#20 to 22	2.6 to 3.1mm		3,000		

Part Number	CL No.	Conductor Size (AWG)	Inner Insulator Diameter	Packaging	Material	Finish
GT7-1618PCF	* Reserved for product expansion	#16 to 18	1.8 to 2.7mm	3,000		
GT7-2022PCF	757-0002-4	#20 to 22	1.4 to 2.4mm	5,000	Brass	Tin plating
GT7A-2022PCF	757-0004-0	#20 to 22	2.6 to 3.1mm	3,000		

Note 1: Sold by the reel. (See above table for number of Packaging.)
Note 2: This component is used only with applicable HRS housings.

GT 1
GT 5
GT 13
GT 16
PO5G
GT 11
GT 14
GT 17
GT 19N
GT 2
GT 3
GT 6W
GT 7
GT 10
GT 12
GT 18W
GT 15
GT 8
GT 9

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

GT1 Series

Combination Type (One Single-Conductor Coaxial Cables + One Power contact)

■ F Connectors

● Housing

27

13.1

20.25

15.9
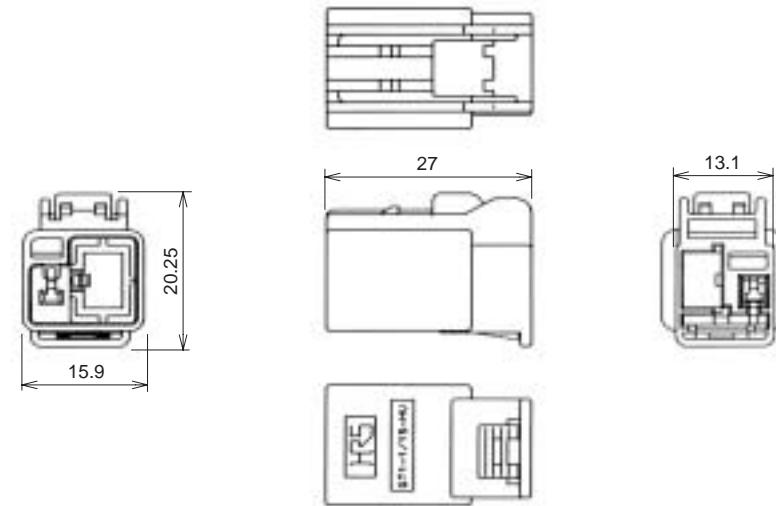
Part Number	CL No.	Material	Color
GT1-1/1S-HU	751-0026-4	PBT	Light gray

Note: Retainer is optional.

● Retainer (Used with GT1-1/1S-HU)

18.7

13.1

3.25
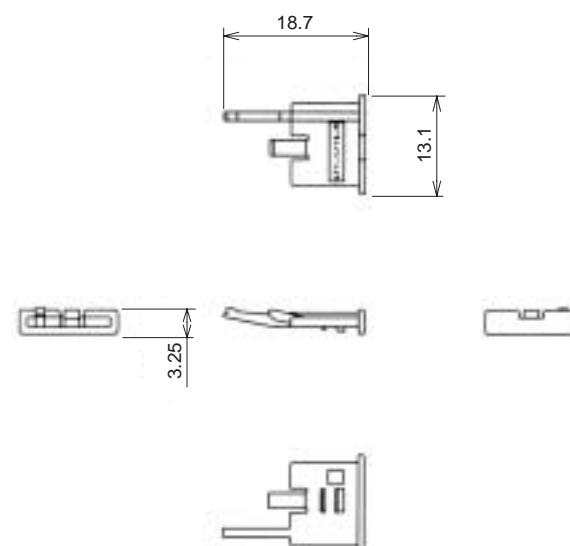
Part Number	CL Number	Material	Color
GT1-1/1S-R	751-0028-0	PBT	Dark gray

Note: Mount this item after provisional insertion into the housing, or after terminal insertion.

HRS

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

GT 1　GT 5　GT 13　GT 16　PO5G　GT 11　GT 14　GT 17　GT 19N　GT 2　GT 3　GT 6W　GT 7　GT 10　GT 12　GT 18W　GT 15　GT 8　GT 9

■ M Connectors

● Housings

◆ Recommended Mounting Bracket Dimensions (T=1.5mm)

Tin plating

Mounting bracket
attachment side
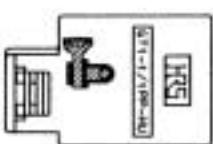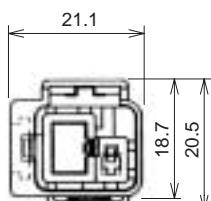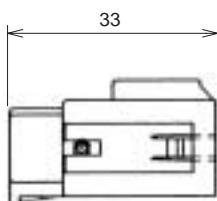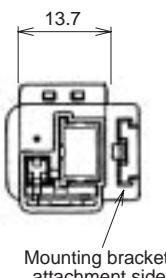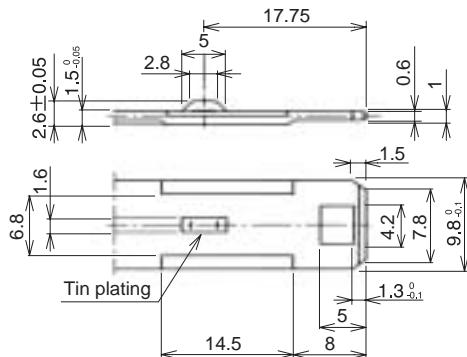
Part Number	CL No.	Mounting bracket attachment side	Remarks
GT1-1/1PP-HU	751-0025-1	1.5mm	With ground terminal
GT1-1/1PP-HU(10)	751-0025-1-10	1.5mm	Without ground terminal
GT1-1/1PP-HU(11)	751-0025-1-11	1.0mm	With ground terminal

Note: Used with separate retainer (GT1-1/1PP-R).

