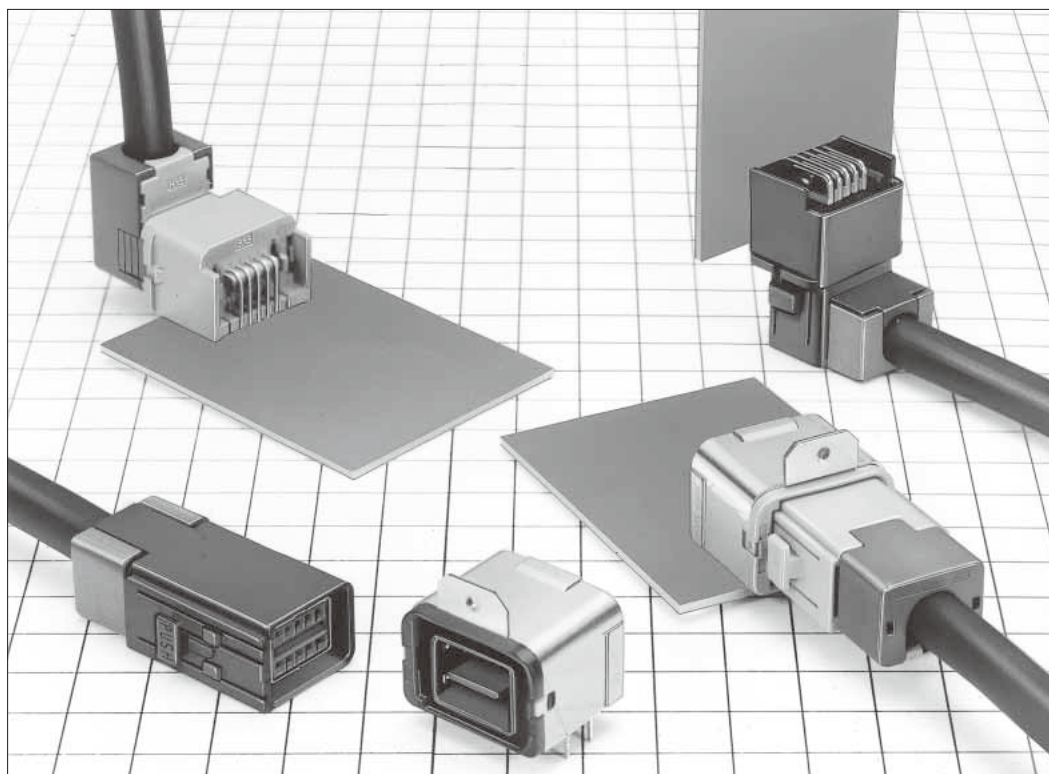


# GT17 Series

— Automotive Shielded Connector —  
(2mm Pitch)



## Features

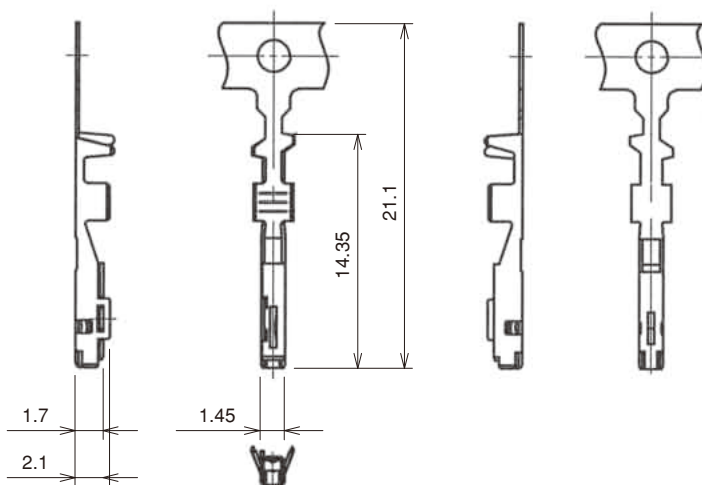
- All surface shielded construction.
- Ideal for use as automotive USB connectors.

## Applications

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

## F Connectors

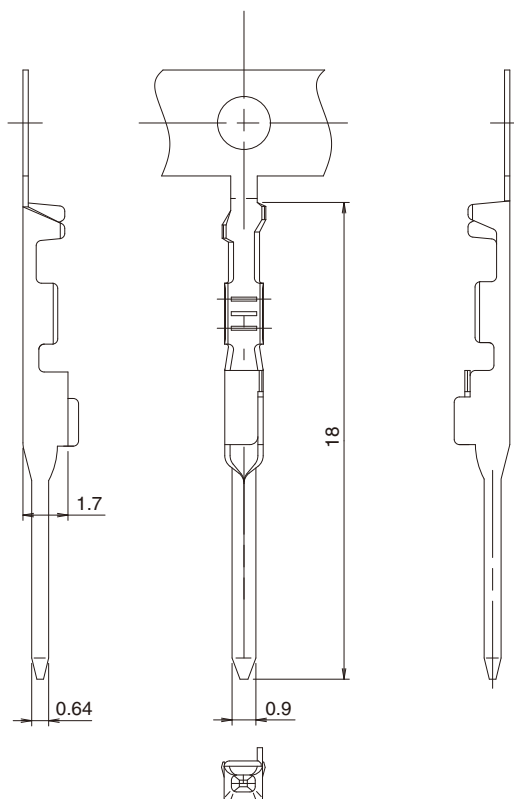
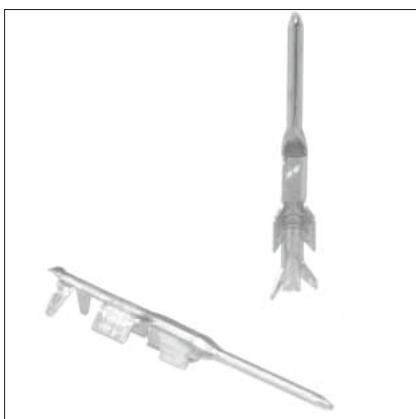
### ● Center Terminals (Used with 6, 8, and 10 pos. cable)



