Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

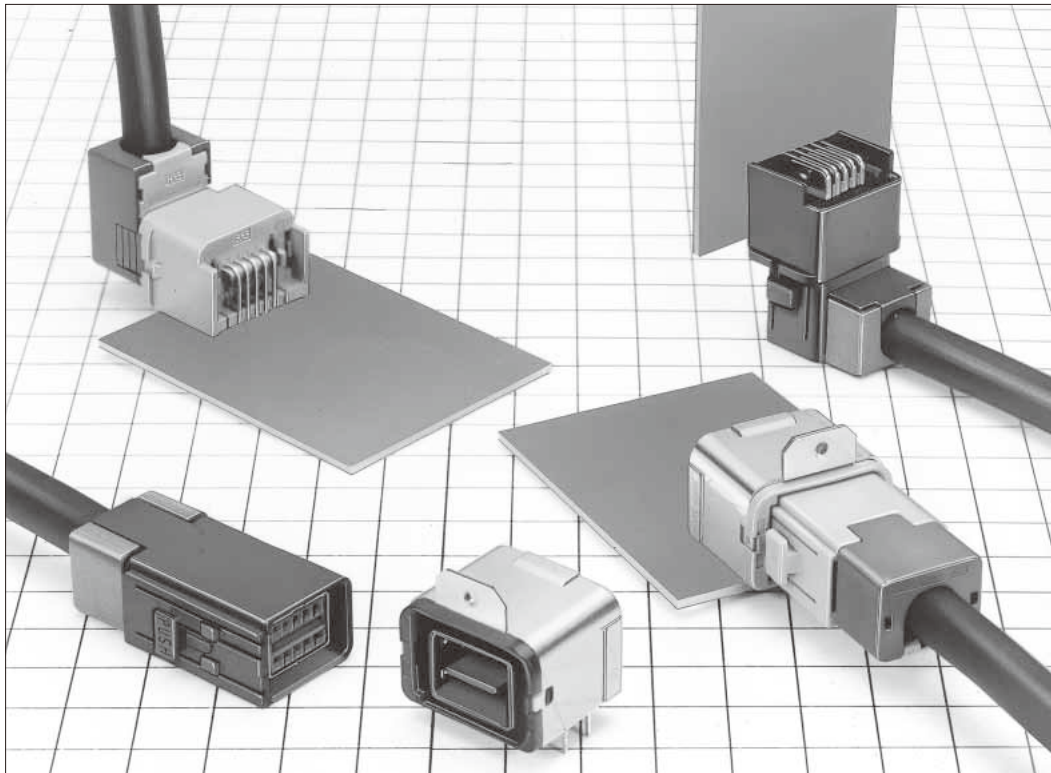## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

GT17 Series

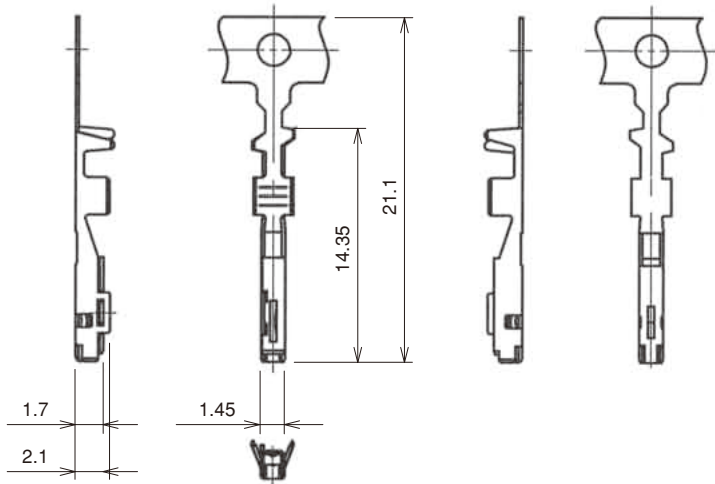## — Automotive Shielded Connector — (2mm Pitch)

■ Features

- ● **All surface shielded construction.**
- ● **Ideal for use as automotive USB connectors.**

■ Applications

In-car data communications, etc.
(For USB2.0, LVDS)

■ F Connectors

● Center Terminals
(Used with 6, 8, and 10 pos. cable)

21.1

14.35

1.7

2.1

1.45

Part No.	HRS No.	Material	Plating	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT17-2022SCF	767-0009-0	Copper alloy	Tin plating	20 to 22 AWG	φ 1.1 to 1.3	10,000 pcs/reel	YES
GT17-2428SCF	767-0010-0			24 to 28 AWG	φ 0.7 to 1.0		
GT17-30SCF	767-0064-9			30 AWG	φ 1.1 to 1.3		
GT17B-2428SCF	767-0122-3			24 to 28 AWG	φ 0.5 to 0.7		

■ M Connectors

● Center Terminals
(Used with 6, and 10 pos. cable)
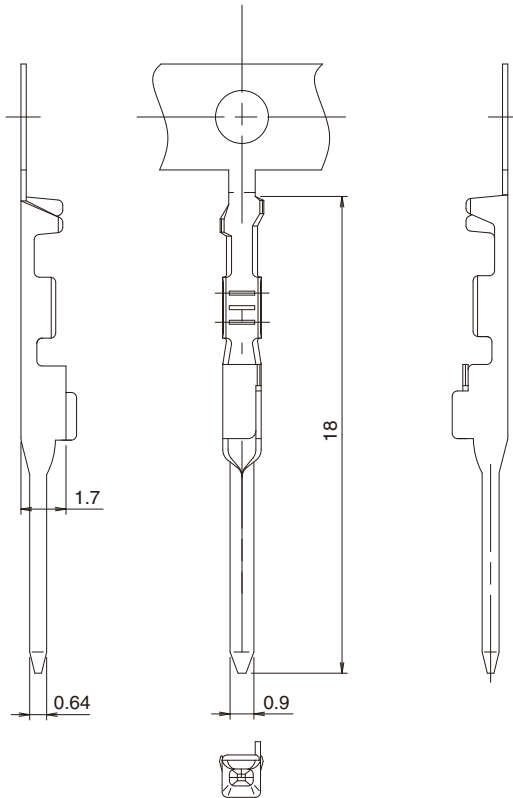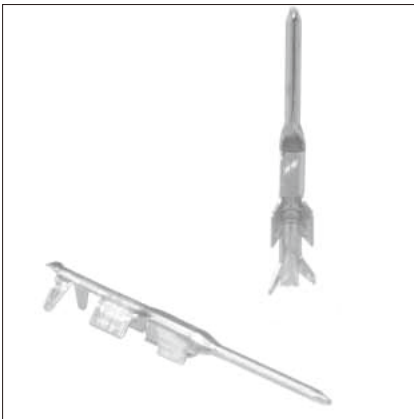
18

1.7

0.64

0.9

Part No.	HRS No.	Material	Plating	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT17-2022PCF	767-0082-0	Brass	Tin plating	20 to 22 AWG	φ 1.1 to 1.3	10,000 pcs/reel	YES
GT17-2428PCF	767-0076-8			24 to 28 AWG	φ 0.7 to 1.0		
GT17A-2428PCF	767-0121-0				φ 1.1 to 1.3		

GT5
GT13
GT16
PO5G
GT19
GT21
GT26
GT36
GT11
For Network, High speed communication
GT17
GT32
GT3
GT7
GT10
GT18W
GT25
GT8E
GT9
GT15

■ 6 Pos. Straight Connectors

◆By using two key codings for different purposes, incorrect insertion can be prevented.

Contact No.3   Contact No.1

Contact No.6   Contact No.4

16.6   14.7

6.6

13.3

PUSH

38.5
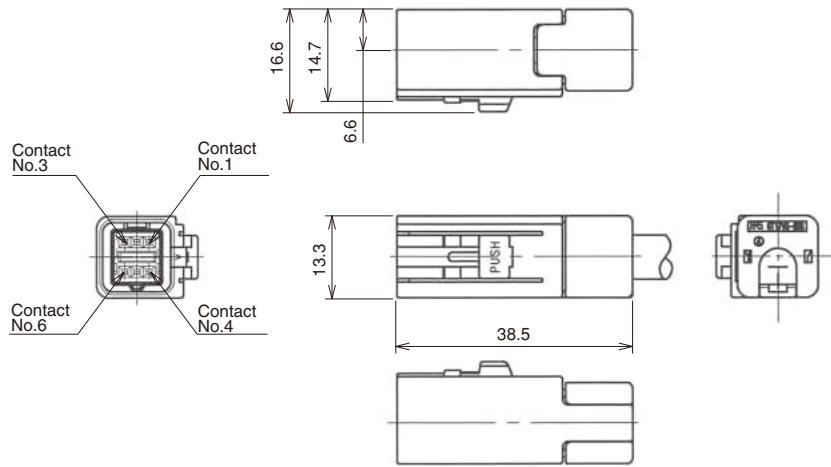
◆The product comprises 6 parts.
(Housing, insulator, outer terminal, shield plate, retainer, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-6DS-HU	767-0051-7	PBT/Light Gray	1	YES
GT17VSA-6DS-HU	767-0052-0	PBT/Black		

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-6DS-2C	767-0026-0	PBT/Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17VS-6DS-5CF	767-0050-4	Copper alloy / Tin plating	φ4.8 to 5.2	1	YES

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-6DS-SC	767-0049-5	Copper alloy / Tin plating	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-6DS-R	767-0053-2	PBT/Dark Gray	1	YES

● Center terminal

Used with 6,8, and 10 pos. cable

◆Mating Table

Color	Cable side connector	Board connector
Gray	GT17VS-6DS-HU	GT17V-6DP-DS (70)
		GT17VB-6DP-DS (70)
Black	GT17VSA-6DS-HU	GT17VA-6DP-DS (70)
		GT17VC-6DP-DS (70)

GT5 GT13 GT16 PO5G GT19 GT21 GT26 GT36 GT11 GT17 GT32 GT3 GT7 GT10 GT18W GT25 GT8E GT9 GT15

■ 6 Pos. Right-angle Connectors

◆**By using two key codings for different purposes, incorrect insertion can be prevented.**