Item	Material	Finish
Housing	PBT	Light gray
Ground terminal	Phosphor bronze	Tin plating

● Retainer (exclusively for GT1-1/1PP-HU)
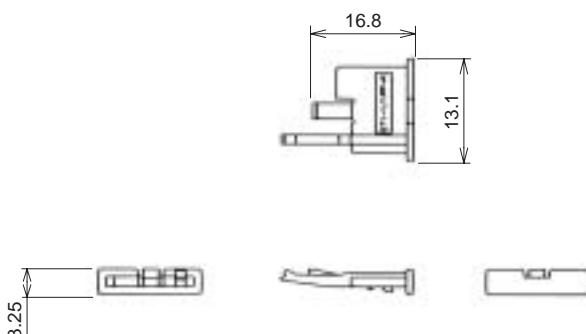
Part Number	CL Number	Material	Color
GT1-1/1PP-R	751-0027-7	PBT	Dark gray

Note: Mount this item after provisional insertion into the housing, or after terminal insertion.

GT 1
GT 5
GT 13
GT 16
PO5G
GT 11
GT 14
GT 17
GT 19N
GT 2
GT 3
GT 6W
GT 7
GT 10
GT 12
GT 18W
GT 15
GT 8
GT 9

Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines
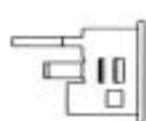
Combination Type (Two Single-Conductor Coaxial Cables + One Power contact)

■ F Connectors

● **Housing**
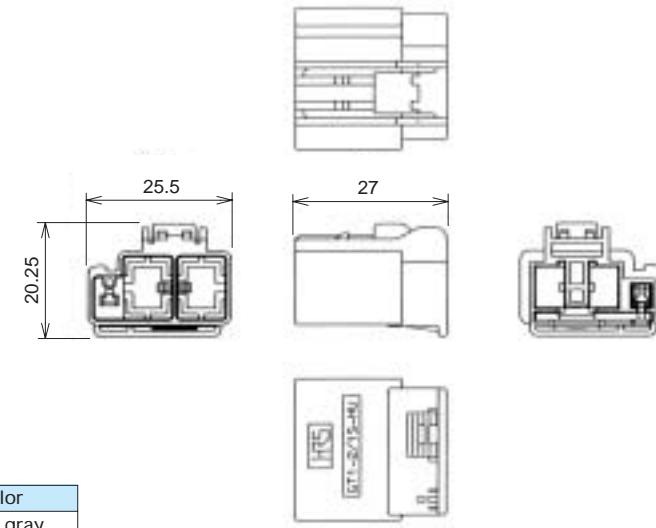
| Part Number	CL No.	Material	Color
GT1-2/1S-HU	751-0019-9	PBT	Light gray

Note1: Mates only with GT1-2/1PP-DS and GT1-2/1PP-HU.
Note2: Used with separate retainer (GT1-2/1S-R).

● **Retainer (used with GT1-2S-HU and GT1-2PP-HU)**
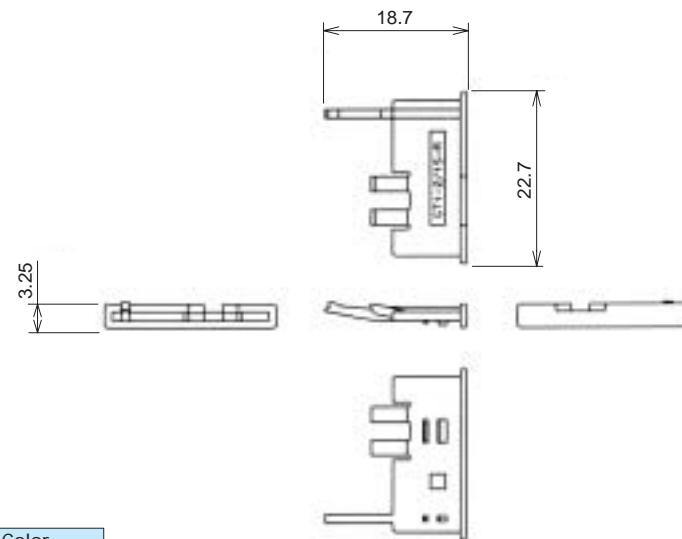
Part Number	CL No.	Material	Color
GT1-2/1S-R	751-0021-0	PBT	Dark gray

Note: Mount this item after provisional insertion into the housing, or after terminal insertion.