| 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

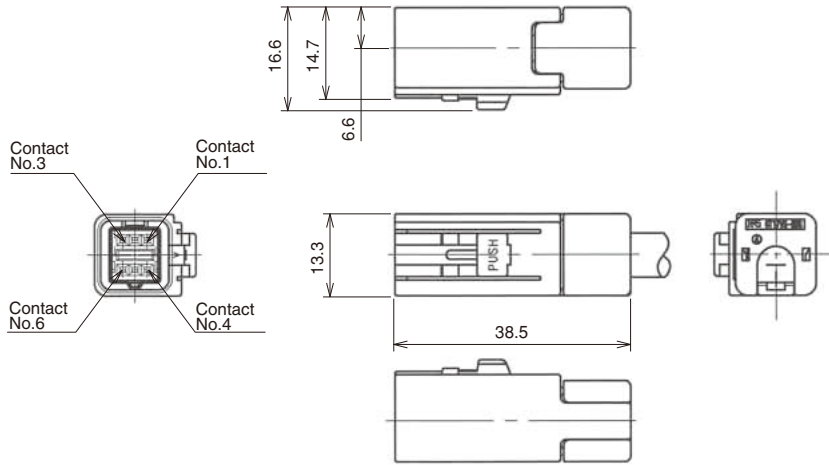
### ● Center Terminals (Used with 6, and 10 pos. cable)



| 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 |          |             | 24 to 28 AWG         | φ 1.1 to 1.3   |                 |      |

6 Pos. Straight Connectors

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



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  | φ 4.8 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

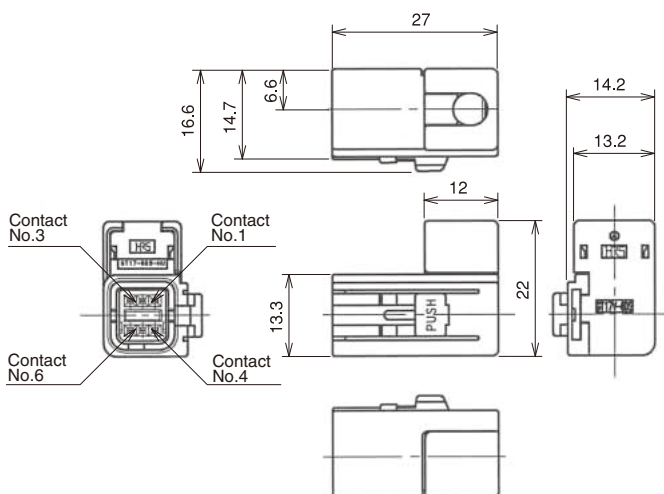
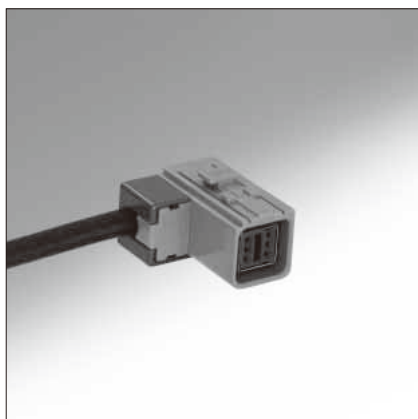
Used with 6,8, and 10 pos. cable

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) |

## 6 Pos. Right-angle Connectors

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



◆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

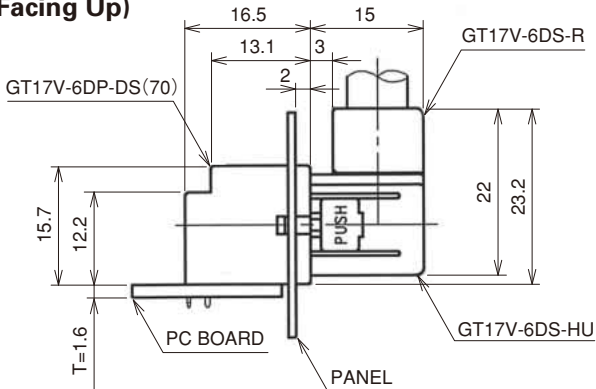
By using two key codings for different purposes, incorrect insertion can be prevented.