Contact No.3　Contact No.1
Contact No.6　Contact No.4

27
16.6
14.7
6.6
14.2
13.2
12
22
13.3
PUSH
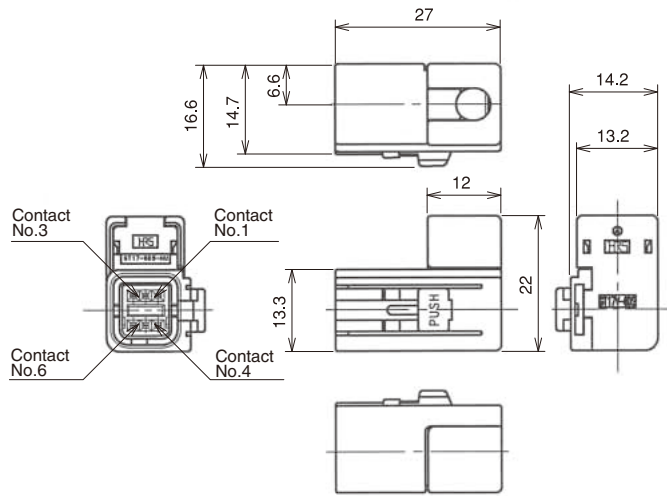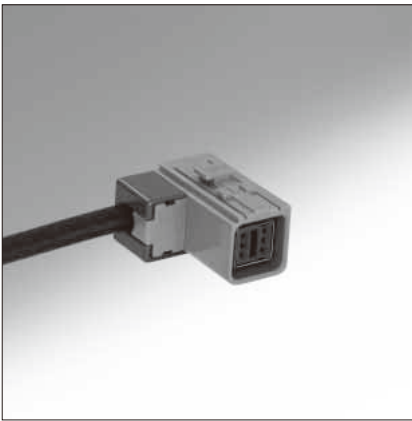
◆**The product comprises 6 parts.**
　(Housing, insulator, outer terminal, shield plate, retainer, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-6DS-HU	767-0029-8	PBT / Light Gray	1	YES
GT17VA-6DS-HU	767-0030-7	PBT / Black		

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-6DS-2C	767-0026-0	PBT / Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17V-6DS-5CF	767-0027-2	Copper alloy / Tin plating	φ 4.8 to 5.2	1	YES
GT17V-6DS-3.8CF	767-0075-5		φ 3.6 to 4.0		

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-6DS-SC	767-0028-5	Copper alloy / Tin plating	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-6DS-R	767-0031-0	PBT / Dark Gray	1	YES

● Center terminal

Used with 6,8, and 10 pos. cable

◆**Mating Table**

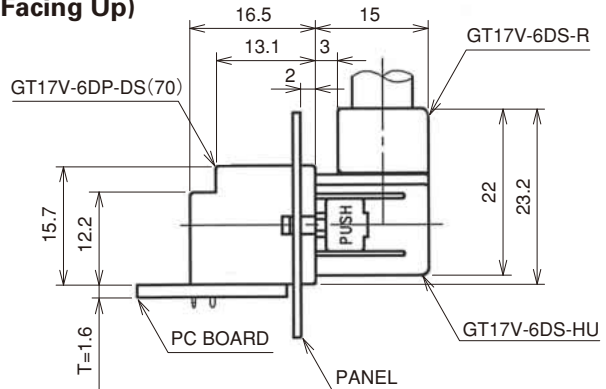| Color	Cable side connector	Board connector
Gray	GT17V-6DS-HU	GT17V-6DP-DS(70)(Cable exit direction, up side from mounting side)
		GT17VB-6DP-DS(70)(Cable exit direction, down side from mounting side)
Black	GT17VA-6DS-HU	GT17VA-6DP-DS(70)(Cable exit direction, up side from mounting side)
		GT17VC-6DP-DS(70)(Cable exit direction, down side from mounting side)

■ 6 Pos. Printed Circuit Board Connectors

◆By using two key codings for different purposes, incorrect insertion can be prevented.
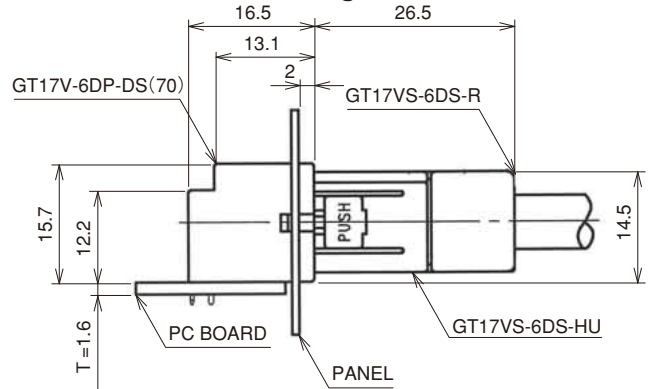
● Cable extraction facing up

GT17V-6DP-DS(70)
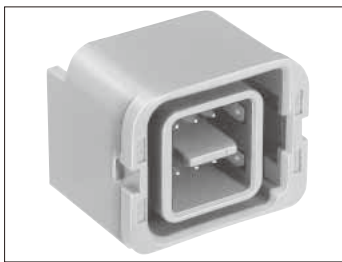
In Combination with a Right-angle Connector (Facing Up)

GT17V-6DP-DS(70)
GT17V-6DS-R
16.5
15
13.1
3
2
15.7
12.2
22
23.2
PUSH
T=1.6
PC BOARD
GT17V-6DS-HU
PANEL

In Combination with a Straight Connector

GT17V-6DP-DS(70)
16.5
26.5
13.1
2
GT17VS-6DS-R
15.7
12.2
14.5
PUSH
T=1.6
PC BOARD
GT17VS-6DS-HU
PANEL

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-6DP-DS(70)	767-0024-4 70	Housing: PBT/Light Gray Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES

● Cable extraction facing down

GT17VB-6DP-DS(70)

In Combination with a Right-angle Connector (Facing Down)

GT17V-6DS-HU
PANEL
16.5
13.1
GT17VB-6DP-DS(70)
23.2
22
PUSH
12.2
15.7
T=1.6
GT17V-6DS-R
3
2
PC BOARD
15
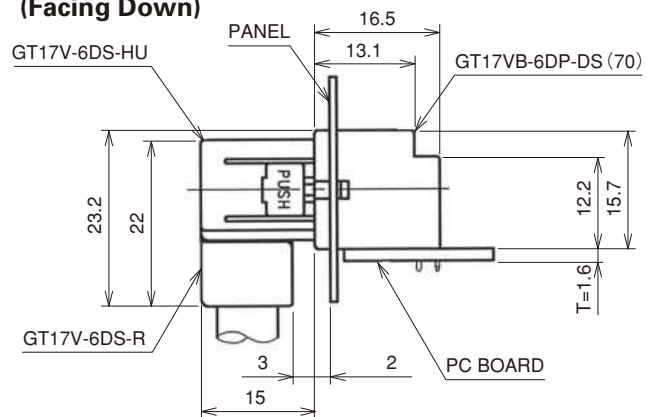
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VB-6DP-DS(70)	767-0032-2 70	Housing: PBT/Light Gray Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES

GT5
GT13
GT16
PO5G
GT19
GT21
GT26
GT36
GT11
GT17
GT32
GT3
GT7
GT10
GT18W
GT25
GT8E
GT9
GT15

■ 6 Pos. Printed Circuit Board Connectors

◆By using two key codings for different purposes, incorrect insertion can be prevented.

● Cable extraction facing up

GT17VA-6DP-DS(70)

In Combination with a Right-angle Connector (Facing Up)
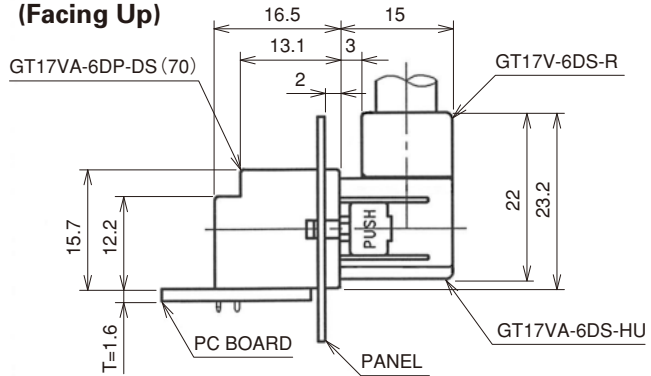
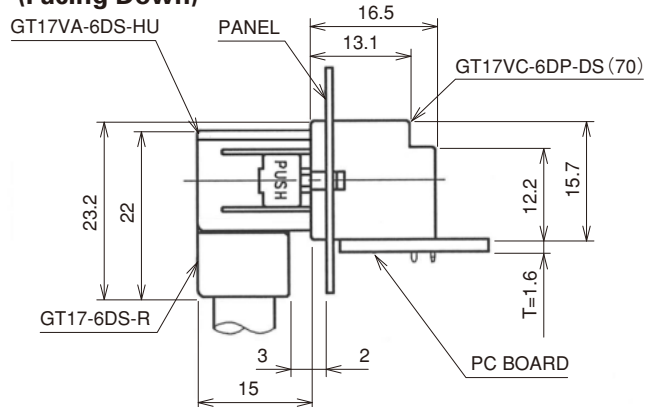### In Combination with a Straight Connector
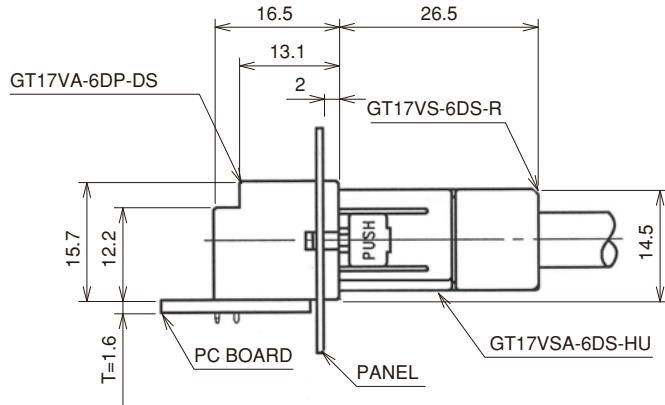
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VA-6DP-DS(70)	767-0025-7 70	Housing: PBT/Black Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES

● Cable extraction facing down

GT17VC-6DP-DS(70)

In Combination with a Right-angle Connector (Facing Down)

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VC-6DP-DS(70)	767-0033-5 70	Housing: PBT/Black Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES

■ 6 Pos. In-line Connectors
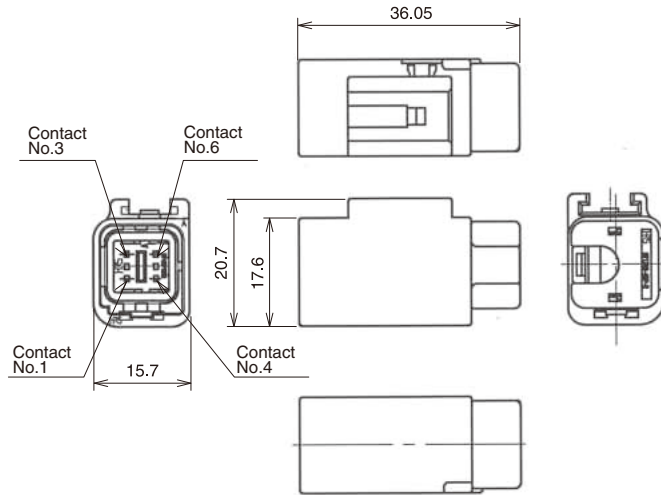
Contact No.3
Contact No.6
Contact No.1
Contact No.4

36.05
20.7
17.6
15.7
62.6

◆The product comprises 6 parts.
(Housing, insulator, outer terminal, shield plate, retainer, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VSN-6DP-HU	767-0077-0	PBT / Light Gray	1	YES
GT17VSV-6DP-HU	767-0128-0			
GT17VSNA-6DP-HU	767-0326-3	PBT / Black		

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-6DP-2C	767-0078-3	PBT / Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17VS-6DP-5CF	767-0080-5	Copper alloy / Tin plating	φ 4.8 to 5.0	1	YES

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-6DP-SC	767-0079-6	Copper alloy / Tin plating	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-6DP-R	767-0081-8	PBT / Dark Gray	1	YES

● Center terminal

Used with 6, and 10 Pos. cable

◆Mating Table

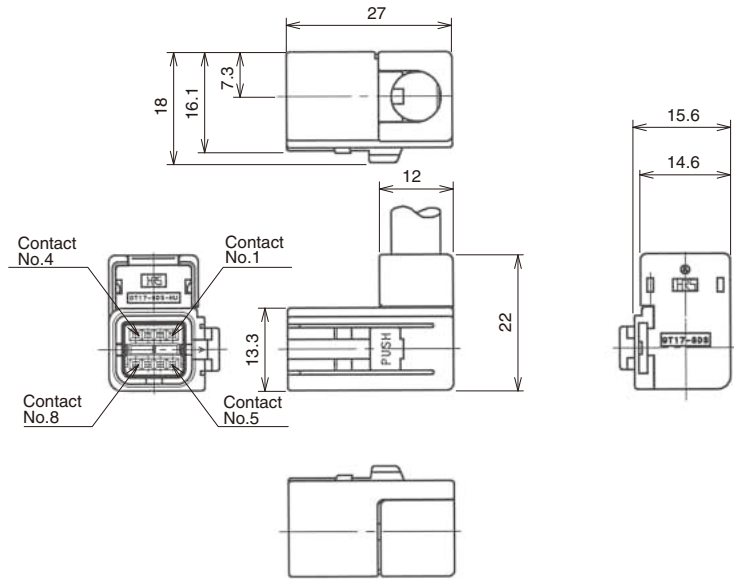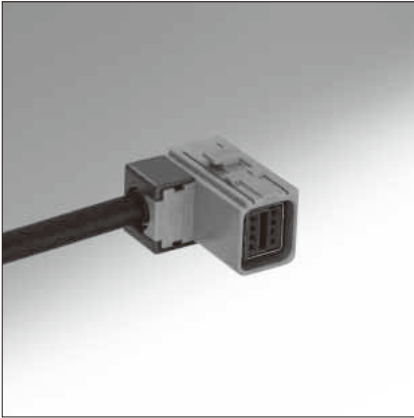| Color	In-line Connector	Cable side Connector
Gray	GT17VSN-6DP-HU	GT17V-6DS-HU
	GT17VSV-6DP-HU	GT17VS-6DS-HU
Black	GT17VSNA-6DP-HU	GT17VA-6DS-HU
		GT17VSA-6DS-HU

◆Mated Condition
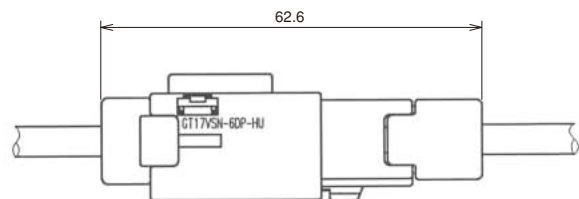
GT17VSN-6DP-HU

■ 8 Pos. Right-angle Connectors

◆By using two key codings for different purposes, incorrect insertion can be prevented.

27

18 16.1 7.3

Contact No.4 Contact No.1

GT17-8DS-HU

Contact No.8 Contact No.5

12

13.3 22 PUSH

15.6

14.6

GT17-8DS

◆The product comprises 6 parts.
(Housing, insulator, outer terminal, shield plate, retainer, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17-8DS-HU	767-0003-4	PBT / Light Gray	1	YES
GT17A-8DS-HU	767-0004-7	PBT / Black		

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17-8DS-2C	767-0005-0	PBT / Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17-8DS-7CF(70)	767-0007-5 70	Phosphor bronze / Tin plating	φ 6.8 to 7.2	1	YES

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17-8DS-SC(70)	767-0006-2 70	Copper alloy / Tin plating	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17-8DS-R	767-0008-8	PBT / Dark Gray	1	YES

● Center terminal

Used with 6,8, and 10 pos. cable

◆Mating Table

Color	Cable side connector	Board connector
Gray	GT17-8DS-HU	GT17V-8DP-DS(Cable exit direction, up side from mounting side)
		GT17VB-8DP-DS(Cable exit direction, down side from mounting side)
		GT17VB-8DP-DS-SB(Cable exit direction, down side from mounting side)
Black	GT17A-8DS-HU	GT17VA-8DP-DS(Cable exit direction, up side from mounting side)
		GT17VC-8DP-DS(Cable exit direction, down side from mounting side)
		GT17VC-8DP-DS-SB(Cable exit direction, down side from mounting side)

GT5
GT13
GT16
PO5G
GT19
GT21
GT26
GT36
GT11
GT17
GT32
GT3
GT7
GT10
GT18W
GT25
GT8E
GT9
GT15

■ 8 Pos. Straight Connectors

◆By using two key codings for different purposes, incorrect insertion can be prevented.

18
16.1
7.3
Contact No.4
Contact No.1
Contact No.8
Contact No.5
13.3
PUSH
13.3
38.5
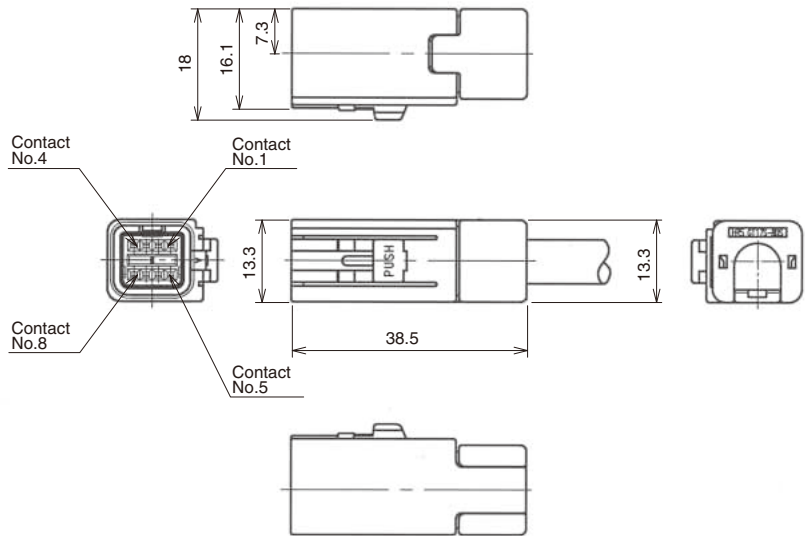
◆**The product comprises 6 parts.**
(Housing, insulator, outer terminal, shield plate, retainer, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17S-8DS-HU	767-0108-2	PBT / Light Gray	1	YES
GT17SA-8DS-HU	767-0109-5	PBT / Black		

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17-8DS-2C	767-0005-0	PBT / Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17S-8DS-7CF	767-0106-7	Copper alloy / Tin plating	ϕ 6.8 to 7.2	1	YES

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17S-8DS-SC	767-0107-0	Copper alloy / Tin plating	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17S-8DS-R	767-0110-4	PBT / Dark Gray	1	YES

● Center terminal

Used with 6,8, and 10 pos. cable

◆**Mating Table**

Color	Cable side connector	Board connector
Gray	GT17S-8DS-HU	GT17V-8DP-DS
		GT17VB-8DP-DS
		GT17VB-8DP-DS-SB
Black	GT17SA-8DS-HU	GT17VA-8DP-DS
		GT17VC-8DP-DS
		GT17VC-8DP-DS-SB