HRS

The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information.
All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hirose website RoHS search at www.hirose-connectors.com, or contact your Hirose sales representative.

GT1 Series

■ M Connectors

● Housings

Mounting bracket
attachment side
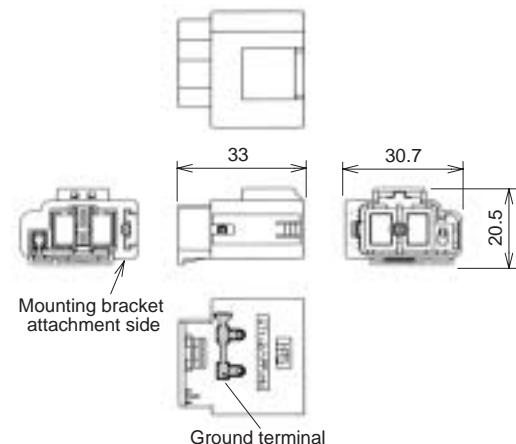
Ground terminal

◆ Recommended Mounting Bracket
Dimensions (T=1.5mm)

Part Number	CL No.	Mounting bracket attachment side	Remarks
GT1-2/1PP-HU	751-0018-6	1.5mm	With ground terminal
GT1-2/1PP-HU(10)	751-0018-6-10	1.5mm	Without ground terminal
GT1-2/1PP-HU(11)	751-0018-6-11	1.0mm	With ground terminal

Note1: Mates only with GT1-2/1S-HU.
Note2: Used with separate retainer (GT1-2/1PP-R).

Item	Material	Finish
Housing	PBT	Light gray
Ground terminal	Phosphor bronze	Tin plating

● Retainer (used with GT1-2/1PP-HU)
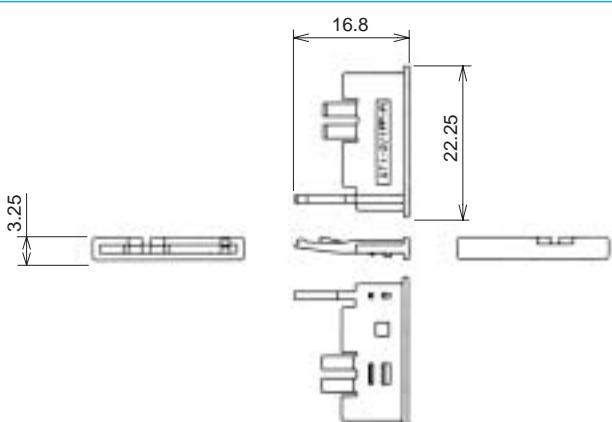
Part Number	CL Number	Material	Color
GT1-2/1PP-R	751-0020-8	PBT	Dark gray

Note: Mount this item after provisional insertion into the housing, or after terminal insertion.

● Printed Circuit Board Type

Ground terminal

Ground terminal

◆ Recommended Board
Mounting Pattern

Ground terminal $\phi 1.4^{+0.1}_{0}$
For inner conductor2- $\phi 1.4^{+0.1}_{0}$
For outer conductor4- $\phi 1.2^{+0.1}_{0}$
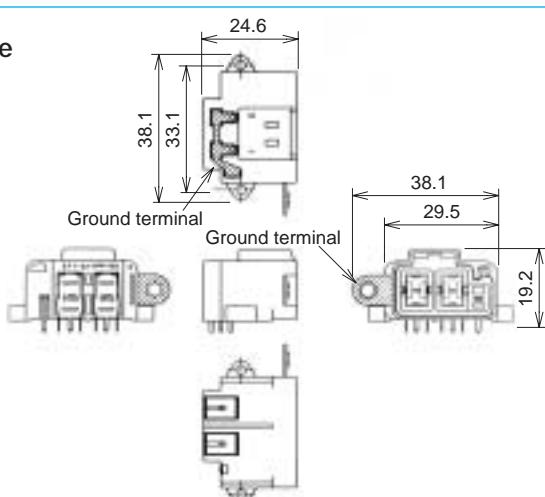
Panel

◆ Recommended Panel
Cut-out

Board
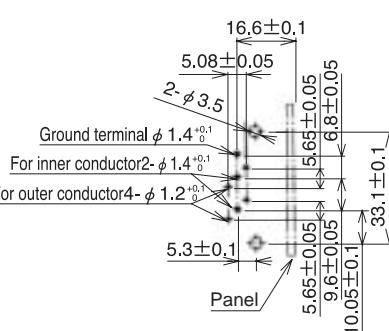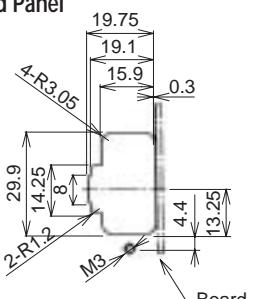
Part Number	CL No.	Part	Material	Finish	Color
GT1-2/1PP-DS	751-0022-3	Housing	PBT	—	Light gray
		Ground terminal	Phosphor bronze	Tin plating	—
		Ground plate	Brass	Tin plating	—
		Tub terminal for DS 070	Brass	Tin plating	—
		0.64X1.1 Terminal	Brass	Tin plating	—
		Insulator	PBT	—	Dark gray
		Outer terminal	Brass	Tin plating	—