● Cable extraction facing up

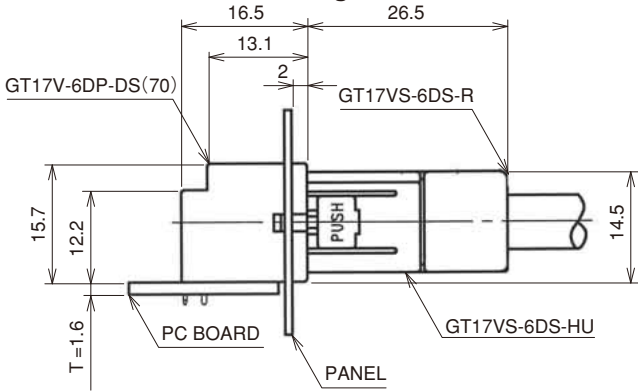


GT17V-6DP-DS(70)

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

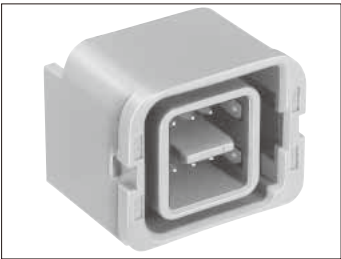


In Combination with a Straight Connector



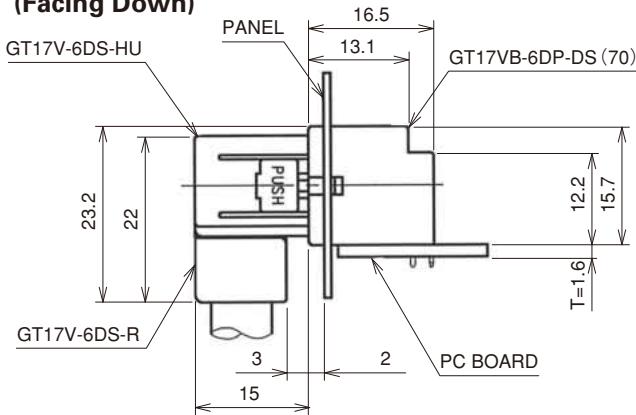
| Part No.         | HRS No.       | Material / Plating or Color                                                                                 | Packaging | RoHS |
|------------------|---------------|-------------------------------------------------------------------------------------------------------------|-----------|------|
| GT17V-6DP-DS(70) | 767-0024-4 70 | Housing: PBT/Light Gray<br>Center terminal: Brass /Tin plating<br>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)



| Part No.          | HRS No.       | Material / Plating or Color                                                                                 | Packaging | RoHS |
|-------------------|---------------|-------------------------------------------------------------------------------------------------------------|-----------|------|
| GT17VB-6DP-DS(70) | 767-0032-2 70 | Housing: PBT/Light Gray<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating | 1         | YES  |

## 6 Pos. Printed Circuit Board Connectors

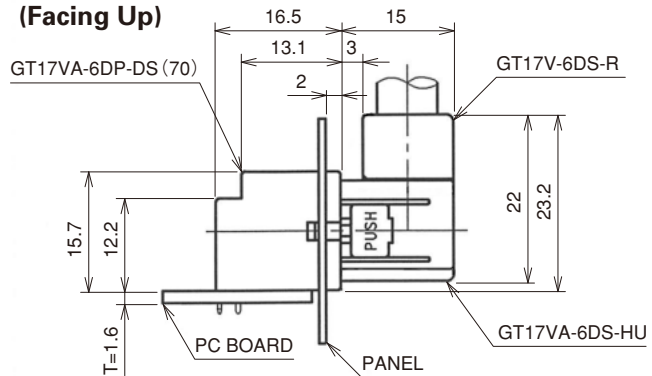
◆By using two key codings for different purposes, incorrect insertion can be prevented.

● Cable extraction facing up

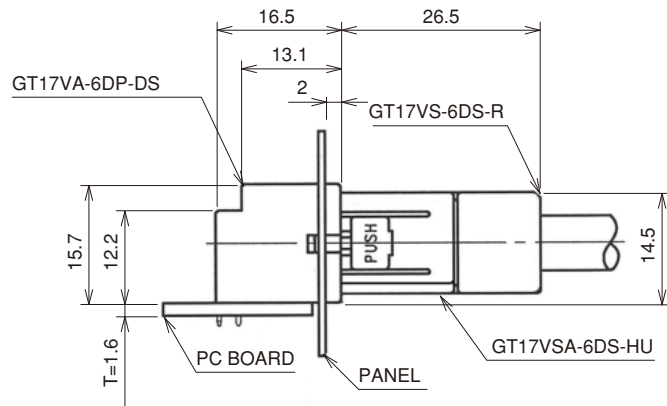


GT17VA-6DP-DS(70)

### In Combination with a Right-angle Connector (Facing Up)



### In Combination with a Straight Connector



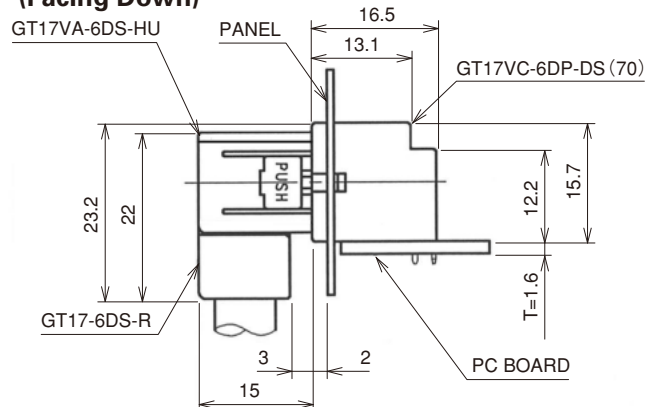
| Part No.          | HRS No.       | Material / Plating or Color                                                                            | Packaging | RoHS |
|-------------------|---------------|--------------------------------------------------------------------------------------------------------|-----------|------|
| GT17VA-6DP-DS(70) | 767-0025-7 70 | Housing: PBT/Black<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating | 1         | YES  |