■ 8 Pos. Printed Circuit Board Connectors

● Cable extraction facing up

GT17V-8DP-DS

GT17V-8DP-DS

GT17-8DS-R

GT17-8DS-HU

PC BOARD

PANEL

16.5 | 15
13.1 | 3
2
15.7 | 12.2
T=1.6
22 | 23.2

GT17V-8DP-DS

GT17S-8DS-R

GT17S-8DS-HU

PC BOARD

PANEL

16.5 | 26.5
13.1
2
15.7 | 12.2
T=1.6
14.5

PUSH
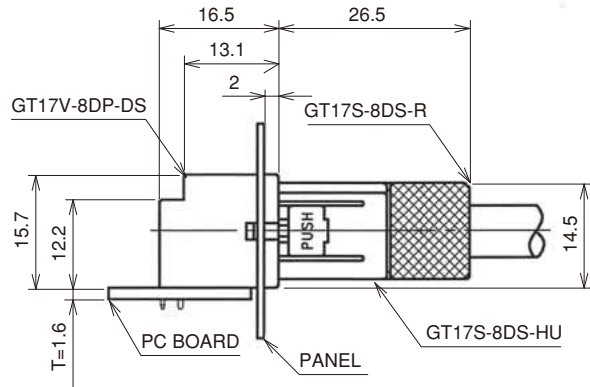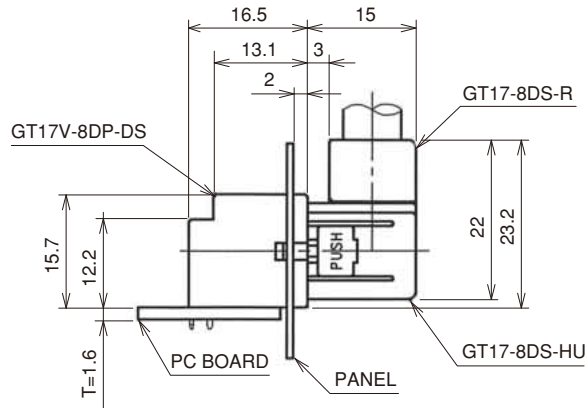
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-8DP-DS	767-0139-6	Housing: PBT/Light Gray Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES

● Cable extraction facing down

GT17VB-8DP-DS

GT17VB-8DP-DS-SB
(with enhanced shielding type)

GT17-8DS-HU

PANEL

GT17VB-8DP-DS

GT17-8DS-R

PC BOARD

16.5
13.1
23.2 | 22
12.2 | 15.7
T=1.6
3 | 2
15

PUSH
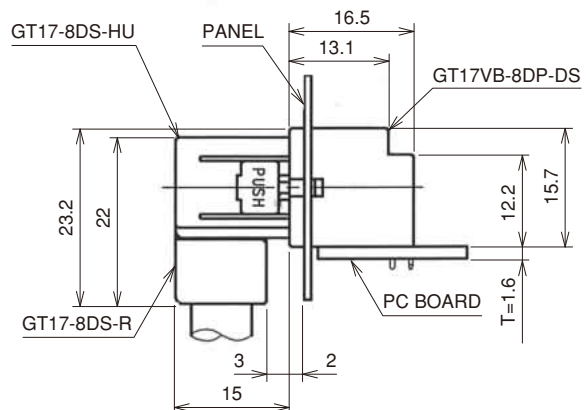
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VB-8DP-DS	767-0185-3	Housing: PBT/Light Gray Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES
GT17VB-8DP-DS-SB	767-0123-6	Housing: PBT/Light Gray Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating Shield case: Brass /Tin plating		

GT5 | GT13 | GT16 | PO5G | GT19 | GT21 | GT26 | GT36 | GT11 | GT17 | GT32 | GT3 | GT7 | GT10 | GT18W | GT25 | GT8E | GT9 | GT15

For Network, High speed communication

Left tabs: GT5 GT13 GT16 PO5G GT19 GT21 GT26 GT36 GT11 GT17 GT32 GT3 GT7 GT10 GT18W GT25 GT8E GT9 GT15

8 Pos. Printed Circuit Board Connectors

●Cable extraction facing up

GT17VA-8DP-DS

GT17VA-6DP-DS (70)
GT17V-6DS-R
16.5 15
13.1 3
2
15.7 12.2
22 23.2
T=1.6
PC BOARD
PANEL
GT17VA-6DS-HU

GT17VA-6DP-DS
GT17VS-6DS-R
16.5 26.5
13.1
2
15.7 12.2
14.5
T=1.6
PC BOARD
PANEL
GT17VSA-6DS-HU
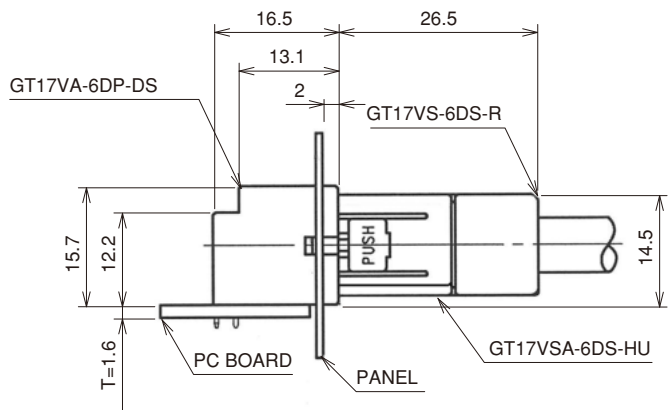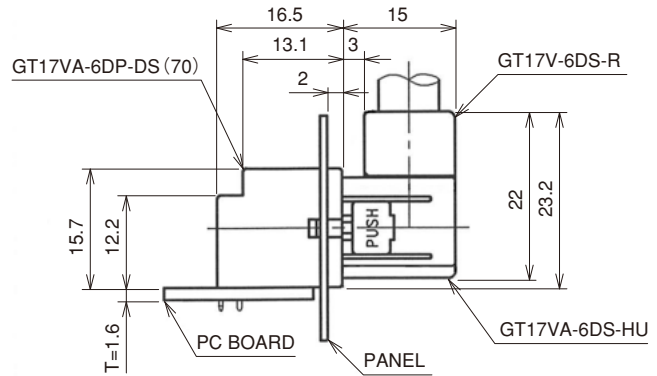
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VA-8DP-DS	767-0200-5	Housing: PBT/Black Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES

●Cable extraction facing down

GT17VC-8DP-DS

GT17VC-8DP-DS-SB
(with enhanced shielding type)

GT17A-8DS-HU PANEL 16.5 13.1 GT17VC-8DP-DS
23.2 22 PUSH 12.2 15.7
GT17-8DS-R 3 2 T=1.6 PC BOARD
15
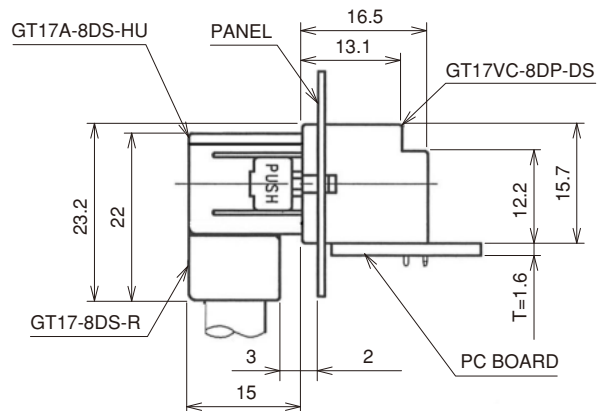
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VC-8DP-DS	767-0199-8	Housing: PBT/Black Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES
GT17VC-8DP-DS-SB	767-0124-9	Housing: PBT/Black Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating Shield Case: Brass /Tin plating		

■ 10 Pos. Right-angle Connectors

◆By using two key codings for different purposes, incorrect insertion can be prevented.

27
20.6
18.7
8.6

Contact No.5   Contact No.1
Contact No.10   Contact No.6

12
13.3
PUSH
22

18.2
17.2
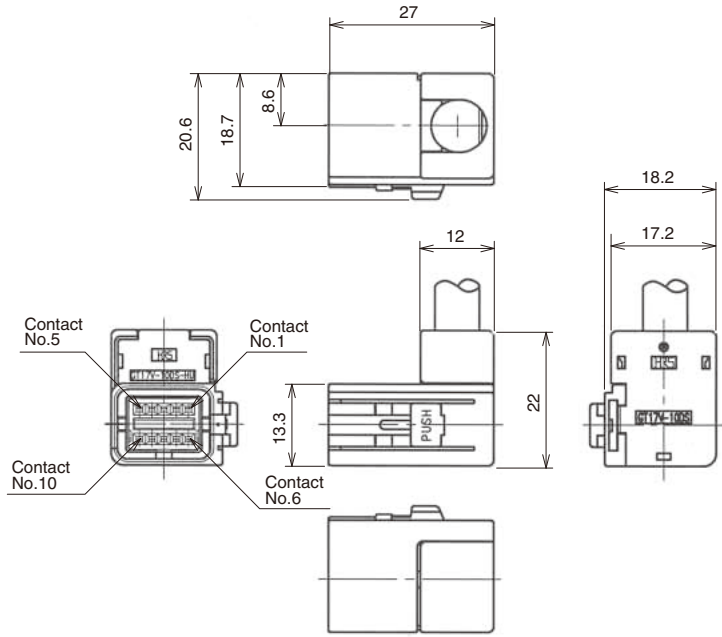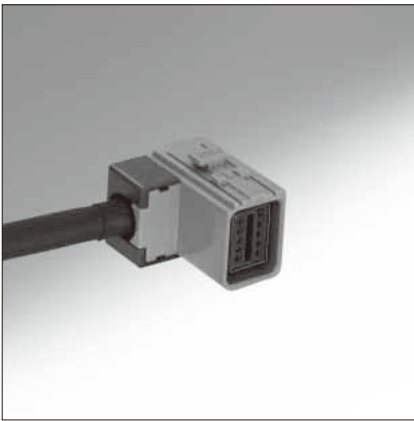
◆The product comprises 6 parts.
(Housing, insulator, outer terminal, shield plate, retainer, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-10DS-HU	767-0039-1	PBT / Light Gray	1	YES
GT17VA-10DS-HU	767-0040-0	PBT / Black		

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-10DS-2C	767-0036-3	PBT / Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17V-10DS-8CF	767-0037-6	Copper alloy / Tin plating	ϕ 7.5 to 8	1	YES

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-10DS-SC	767-0038-9	Copper alloy / Tin plating	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-10DS-R	767-0041-3	PBT / Dark Gray	1	YES

● Center terminal

Used with 6,8, and 10 pos. cable

◆Mating Table

Color	Cable side connector	Board connector
Gray	GT17V-10DS-HU	GT17V-10DP-DS(70)(Cable exit direction, up side from mounting side)
		GT17V-10DP-DSA(70)(Straight type)
		GT17V-10DP-DS-SB(70)(Cable exit direction, up side from Mounting side)
		GT17V-10DP-DSA-SB(Straight type)
Black	GT17VA-10DS-HU	GT17VA-10DP-DS(70)(Cable exit direction, up side from mounting side)
		GT17VA-10DP-DSA(70)(Straight type)
		GT17VA-10DP-DS-SB(70)(Cable exit direction, up side from mounting side)
		GT17VA-10DP-DSA-SB(Straight type)

GT5
GT13
GT16
PO5G
GT19
GT21
GT26
GT36
GT11
For Network, High speed communication
GT17
GT32
GT3
GT7
GT10
GT18W
GT25
GT8E
GT9
GT15

GT5
GT13
GT16
PO5G
GT19
GT21
GT26
GT36
GT11
GT17
GT32
GT3
GT7
GT10
GT18W
GT25
GT8E
GT9
GT15

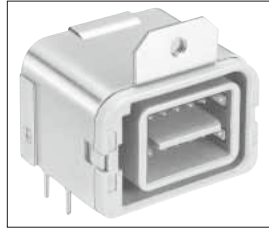## ■ 10 Pos. Straight Connectors

◆By using two key codings for different purposes, incorrect insertion can be prevented.