Note1: Mates only with GT1-2/1PP-DS and GT1-2/1PP-HU.
Note 2: Use mounting screws of M3 with nominal diameter 3L-6 (for a panel thickness of 1.6mm)

HRS

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

GT 1
GT 5
GT 13
GT 16
PO5G
GT 11
GT 14
GT 17
GT 19N
GT 2
GT 3
GT 6W
GT 7
GT 10
GT 12
GT 18W
GT 15
GT 8
GT 9

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GT1 Series

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

GT 1
GT 5
GT 13
GT 16
PO5G
GT 11
GT 14
GT 17
GT 19N
GT 2
GT 3
GT 6W
GT 7
GT 10
GT 12
GT 18W
GT 15
GT 8
GT 9

Products Listed Below are of the Combination Type (Two Terminals for Use with Single-Conductor Shielded Cable + One Power Supply Terminal) with Key Positions that Differ from the Products Listed on Previous Pages

■ F Connectors

● Housings

25.5   27

20.25
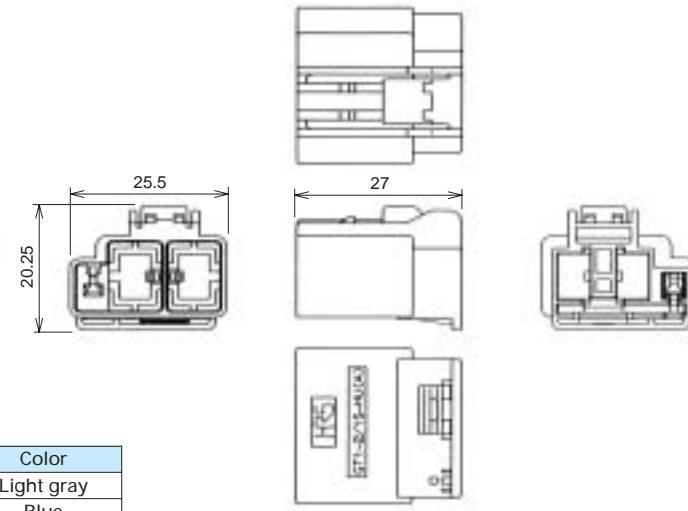
Part Number	CL No.	Material	Color
GT1-2/1S-HU(A)	751-0024-9	PBT	Light gray
GT1-2/1S-HU(A)(21)	751-0024-9-21	PBT	Blue

Note1: Mates only with GT1-2/1P-DS.
Note2: Used with separate retainer.

■ M Connectors
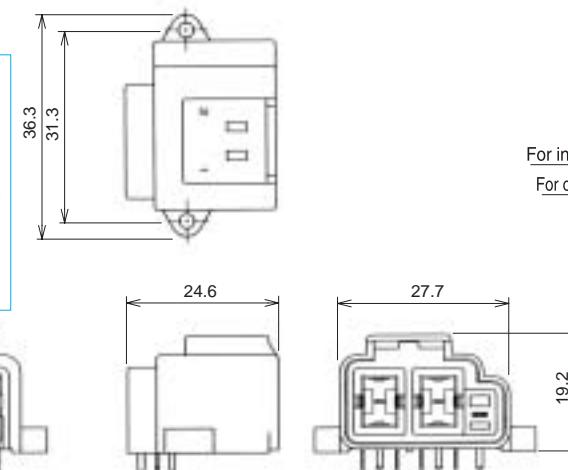
● Printed Circuit Board Type

36.3
31.3

24.6   27.7

19.2

◆ Recommended Board Mounting Pattern

18.4
5.08±0.05 MAX2
2-φ3.5
Ground terminal φ1.4 $^{+0.1}_{0}$
For inner conductor 2-φ1.4 $^{+0.1}_{0}$
For outer conductor 4-φ1.2 $^{+0.1}_{0}$
5.65±0.05
6.8±0.05
5.65±0.05
31.3±0.1
5.3±0.1
5.65±0.05
9.6±0.05
8.25
Panel

◆ Recommended Panel Cut-out

19.75
19.1
15.9
12.25
2-R1.2
28.1
23.9
14.25
8
11.45
31.3
4-R3.05
0.3
1.6
Board
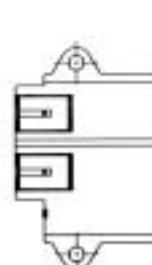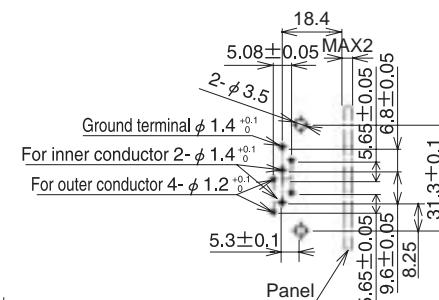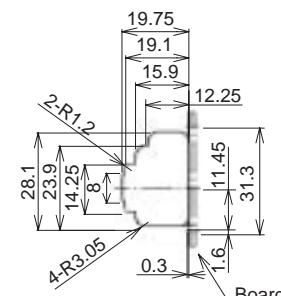
Item	Material	Finish	Color
Housing	PBT	—	Light gray
		—	Blue
0.64X1.1 Terminal	Brass	Tin plating	—
Insulator	PBT	—	Dark gray
Outer terminal	Brass	Tin plating	—
Tub terminal for DS 070	Brass	Tin plating	—

| Part Number	CL No.	Color
GT1-2/1P-DS	751-0023-6	Light gray
GT1-2/1P-DS(21)	751-0023-6-21	Blue