● Cable extraction facing down



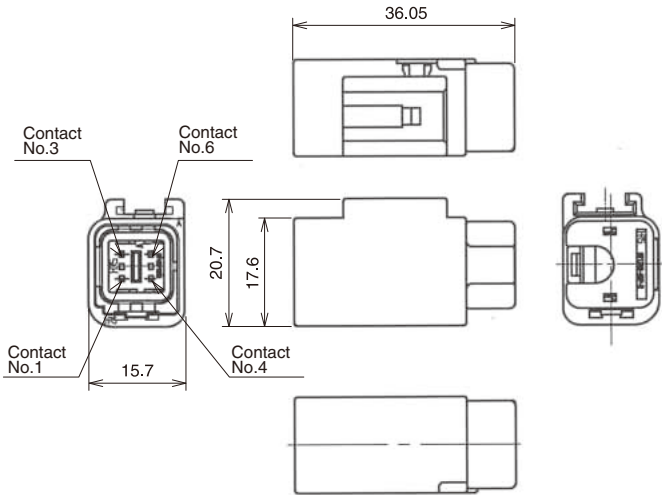
GT17VC-6DP-DS(70)

### 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<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating | 1         | YES  |

6 Pos. In-line Connectors



◆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 |                             |           |      |
| GT17VSN-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  |

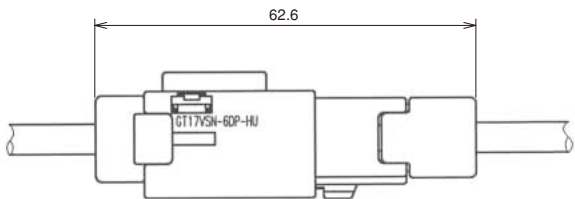
● Center terminal

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 | GT17VSN-6DP-HU    | GT17VA-6DS-HU        |
|       |                   | GT17VSA-6DS-HU       |

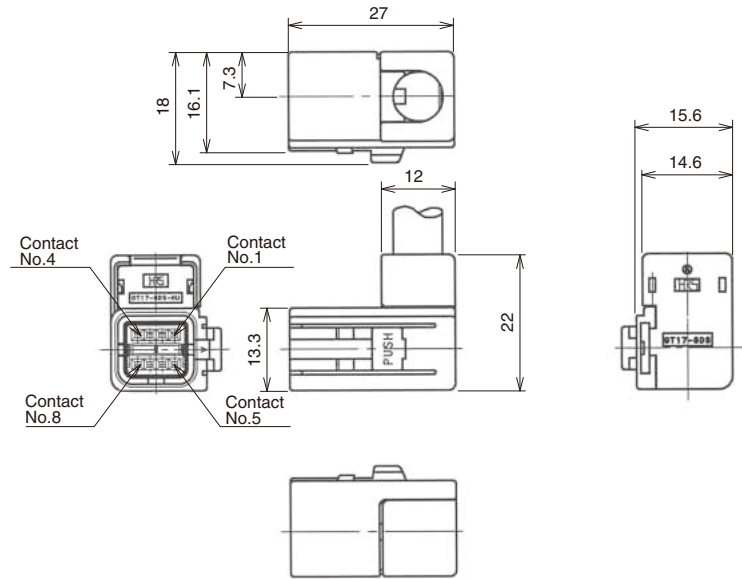
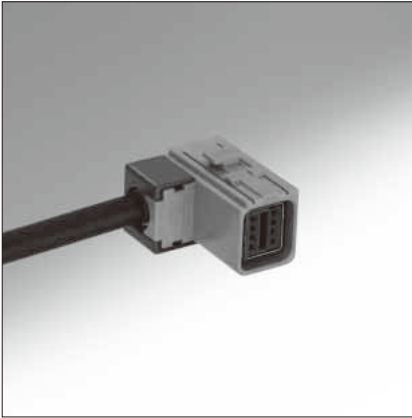
◆Mated Condition