20.6 18.7 8.6 13.3 38.5

Contact No.5 Contact No.1
Contact No.10 Contact No.6

PUSH
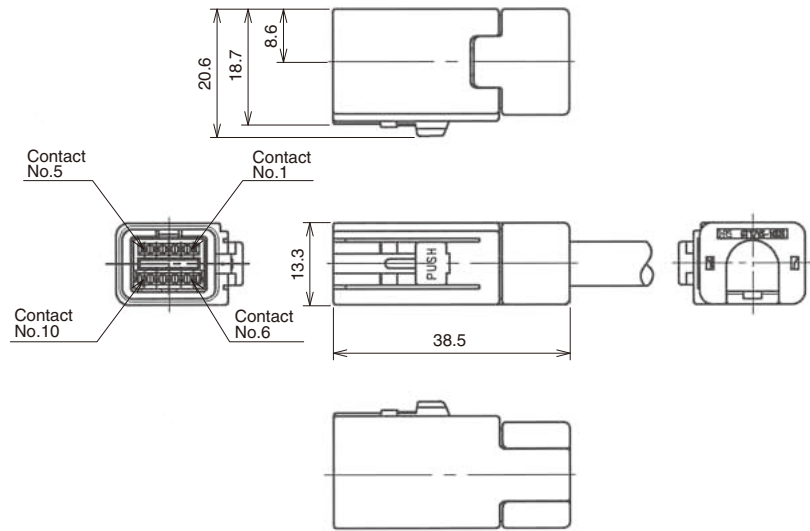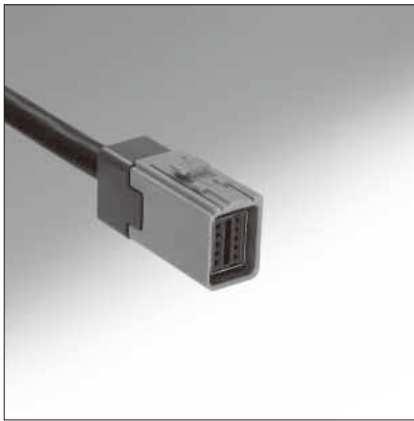
◆The product comprises 6 parts.
(Housing, insulator, outer terminal, shield plate, retainer, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-10DS-HU	767-0061-0	PBT / Light Gray	1	YES
GT17VSA-10DS-HU	767-0062-3	PBT / Black		

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-10DS-2C	767-0036-3	PBT / Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17VS-10DS-8CF	767-0059-9	Copper alloy / Tin plating	φ7.5 to 8	1	YES

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-10DS-SC	767-0060-8	Copper alloy / Tin plating	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-10DS-R	767-0063-6	PBT / Dark Gray	1	YES

● Center terminal

Used with 6,8, and 10 pos. cable

◆Mating Table

Color	Cable side connector	Board connector
Gray	GT17VS-10DS-HU	GT17V-10DP-DS（70）
		GT17V-10DP-DSA（70）
		GT17V-10DP-DS-SB（70）
		GT17V-10DP-DSA-SB
Black	GT17VSA-10DS-HU	GT17VA-10DP-DS（70）
		GT17VA-10DP-DSA（70）
		GT17VA-10DP-DS-SB（70）
		GT17VA-10DP-DSA-SB

■ 10 Pos. Printed Circuit Board Connectors

◆By using two key codings for different purposes, incorrect insertion can be prevented.
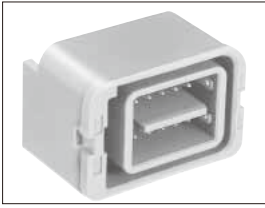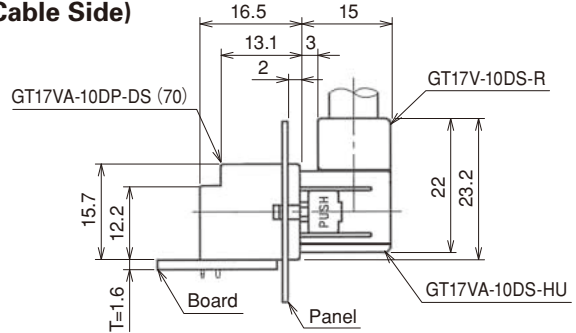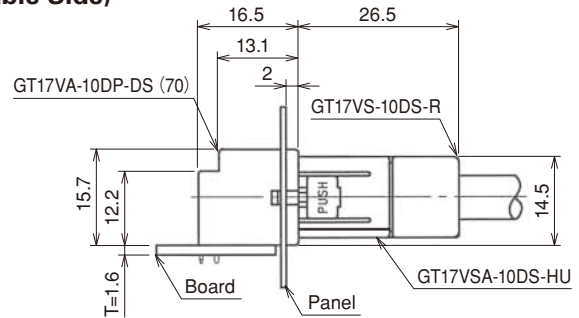
● Right-angle type

GT17V-10DP-DS(70)

GT17V-10DP-DS-SB(70)
(with enhanced shielding type)
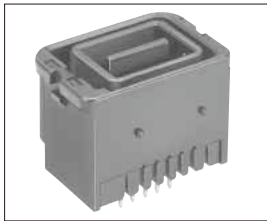
In Combination with a Right-angle Connector (Cable Side)

GT17V-10DP-DS (70)
GT17V-10DS-R
16.5 15
13.1 3
2
15.7
12.2
22
23.2
T=1.6
Board
Panel
GT17V-10DS-HU

In Combination with a Straight Connector (Cable Side)

GT17V-10DP-DS(70)
GT17VS-10DS-R
16.5 26.5
13.1
2
15.7
12.2
14.5
T=1.6
Board
Panel
GT17VS-10DS-HU
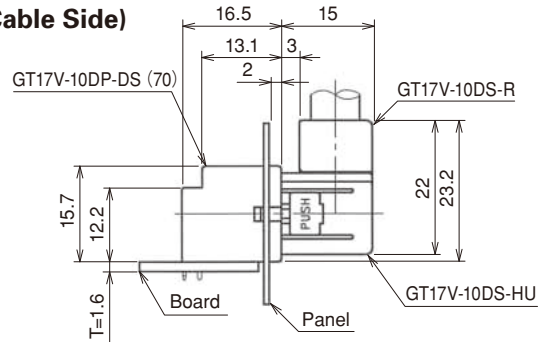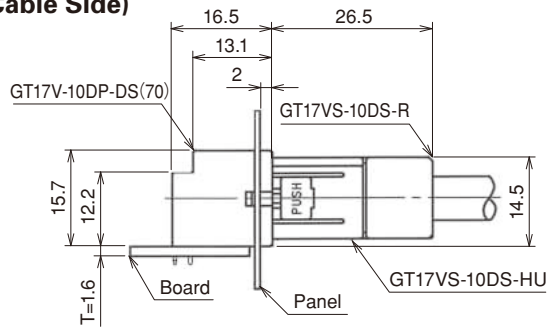
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-10DP-DS(70)	767-0034-8 70	Housing: PBT/Light Gray Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES
GT17V-10DP-DS-SB(70)	767-0069-2 70	Housing: PBT/Light Gray Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating Shield case: Brass /Tin plating		
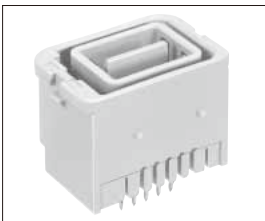
● Straight-type

GT17V-10DP-DSA(70)

GT17V-10DP-DSA-SB
(with enhanced shielding type)

In Combination with a Straight Connector (Cable Side)

T=1.6 16.5 26.5
13.1
2
15.7
12.2
14.5
GT17VS-10DS-R
Board
Panel
GT17V-10DP-DSA(70)
GT17VS-10DS-HU
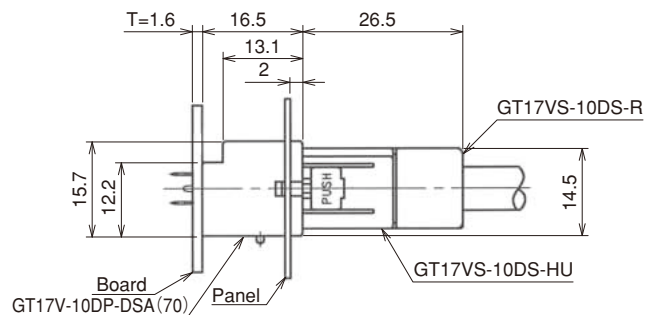
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-10DP-DSA(70)	767-0067-7 70	Housing: PBT/Light Gray Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES
GT17V-10DP-DSA-SB	767-0154-0	Housing: PBT/Light Gray Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating Shield case: Brass /Tin plating		

Sidebar tabs: GT5, GT13, GT16, PO5G, GT19, GT21, GT26, GT36, GT11, GT17, GT32, GT3, GT7, GT10, GT18W, GT25, GT8E, GT9, GT15