Note1: Mates only with GT1-2/1S-HU(A).
Note 2: Use mounting screws of M3 with nominal diameter 3L-6 (for a panel thickness of 1.6mm)

HRS

◆Mating, Cross-Sectional View

● Examples of Printed Circuit Board Type and Cable Type

Mating, Top View

Cross Section AA

GT1-2/1P-DS+GT1-2/1S-HU(A)
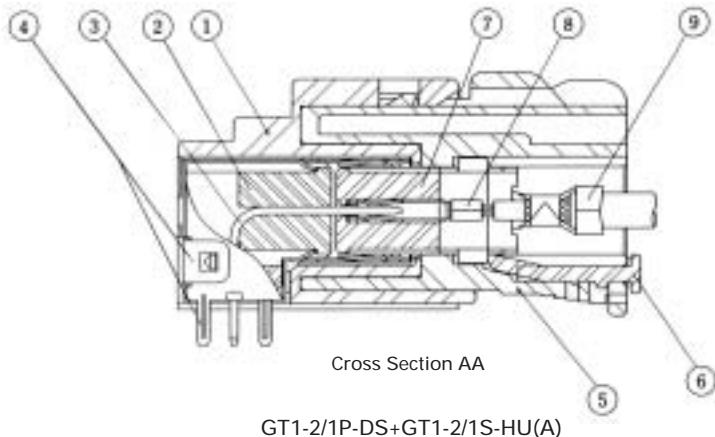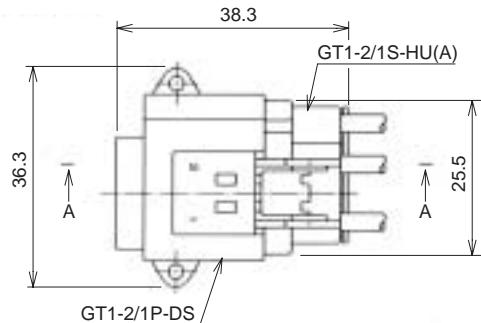
	Part Number	Part	Number Used	Material	Finish
1	GT1-2/1P-DS	Housing	1	PBT	UL94V-0
2		Insulator	2	PBT	UL94V-0
3		0.64 X 1.1 terminal	2	Brass	Tin plating
4		Outer terminal	2	Brass	Tin plating
5	GT1-2/1S-HU(A)	Housing	1	PBT	UL94V-0
6	GT1-2/1S-HU	Retainer	1	PBT	UL94V-0
7		Insulator	2	PBT	UL94V-0
8	GT1-1S-2428/1.6C	Crimp terminal	2	Phosphor bronze	Tin plating
9		Outer terminal	2	Brass	Tin plating

● Example of Cable-to-Cable Type

The coupled, cross-sectional view of the GT7 terminals of the GT1-2/1 Series appears below.

Cross Section AA

Mating, Top View
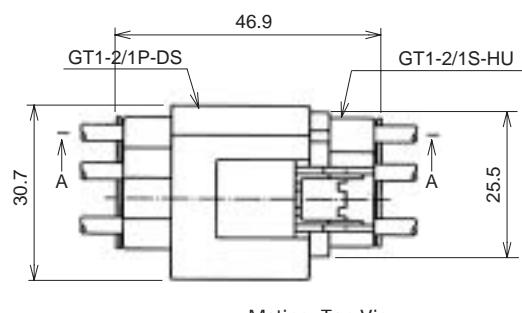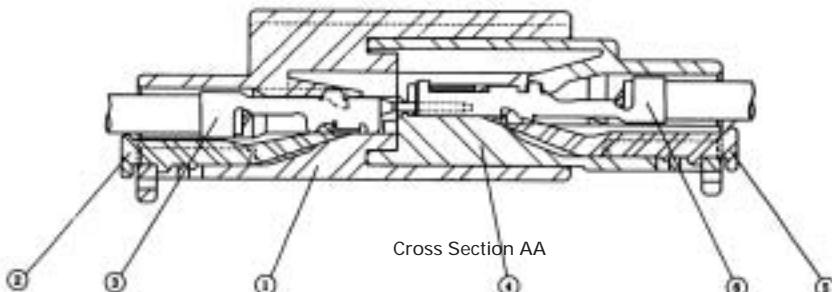
Currently, the GT7 Series terminals are used for the power supply of the GT1 Series combination type.
See Page 157 for details about the GT7 Series.