## 8 Pos. Right-angle Connectors

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



◆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

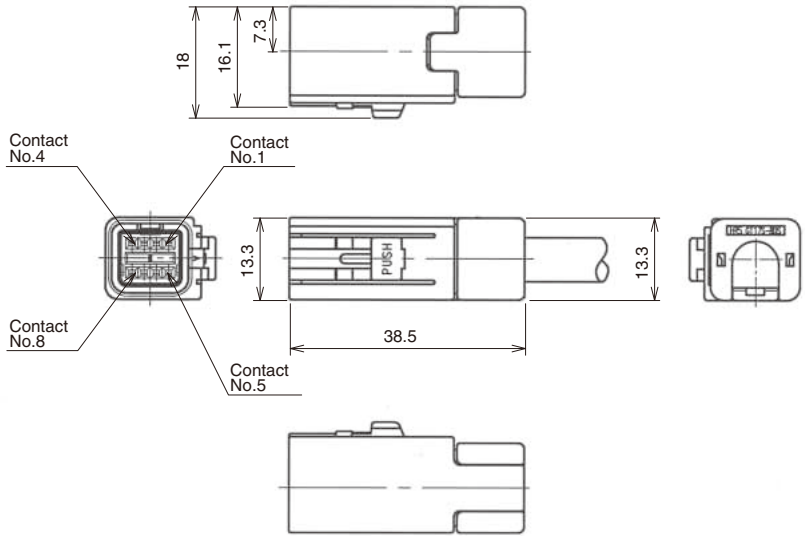
### ◆Mating Table

| 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) |



8 Pos. Straight Connectors

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



◆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

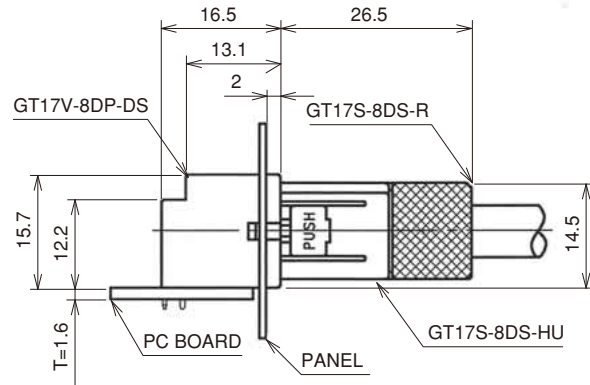
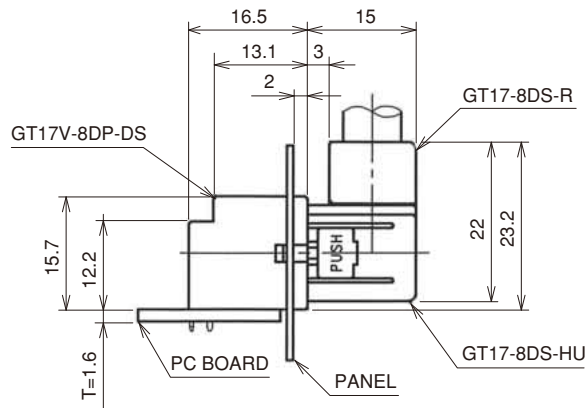
| Color | Cable side connector | Board connector  |
|-------|----------------------|------------------|
| Gray  | GT17S-8DS-HU         | GT17V-8DP-DS     |
|       |                      | GT17VB-8DP-DS    |
|       |                      | GT17VB-8DP-DS-SB |
| Black | GT17SA-8DS-HU        | GT17VA-8DP-DS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

## 8 Pos. Printed Circuit Board Connectors

### ● Cable extraction facing up

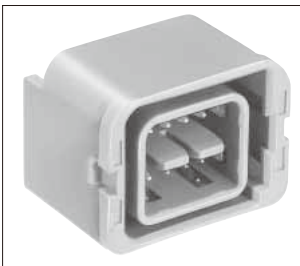


**GT17V-8DP-DS**



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

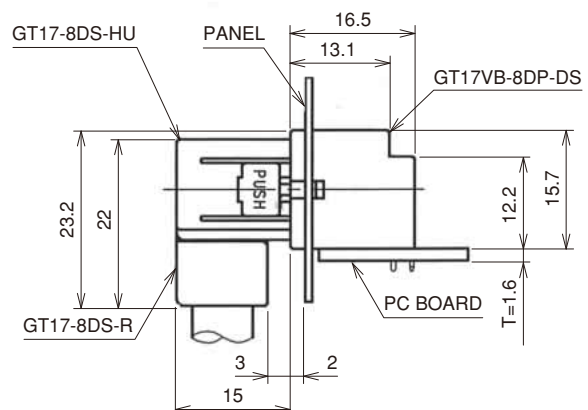
### ● Cable extraction facing down



**GT17VB-8DP-DS**



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



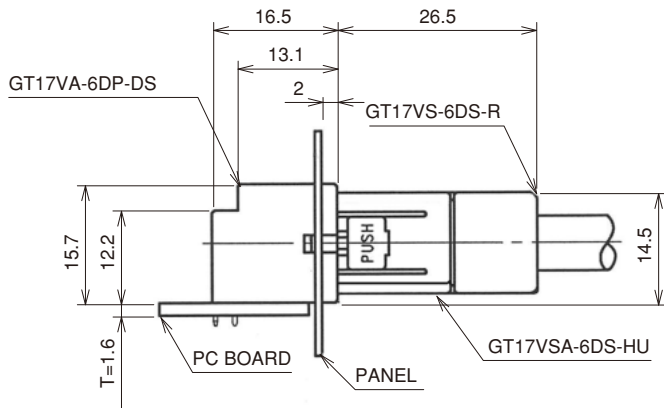
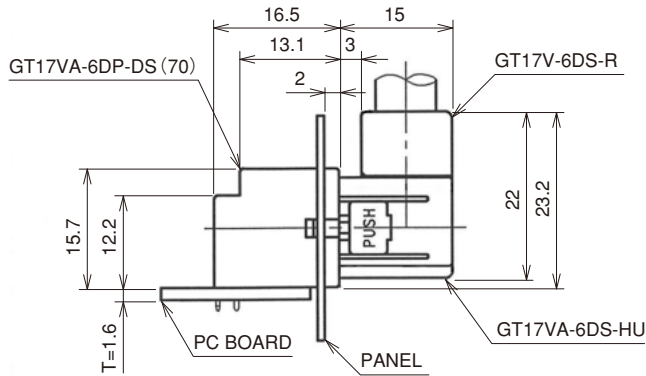
| Part No.         | HRS No.    | Material / Plating or Color                                                                                                                    | Packaging | RoHS |
|------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------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