■ 10 Pos. Printed Circuit Board Connectors

◆By using two key codings for different purposes, incorrect insertion can be prevented.
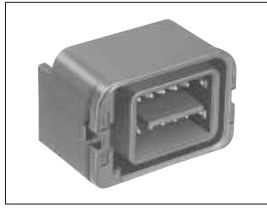
●Right-angle type

GT17VA-10DP-DS(70)

GT17VA-10DP-DS-SB(70)
(with enhanced shielding type)

In Combination with a Right-angle Connector (Cable Side)

GT17VA-10DP-DS (70)
GT17V-10DS-R
GT17VA-10DS-HU
16.5 / 15 / 13.1 / 3 / 2 / 22 / 23.2 / 15.7 / 12.2 / T=1.6
Board / Panel / PUSH

In Combination with a Straight Connector (Cable Side)

GT17VA-10DP-DS (70)
GT17VS-10DS-R
GT17VSA-10DS-HU
16.5 / 26.5 / 13.1 / 2 / 14.5 / 15.7 / 12.2 / T=1.6
Board / Panel / PUSH

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VA-10DP-DS(70)	767-0035-0 70	Housing: PBT/Black Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES
GT17VA-10DP-DS-SB(70)	767-0070-1 70	Housing: PBT/Black Center terminale: Brass /Tin plating Outer terminal: Copper alloy /Tin plating Shield case: Brass /Tin plating		

●Straight-type

GT17VA-10DP-DSA(70)

GT17VA-10DP-DSA-SB
(with enhanced shielding type)

In Combination with a Straight Connector (Cable Side)

GT17VS-10DS-R
GT17VSA-10DS-HU
GT17VA-10DP-DSA (70)
T=1.6 / 16.5 / 26.5 / 13.1 / 2 / 14.5 / 15.7 / 12.2
Board / Panel / PUSH
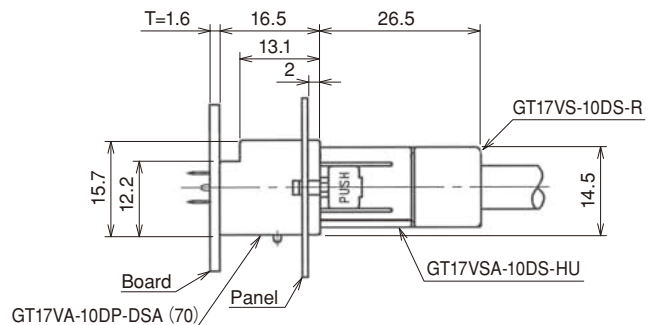
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VA-10DP-DSA(70)	767-0068-0 70	Housing: PBT/Black Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating	1	YES
GT17VA-10DP-DSA-SB	767-0174-7	Housing: PBT/Black Center terminal: Brass /Tin plating Outer terminal: Copper alloy /Tin plating Shield case: Brass /Tin plating		

■ 10 Pos. In-line Connectors
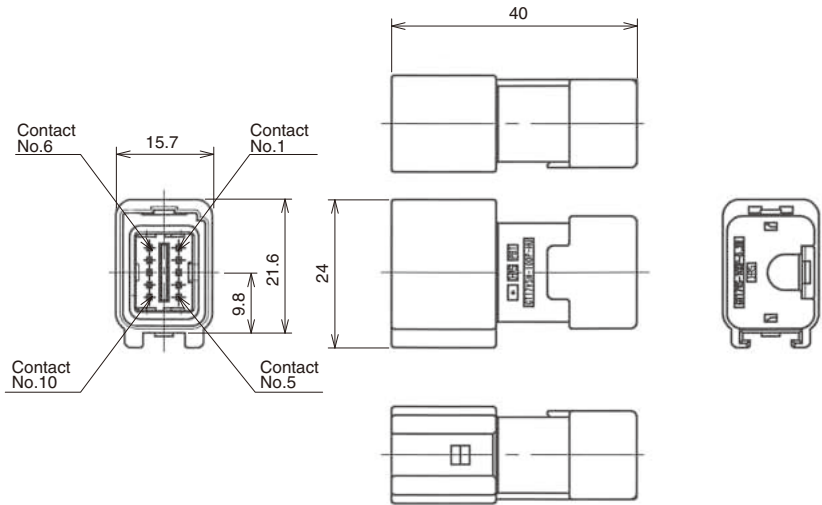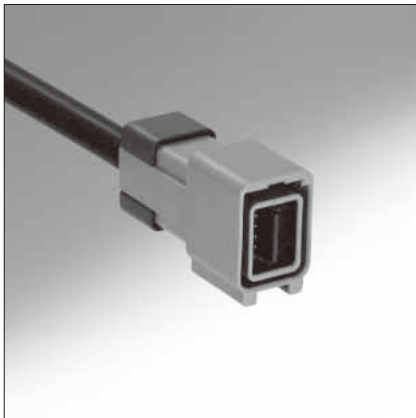
◈The product comprises 6 parts.
(Housing, insulator case, outer terminal, shield plate, retainer, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VSN-10DP-HU	767-0115-8	PBT / Light Gray	1	YES

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-10DP-2C	767-0112-0	PBT / Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17VS-10DP-5.2CF	767-0114-5	Copper alloy / Tin plating	φ5.0 to 5.4	1,224 pcs/pack	YES
GT17VS-10DP-8CF	767-0130-1		φ7.5 to 8.0		

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-10DP-SC	767-0113-2	Copper alloy / Tin plating	1,224 pcs/pack	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-10DP-5.2R	767-0111-7	PBT / Dark Gray	1	YES
GT17VS-10DP-8R	767-0131-4			

● Center terminal

Used with 6, and 10 pos. cable

◈Mated condition
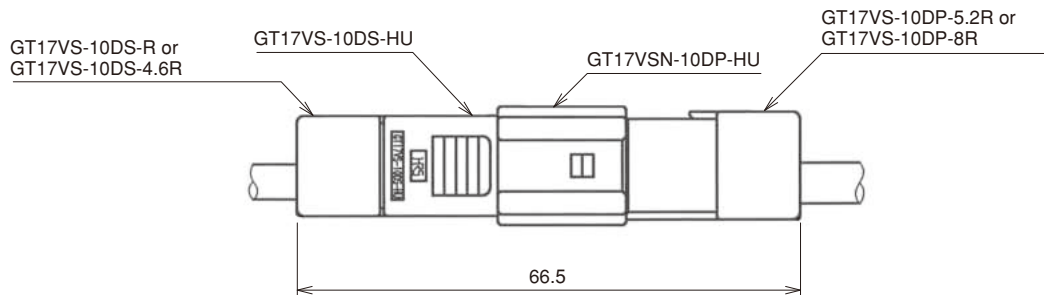
◆Wiring Method

① **Strip the Jacket.**

Outside shield — Jacket
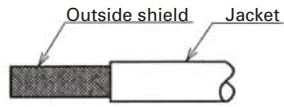
② **Cut the shield and intermediate material to expose the wire and braid.**

Drain wire

Signal wires
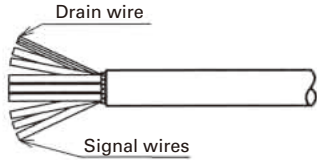
③ **Bend back the drain wire over the Jacket.**

Drain wire
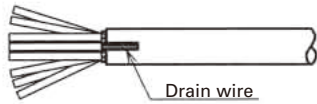
④ **Wrap with conductive tape.**

Conductive tape
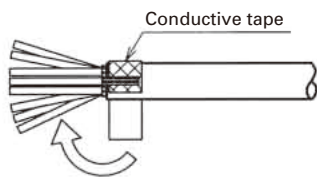
⑤ **Strip the wire leads.**

Wire
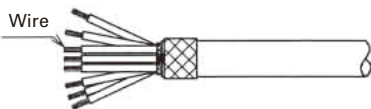
⑥ **Crimp the center terminals.**
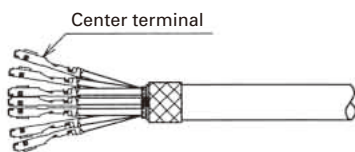
Center terminal

⑦ **Insert the center terminals into the insulator.**
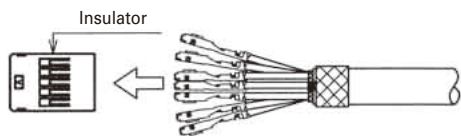
Insulator

GT17V-10DS-HU Harness Finish

⑧ **Insert the insulator into the Outer terminal.**
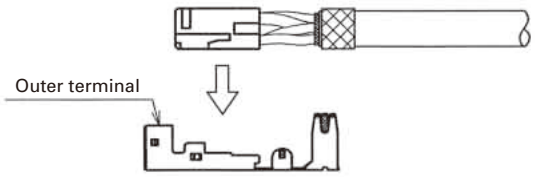
Outer terminal

⑨ **Insert the Shield Cover.**

Shield Cover
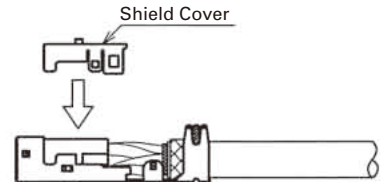
⑩ **Fold back the Outer terminal.**
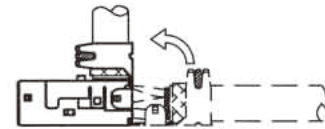
⑪ **Crimp the Outer terminal.**
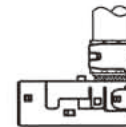
⑫ **Insert the Outer terminal into the housing.**

Housing

⑬ **Insert the retainer.**

Retainer
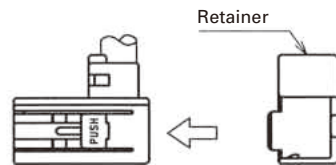
⑭ **Completion**
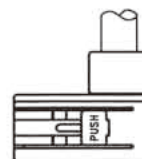
*Crimp height setting tables are available for each cable type. Please contact your nearest Hirose Electric account representative. Different cables will require different crimp height settings.