Part Number	Terminal
GT1-1/1S-HU	GT7-2022SCF, GT7A-2022SCF
GT1-2/1S-HU	
GT1-1/1PP-HU	GT7-2022PCF, GT7A-2022PCF
GT1-2/1PP-HU	

	Part Number
1	GT1-2/1PP-HU
2	GT1-2/1PP-R
3	GT7-2022PCF
4	GT1-2/1S-HU
5	GT1-2/1S-R
6	GT7-2022SCF

GT1 Series

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

GT 1
GT 5
GT 13
GT 16
PO5G
GT 11
GT 14
GT 17
GT 19N
GT 2
GT 3
GT 6W
GT 7
GT 10
GT 12
GT 18W
GT 15
GT 8
GT 9

■ Accessories

● Brackets (for M Connector Housing)

Part Number	CL No.	Material	Finish
GT-BK	751-0039-6	SPCC	Tin plating
GT-BK(01)	751-0039-6-01		Zinc plating

Note 1: This product can be attached to GT1-1PP-HU, GT1-1/1PP-HU, and GT1-2/1PP-HU.
Note 2: Please use the tin plated item when making a ground connection.

4.5   9.8
24.5
7.5
T=1
12   1.1
8

● F Terminal Shield Cover

Mounted Condition Installed
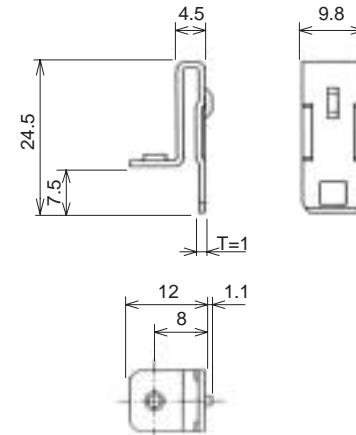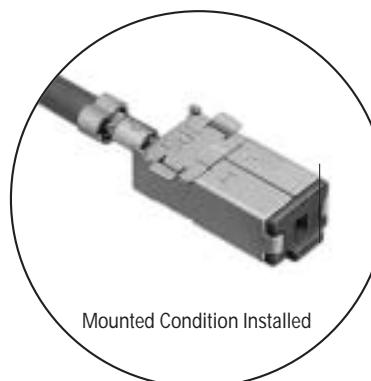
Part Number	CL No.	Item	Material	Finish
GT1-1S-1.6CSB	751-0009-5	Top Shield Cover	SPCC	Tin plating
		Bottom Shield Cover		Zinc plating

Note: This product cannot be used with GT1K-1S-HU.

5.85
7.1
4.1
6.2
7.1
3.9
(3.8)

● M Terminal Shield Plate

Mounted Condition Installed
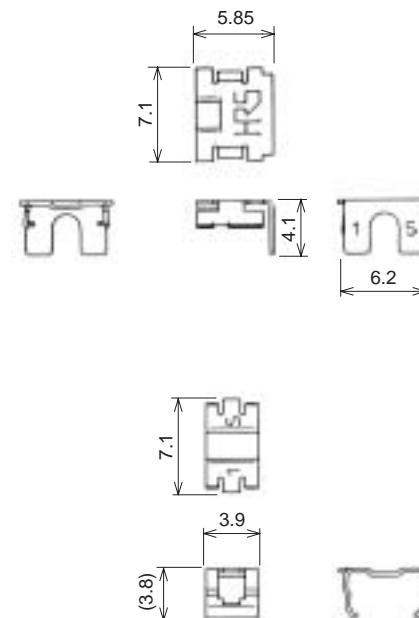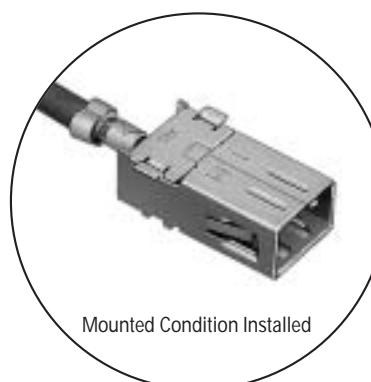
Part Number	CL No.	Item	Material	Finish
GT1-1P-1.6CSB	751-0008-2	Top Shield Cover	Brass	Tin plating
		Bottom Shield Cover		

Note: The product normally has sufficient performance without using the shield plate; however, when used in especially high frequency bands (e.g., 1 GHz and higher), use of the shield plate is recommended so that even higher shielding effectiveness may be obtained.