8 Pos. Printed Circuit Board Connectors

● Cable extraction facing up



GT17VA-8DP-DS



| Part No.      | HRS No.    | Material / Plating or Color                                                                            | Packaging | RoHS |
|---------------|------------|--------------------------------------------------------------------------------------------------------|-----------|------|
| GT17VA-8DP-DS | 767-0200-5 | Housing: PBT/Black<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating | 1         | YES  |

● Cable extraction facing down

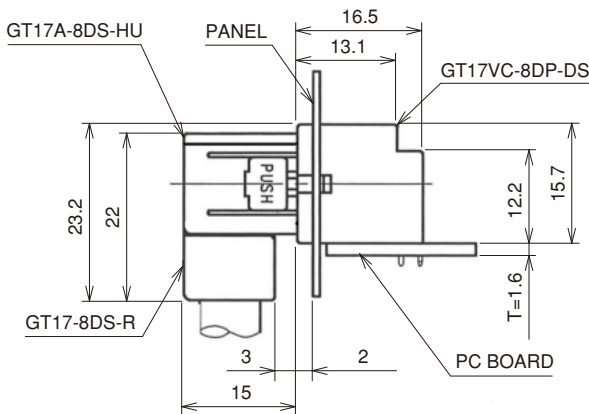


GT17VC-8DP-DS



GT17VC-8DP-DS-SB

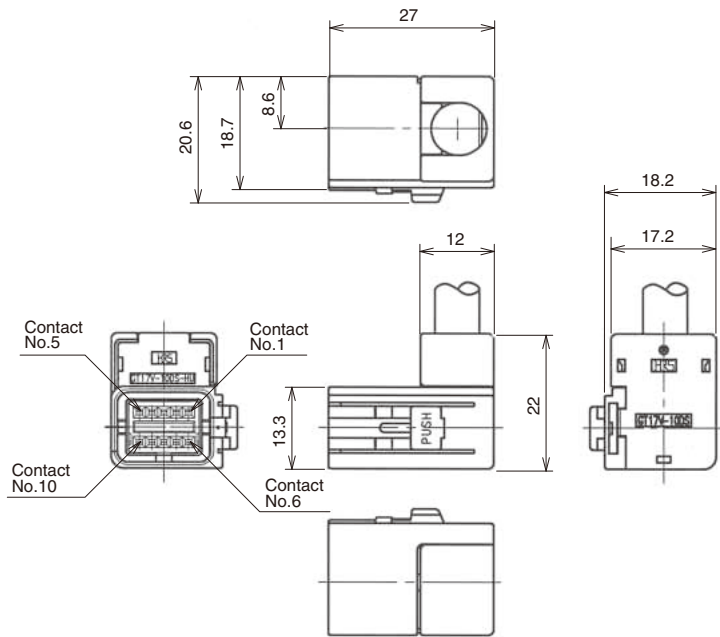
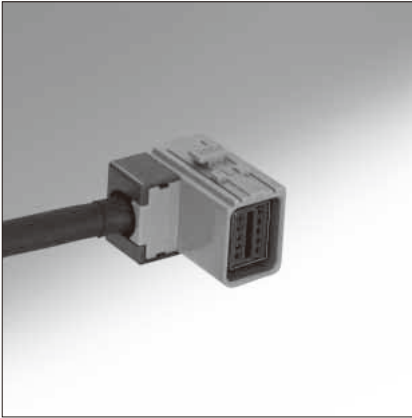
(with enhanced shielding type)



| Part No.         | HRS No.    | Material / Plating or Color                                                                                                               | Packaging | RoHS |
|------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|
| GT17VC-8DP-DS    | 767-0199-8 | Housing: PBT/Black<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating                                    | 1         | YES  |
| GT17VC-8DP-DS-SB | 767-0124-9 | Housing: PBT/Black<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating<br>Shield Case: Brass /Tin plating |           |      |