GT5 GT13 GT16 PO5G GT19 GT21 GT26 GT36 GT11 GT17 GT32 GT3 GT7 GT10 GT18W GT25 GT8E GT9 GT15

GT17VS-10DS-HU Harness Finish

⑧ **Insert the insulator into the Outer terminal.**
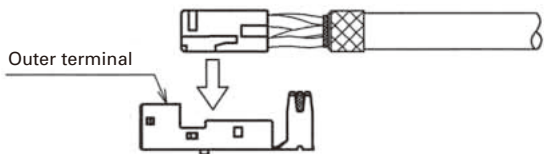
Outer terminal

⑨ **Crimp the Outer terminal.**
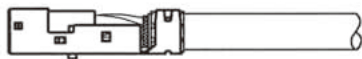
⑩ **Insert the Shield Cover.**
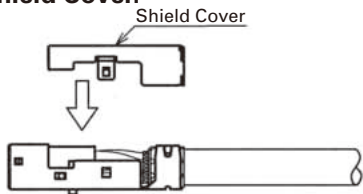
Shield Cover

⑪ **Insert the Outer terminal into the housing.**

Housing

⑫ **Insert the retainer.**
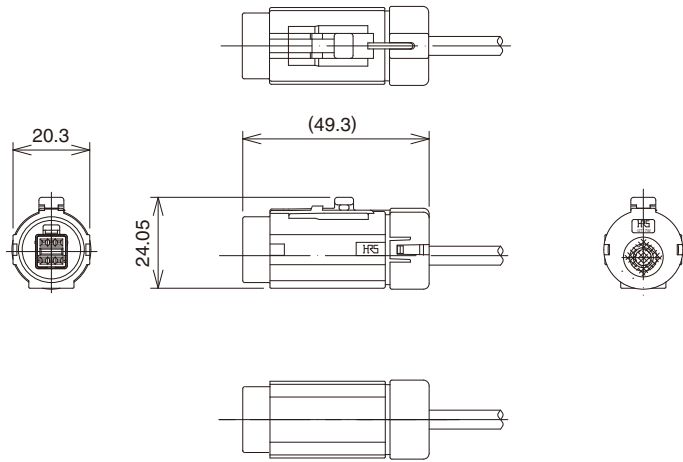
Retainer

⑬ **Completion**

HRS **137**
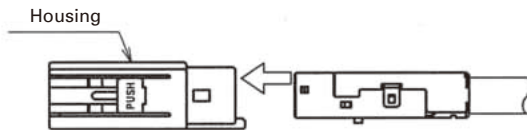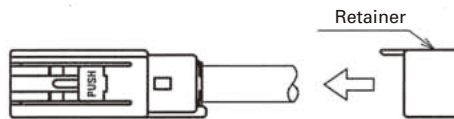
■ 6 pos. In-line Type (Waterproof Type)

● F Connectors

20.3

(49.3)

24.05

◆The product comprises 6 parts.
(Housing, insulator, outer terminal, shield plate, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17W-6S-HU	767-0214-0	PBT / Light Gray	1	YES

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-6DS-2C	767-0026-0	PBT / Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17VS-6DS-5CF	767-0050-4	Copper alloy / Tin plating	φ4.8 to 5.2	1	YES

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-6DS-SC	767-0049-5	Copper alloy / Tin plating	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17W-1P/S-R	767-0216-5	PBT / Dark Gray Silicon/White	1	YES

● Center terminal

Used with 6,8 and 10 Pos. cable

■ M Connectors

◆The product comprises 6 parts.
(Housing, insulator, outer terminal, shield plate, and center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17W-6PP-HU	767-0215-2	PBT / Light Gray Silicon / White	1	YES

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17V-6DP-2C	767-0078-3	PBT / Dark Gray	1	YES

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17VS-6DP-5CF	767-0080-5	Copper alloy / Tin plating	φ4.8 to 5.2	1	YES

● Shield plate

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17VS-6DP-SC	767-0079-6	Copper alloy / Tin plating	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17W-1P/S-R	767-0216-5	PBT / Dark Gray Silicon / White	1	YES

● Center terminal

Used with 6, and 10 Pos. cable

23.8   (50.4)   26.6

■ 4 pos. Right-angle Connector (1 Row type)

20.95

9.5

5.2

25

17.05

12.85

8.1

Key Variation

1.5 · 0.5	1.5 · 0.5	0.5 · 1.5	0.5 · 1.5
1	1	1	1
Standard	Key A	Key B	Key C
Light Gray	Brown	Green	Blue
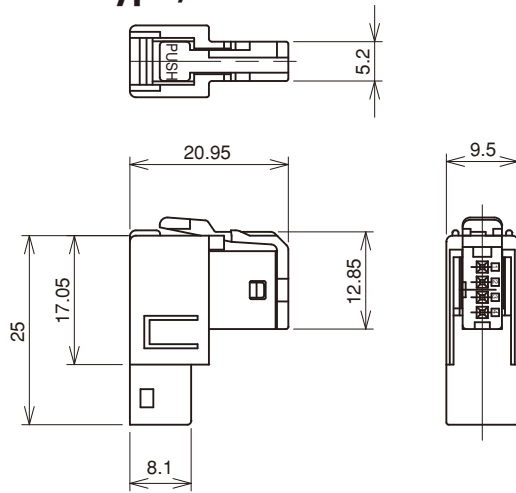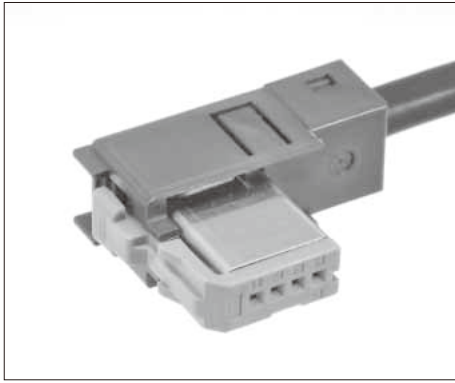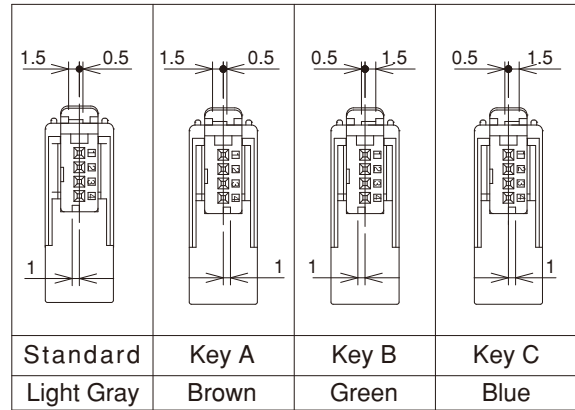
◆The product comprises 5 parts.
(Housing, insulator, outer terminal, retainer, center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	Remarks	RoHS
GT17H-4S-HU	767-0085-9	PBT / Dark Gray	1	————	YES
GT17H2-4S-HU	767-0245-3			With lock guard	

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17H-4S-2C	767-0084-6	PBT / Light Gray	1	YES
GT17H-4S-2C(A)	767-0167-1	PBT / Brown		
GT17H-4S-2C(B)	767-0168-4	PBT / Green		
GT17H-4S-2C(C)	767-0169-7	PBT / Blue		

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17H-4S-5CF	767-0087-4	Copper alloy / Tin plating	φ4.8 to 5.2	1	YES

● Retainer

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17H-4S-R	767-0086-1	PBT / Dark Gray	1	YES

● Center terminal

Part No.	HRS No.	Material / Plating or Color	Conductor Size(AWG)	Outer Diameter	Packaging	RoHS
GT8-2428SCF(70)	758-0001-8 70	Phosphor Bronze / Tin plating	24 to 28 AWG	φ0.8 to 1.5	10,000 pcs/reel	YES

◆Mating Table

Color	Cable side connector	Board connector		
		SMT Type	DIP Type	
			Angle Type	Straight Type
Light Gray	GT17H-4S-ASSY	GT17H-4P-2H/GT17HR-4P-2H	GT17H-4P-2DS	GT17H-4P-2DSA
Brown	GT17H-4S-ASSY(Key typeA)	GT17H-4P-2H(A)	GT17H-4P-2DS(A)	GT17H-4P-2DSA(A)
Green	GT17H-4S-ASSY(Key typeB)	GT17H-4P-2H(B)	GT17H-4P-2DS(B)	GT17H-4P-2DSA(B)
Blue	GT17H-4S-ASSY(Key typeC)	GT17H-4P-2H(C)	GT17H-4P-2DS(C)	GT17H-4P-2DSA(C)

GT5 GT13 GT16 PO5G GT19 GT21 GT26 GT36 GT11 GT17 GT32 GT3 GT7 GT10 GT18W GT25 GT8E GT9 GT15

GT5
GT13
GT16
PO5G
GT19
GT21
GT26
GT36
GT11
For Network, High speed communication
GT17
GT32
GT3
GT7
GT10
GT18W
GT25
GT8E
GT9
GT15

◆ Wiring Method (4 Pos. Right-angle 1 Row Type)

① **Strip Jacket.**

Outer shield Jacket
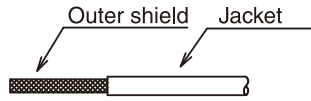
② **Turn Outer shield to Backward.**
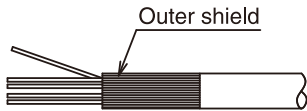
Outer shield

③ **Cover the cable by conductive tape.**
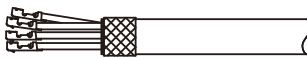
Conductive tape
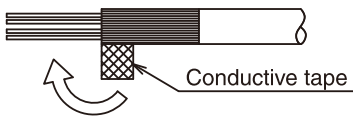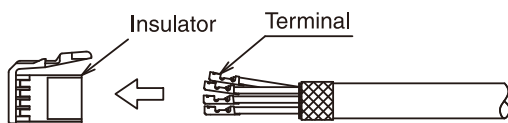
④ **Cut extra outer shield.**

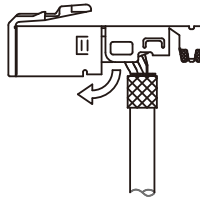Cut extra outer shield.
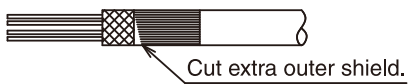
⑤ **Strip Jacket.**