5.85
8.7
5.3
7.8
8.7
3.9
(5)
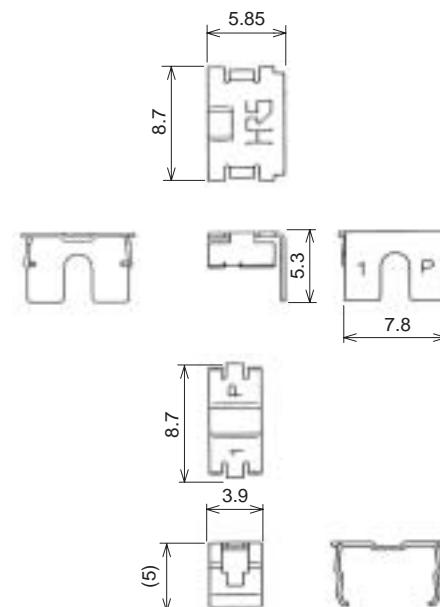
◆Termination Tools

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

Automatic Crimping Machine

Specifications

Item	Specification	Remarks
Specification	1.5ton	
Stroke Length	30mm	
Number of strokes	200spm(50Hz)	240spm(60Hz)
Weight	75kg	
Motor	0.2kW	AC100V
Crimping speed	2000 to 4000 per day	

Part Number CM-105

Hand Tool

Hand Press

●Harness Tools

Part No.	CL No.	Applicator Part No.	Hand Tool Part No.	Hand Press Part No.
GT1-1S-2428/1.6C	780-0001-9	Applicator 105-GT1-1S-2428	GT1-TA2428/1.6SHC	
GT1-1P-2428/1.6C	780-0008-8	Applicator 105-GT1-1P-2428	GT1-TA2428/1.6PHC	(Note) GT1 Table top twin crimper
GT1-1S-30/1.6C	—	Applicator 105-GT1-1S-30(Stranded Wire) Applicator 105-GT1-1S-30ID(Solid Wire)		
GT1-1P-30/1.6C	—	Applicator 105-GT1-1P-30(Stranded Wire) Applicator 105-GT1-1P-30ID(Solid Wire)		
GT1-1S-2022/2.2C	—	Applicator 105-GT1-2022/2.2S		
GT1-1P-2022/2.2C	—	Applicator 105-GT1-2022/2.2P		
GT1-1S-2022/2.9C	—	Applicator 105-GT1-2022/2.9S		
GT1-1P-2022/2.9C	—	Applicator 105-GT1-2022/2.9P		
GT1-1S-2428/F5C	—	Applicator 105-GT1-2428/F5CS(Solid Wire)		
GT1-1P-2428/F5C	—	Applicator 105-GT1-2428/F5CP(Solid Wire)		

*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.

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

GT 1
GT 5
GT 13
GT 16
PO5G
GT 11
GT 14
GT 17
GT 19N
GT 2
GT 3
GT 6W
GT 7
GT 10
GT 12
GT 18W
GT 15
GT 8
GT 9

◆Terminal Extraction Tool

1) For one lance

68

18

GT-PO(A)

①Insert the extraction tool from the coupling end.
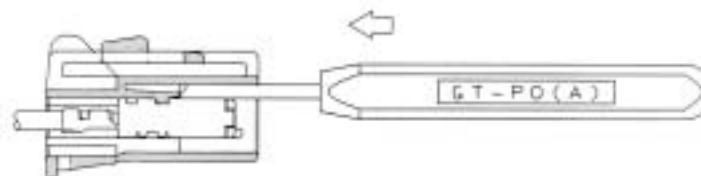
GT-PO(A)

②Push the lance upward and pull out the terminal.
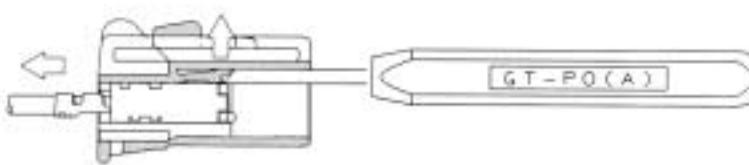
GT-PO(A)

| Part Number	CL No.	Used with connectors
GT-PO(A)	780-0006-2	GT1K-1S-HU GT1-2S-HU GT1-2PP-HU GT1-1/1S-HU GT1-1/1PP-HU GT1-2/1S-HU GT1-2/1PP-HU GT1-2/1S-HU(A)

2) For two lances

64
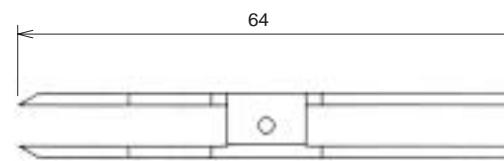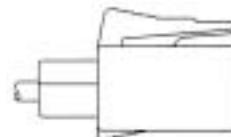
①Insert the extraction tool from the coupling end.
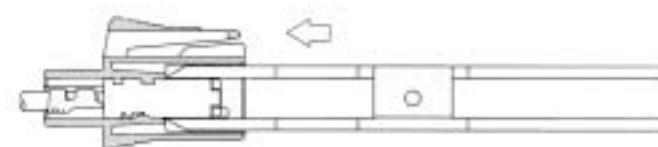
②Push and separate both lances and pull out the terminal.
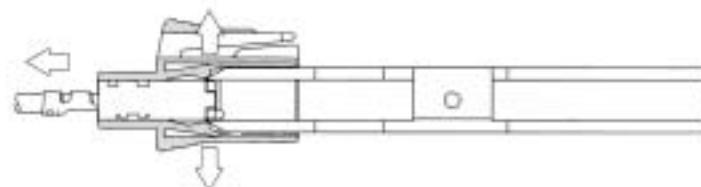
Part Number	CL No.	Used with connectors
GT1-C-PO	902-5020-1	GT1-1S-HU GT1-1P-HU GT1-1PP-HU