## 10 Pos. Right-angle Connectors

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



◆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

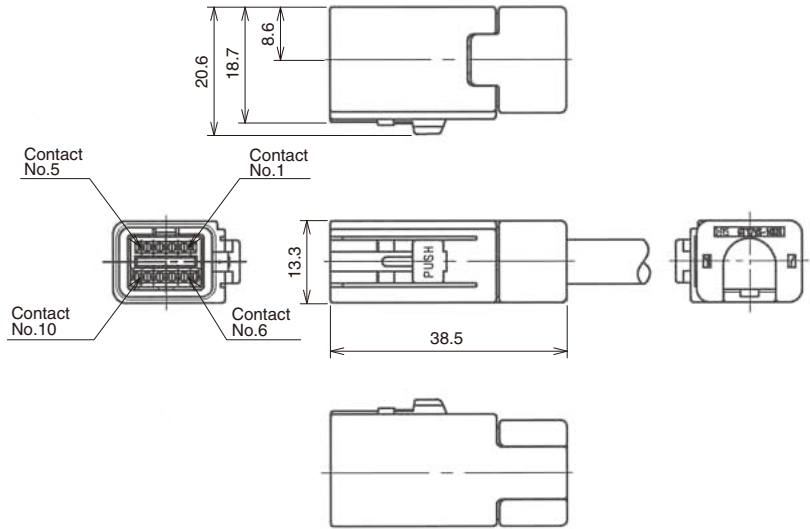
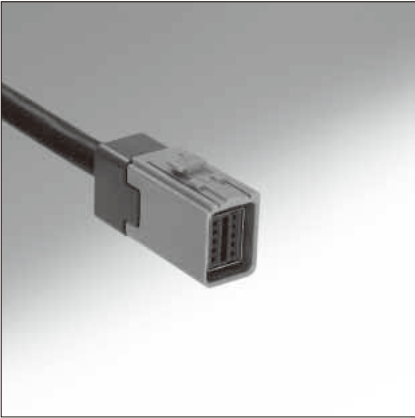
Used with 6, 8, and 10 pos. cable

## ◆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)                                       |

10 Pos. Straight Connectors

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



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  | φ 7.5 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     |

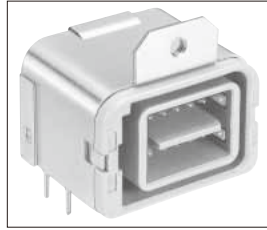
## 10 Pos. Printed Circuit Board Connectors

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

### ● Right-angle type

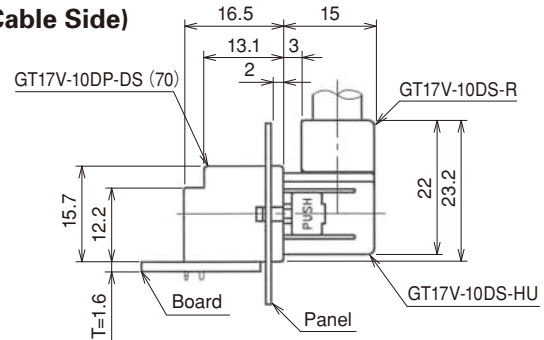


GT17V-10DP-DS(70)

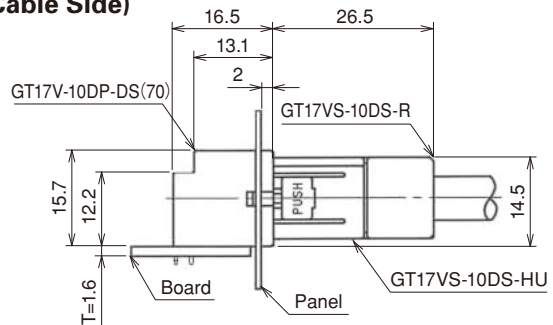


GT17V-10DP-DS-SB(70)  
(with enhanced shielding type)

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

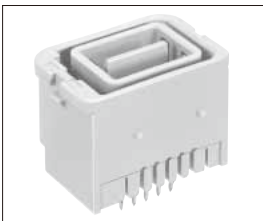


### In Combination with a Straight Connector (Cable Side)



| Part No.             | HRS No.       | Material / Plating or Color                                                                                                                    | Packaging | RoHS |
|----------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|
| GT17V-10DP-DS(70)    | 767-0034-8 70 | Housing: PBT/Light Gray<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating                                    | 1         | YES  |
| GT17V-10DP-DS-SB(70) | 767-0069-2 70 | Housing: PBT/Light Gray<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating<br>Shield case: Brass /Tin plating |           |      |

### ● Straight-type

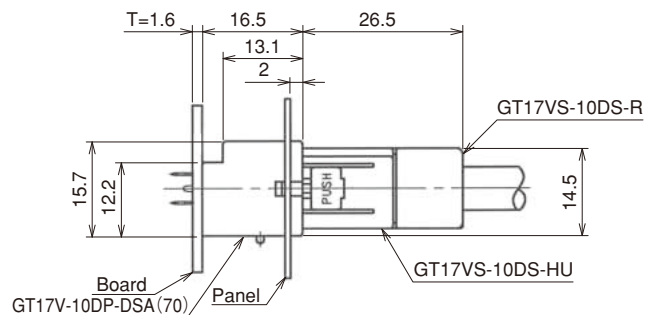


GT17V-10DP-DSA(70)



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

### In Combination with a Straight Connector (Cable Side)



| Part No.           | HRS No.       | Material / Plating or Color                                                                                                                    | Packaging | RoHS |
|--------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|
| GT17V-10DP-DSA(70) | 767-0067-7 70 | Housing: PBT/Light Gray<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating                                    | 1         | YES  |
| GT17V-10DP-DSA-SB  | 767-0154-0    | Housing: PBT/Light Gray<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating<br>Shield case: Brass /Tin plating |           |      |