⑥ **Crimp the terminal.**

⑦ **Insert center terminal to the insulator.**

Insulator Terminal

⑧ **Insert insulator to the outer terminal.**
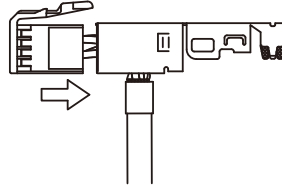
⑨ **Bent the outer tube terminal.**

⑩ **Crimp the outer tube terminal.**
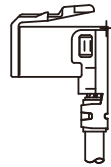
⑪ **Insert the assembled outer tube terminal to the housing.**
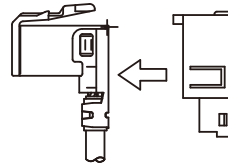
⑫ **Set the Retainer.**
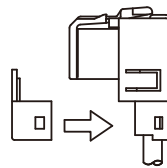
* Concerning the crimp height of terminals, crimp height settings have been prepared for each type of cable. Please contact a Hirose Electric account representative for further information.
  Please note that new crimp height settings will be made for new cables and that this might take several days.
  terminal insertion jig(GT17-4S/PR-MD)

■ 4 Pos. Straight Connectors (1 Row type)

8.7 | 5.2

30.95 | 7.9

φ8.3 | 12.85
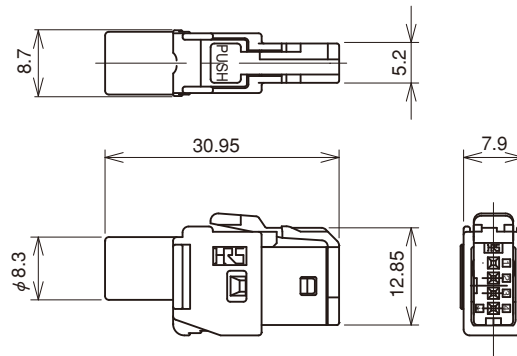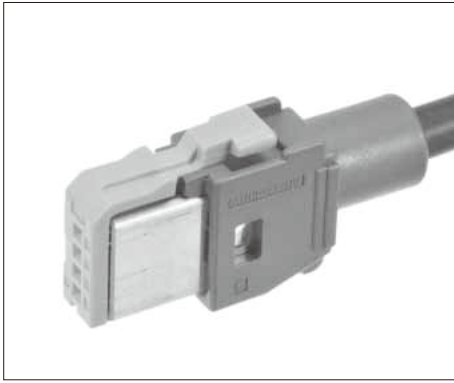
Key Variation

Standard	Key A	Key B	Key C
1.5 0.5	1.5 0.5	0.5 1.5	0.5 1.5
1	1	1	1
Light Gray	Brown	Green	Blue

◆**The product comprises 4 parts.**
(Housing, insulator, outer terminal, center terminal)

● Housing

Part No.	HRS No.	Material / Plating or Color	Packaging	Remarks	RoHS
GT17HS-4S-HU	767-0133-0	PBT / Dark Gray	1	———	YES
GT17HSK-4S-HU	767-0244-0			With lock guard	

● Insulator

Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT17H-4S-2C	767-0084-6	PBT / Light Gray	1	YES
GT17H-4S-2C(A)	767-0167-1	PBT / Brown		
GT17H-4S-2C(B)	767-0168-4	PBT / Green		
GT17H-4S-2C(C)	767-0169-7	PBT / Blue		

● Outer terminal

Part No.	HRS No.	Material / Plating or Color	Outer Diameter	Packaging	RoHS
GT17HS-4S-5CF	767-0135-5	Copper alloy / Tin plating	φ4.8 to 5.2	1	YES

● Center terminal

Part No.	HRS No.	Material / Plating or Color	Conductor Size(AWG)	Outer Diameter	Packaging	RoHS
GT8-2428SCF(70)	758-0001-8 70	Phosphor Bronze / Tin plating	24 to 28 AWG	φ0.8 to 1.5	10,000 pcs/reel	YES

◆**Mating Table**

Color	Cable side connector	Board connector		
		SMT Type	DIP Type	
			Angle Type	Straight Type
Light Gray	GT17H-4S-ASSY	GT17H-4P-2H/GT17HR-4P-2H	GT17H-4P-2DS	GT17H-4P-2DSA
Brown	GT17H-4S-ASSY(Key typeA)	GT17H-4P-2H(A)	GT17H-4P-2DS(A)	GT17H-4P-2DSA(A)
Green	GT17H-4S-ASSY(Key typeB)	GT17H-4P-2H(B)	GT17H-4P-2DS(B)	GT17H-4P-2DSA(B)
Blue	GT17H-4S-ASSY(Key typeC)	GT17H-4P-2H(C)	GT17H-4P-2DS(C)	GT17H-4P-2DSA(C)

GT5 GT13 GT16 PO5G GT19 GT21 GT26 GT36 GT11 GT17 GT32 GT3 GT7 GT10 GT18W GT25 GT8E GT9 GT15
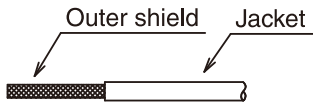
◈ Wiring Method (4 Pos. Straight 1 RowType)

① **Insert housing to the cable.**

② **Strip Jacket.**
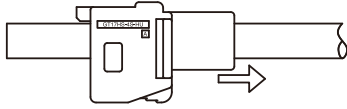
Outer shield   Jacket

③ **Turn Outer shield to backward.**
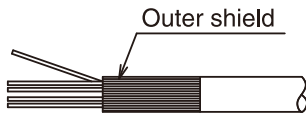
Outer shield

④ **Cover the cable by conductive tape.**
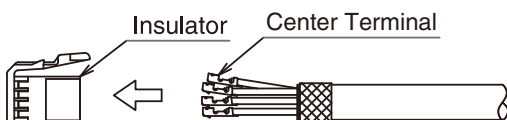
Conductive tape
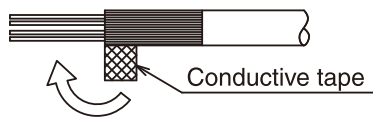
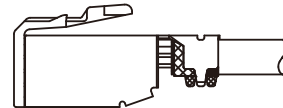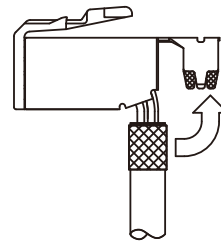⑤ **Cut extra outer shield.**

Cut extra outer shield.
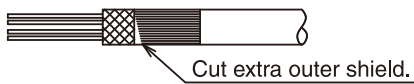
⑥ **Strip Jacket.**

⑦ **Crimp the terminal.**
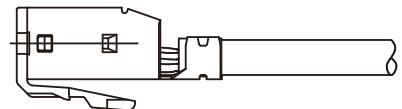
⑧ **Insert terminal to the Insulator.**
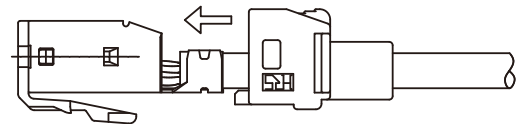
Insulator   Center Terminal

⑨ **Set outer tube terminal to the insulator.**
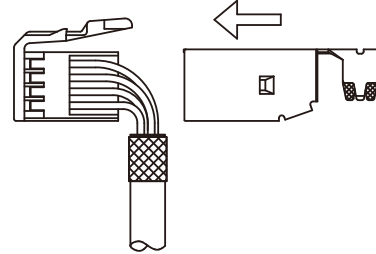
⑩ **Crimp outer terminal.**

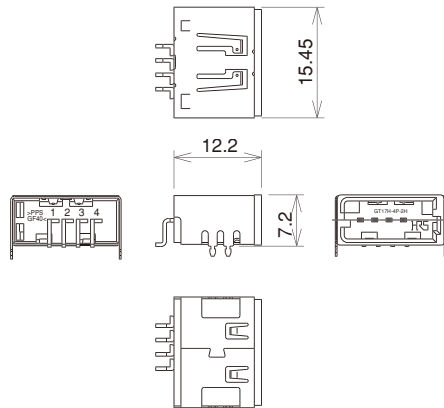⑪ **Slide up housing to outer terminal.**

⑫ **Finish.**

* Concerning the crimp height of terminals, crimp height settings have been prepared for each type of cable. Please contact a Hirose Electric account representative for further information.
   Please note that new crimp height settings will be made for new cables and that this might take several days.
   terminal insertion jig(GT17-4S/PR-MD)

GT5
GT13
GT16
PO5G
GT19
GT21
GT26
GT36
GT11
GT17
GT32
GT3
GT7
GT10
GT18W
GT25
GT8E
GT9
GT15

For Network, High speed communication

■ 4 Pos. Board Connectors
(1 Row type, Right-angle SMT Type, Right side key)

Key Variation

15.45

12.2

7.2

Standard		Key B	
Light Gray		Green	
Key A		Key C	
Brown		Blue	

GT17H-4P-2H

Part No.	HRS No.	Color	Material / Plating	Packaging	RoHS
GT17H-4P-2H	767-0083-3	Light Gray	Housing:PPS Center terminal:Brass/Tin plating Outer terminal:Copper alloy/Tin plating	400 pcs/reel	YES
GT17H-4P-2H(A)	767-0170-6	Brown			
GT17H-4P-2H(B)	767-0171-9	Green			
GT17H-4P-2H(C)	767-0172-1	Blue			

■ 4 Pos. SMT Connector(1 Row type, Left side key)

15.45

12.2

7.2
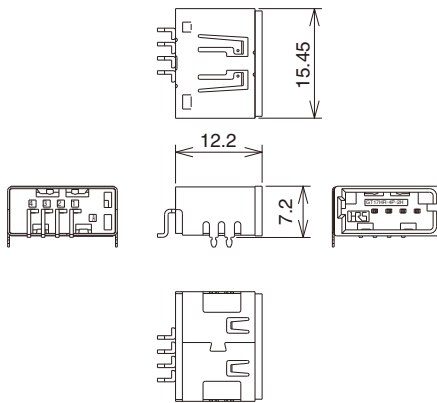
Standard
Light Gray

GT17HR-4P-2H

Part No.	HRS No.	Color	Material / Plating	Packaging	RoHS
GT17HR-4P-2H	767-0146-1	Light Gray	Housing:PPS Center terminal:Brass/Tin plating Outer terminal:Copper alloy/Tin plating	400 pcs/reel	YES