HRS

Mouser Electronics

Authorized Distributor

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Hirose Electric:

AP105-GT1-1P-30/1.6C(01) AP105-GT1-1S-30/1.6C(66) AP105-GT1-1S-2428/1.6C-WS AP105-GT1-1S-30/F5C-ID(71 AP105-GT1-1S-30/1.6C AP105-GT1-1P-30/1.6C(70) AP105-GT1-1P-2428/1.6C-WS AP105-GT1-1P-2428/1.6C(01 AP105-GT1-1P-30/1.6C(63) AP105-GT1-1S-2428/F4C-ID AP105-GT1-1S-30/1.6C(67) AP105-GT1-1S-30/1.6C(01) AP105-GT1-1P-2428/F4C-ID AP105-GT1-1S-30/1.6C(63) AP105-GT1-1P-30/F5C-ID(72 AP105-GT1-1S-30/1.6C(71) AP105-GT1-1S-30/1.6C-ID AP105-GT1-1P-2428/1.6C(72 AP105-GT1-1P-30/1.6C(65) AP105-GT1-1P-30/F5C-ID(01 AP105-GT1-1P-2428/F5C-ID AP105-GT1-1P-30/F5C-ID(71 AP105-GT1-1P-2428/1.6C(71 AP105-GT1-1P-30/F5C-ID(70 AP105-GT1-1P-30/1.6C(68) AP105-GT1-1S-30/F5C-ID(72 AP105-GT1-1P-30/F5C-ID AP105-GT1-1S-30/1.6C(90) AP105-GT1-1S-30/F5C-ID(69 AP105-GT1-1S-30/F5C-ID(70 AP105-GT1-1S-2428/1.6C(69 AP105-GT1-1S-2428/1.6C AP105-GT1-1P-2022/2.9C AP105-GT1-1P-30/F5C-ID(69 AP105-GT1-1S-2428/F5C-ID AP105-GT1-1P-30/1.6C(72) AP105-GT1-1S-2022/2.9C AP105-GT1-1S-30/F5C-ID AP105-GT1-1S-2428/1.6C(71 AP105-GT1-1S-30/1.6C(64) AP105-GT1-1P-30/1.6C(61) AP105-GT1-1S-30/1.6C(65) AP105-GT1-1P-30/1.6C AP105-GT1-1S-2428/1.6C(72 AP105-GT1-1P-2428/1.6C(69 AP105-GT1-1S-30/1.6C(68) AP105-GT1-1S-30/1.6C(69) AP105-GT1-2022/2.9P AP105-GT1-1P-2428/1.6C(70 AP105-GT1-1P-30/1.6C(66) AP105-GT1-1P-30/1.6C(64) AP105-GT1-1S-2428/1.6C(70 AP105-GT1-1S-2428/1.6C(01 AP105-GT1-1S-30/1.6C(61) AP105-GT1-1S-30/F5C-ID(01 AP105-GT1-1S-30/1.6C(62) AP105-GT1-1S-30/1.6C(72) AP105-GT1-1P-30/1.6C(62) AP105-GT1-1S-30/1.6C(70) AP105-GT1-1P-30/1.6C(67) AP105-GT1-1P-30/1.6C(71) AP105-GT1-1P-30/1.6C(69) AP105-GT1-1P-30/1.6C(90) AP105-GT1-2022/2.2S AP105-GT1-1P-2428/1.6C(62) AP105-GT1-1P-2428/1.6C(63) AP105-GT1-1P-2428/1.6C(64) AP105-GT1-1P-2428/1.6C(65) AP105-GT1-1P-2428/1.6C(66) AP105-GT1-1P-2428/1.6C(67) AP105-GT1-1P-2428/1.6C(68) AP105-GT1-1P-30/F5C-ID(61) AP105-GT1-1P-30/F5C-ID(62) AP105-GT1-1P-30/F5C-ID(63) AP105-GT1-1P-30/F5C-ID(64) AP105-GT1-1P-30/F5C-ID(65) AP105-GT1-1P-30/F5C-ID(66) AP105-GT1-1P-30/F5C-ID(67) AP105-GT1-1P-30/F5C-ID(68) AP105-GT1-1S-2428/1.6C(61) AP105-GT1-1S-2428/1.6C(62) AP105-GT1-1S-2428/1.6C(63) AP105-GT1-1S-2428/1.6C(64) AP105-GT1-1S-2428/1.6C(65) AP105-GT1-1S-2428/1.6C(66) AP105-GT1-1S-2428/1.6C(67) AP105-GT1-1S-2428/1.6C(68) AP105-GT1-1S-30/F5C-ID(61) AP105-GT1-1S-30/F5C-ID(62) AP105-GT1-1S-30/F5C-ID(63) AP105-GT1-1S-30/F5C-ID(64) AP105-GT1-1S-30/F5C-ID(65) AP105-GT1-1S-30/F5C-ID(66) AP105-GT1-1S-30/F5C-ID(67) AP105-GT1-1S-30/F5C-ID(68) AP105-GT1-1P-2428/1.6C(61)