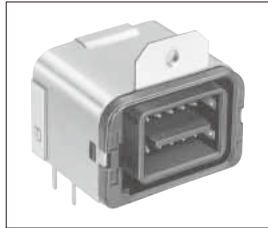
10 Pos. Printed Circuit Board Connectors

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

Right-angle type

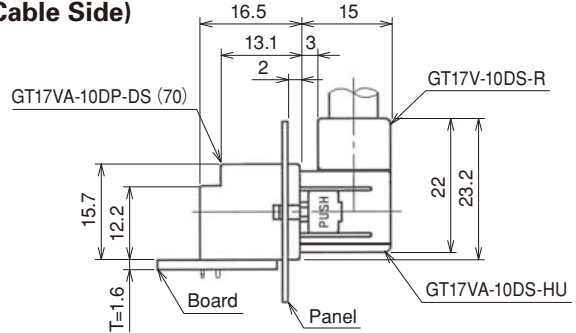


GT17VA-10DP-DS(70)

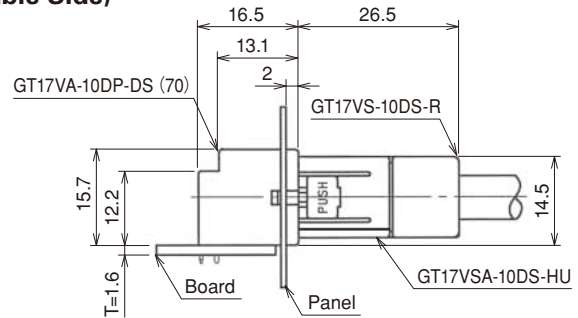


GT17VA-10DP-DS-SB(70)  
(with enhanced shielding type)

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

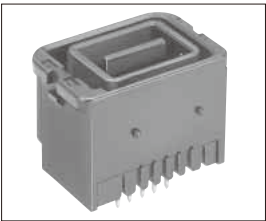


In Combination with a Straight Connector  
(Cable Side)



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

Straight-type

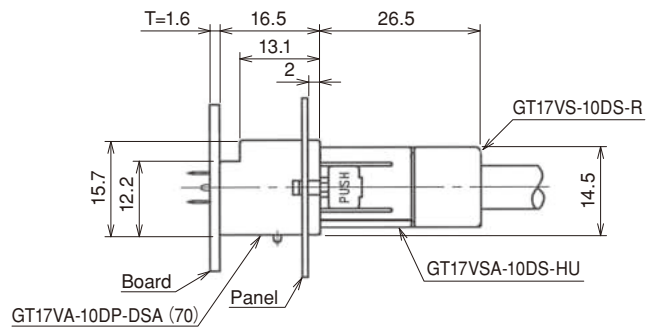


GT17VA-10DP-DSA(70)



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

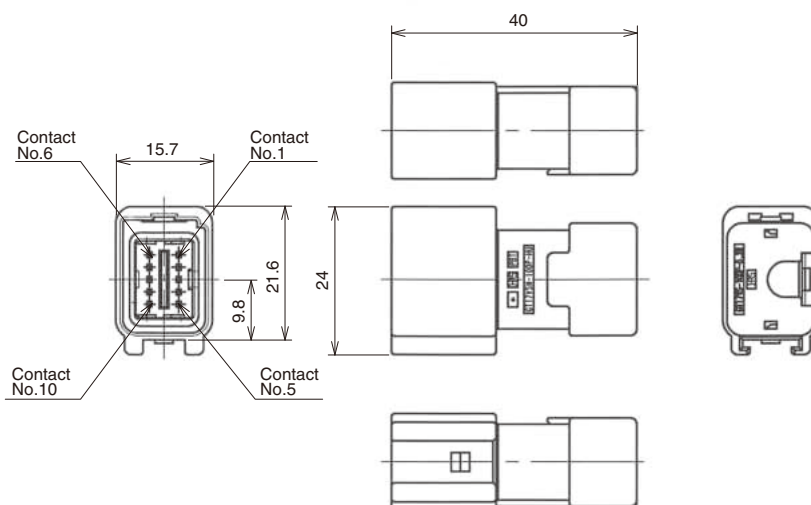
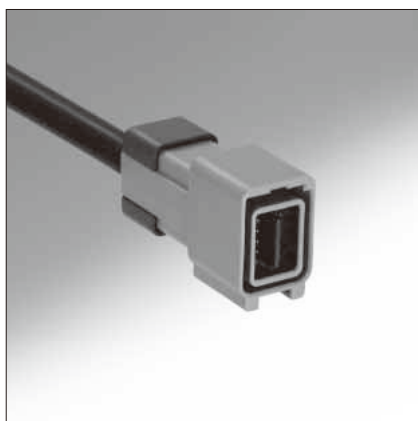
In Combination with a Straight Connector  
(Cable Side)



| Part No.            | HRS No.       | Material / Plating or Color                                                                                                               | Packaging | RoHS |
|---------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|
| GT17VA-10DP-DSA(70) | 767-0068-0 70 | Housing: PBT/Black<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating                                    | 1         | YES  |
| GT17VA-10DP-DSA-SB  | 767-0174-7    | Housing: PBT/Black<br>Center terminal: Brass /Tin plating<br>Outer terminal: Copper alloy /Tin plating<br>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  |

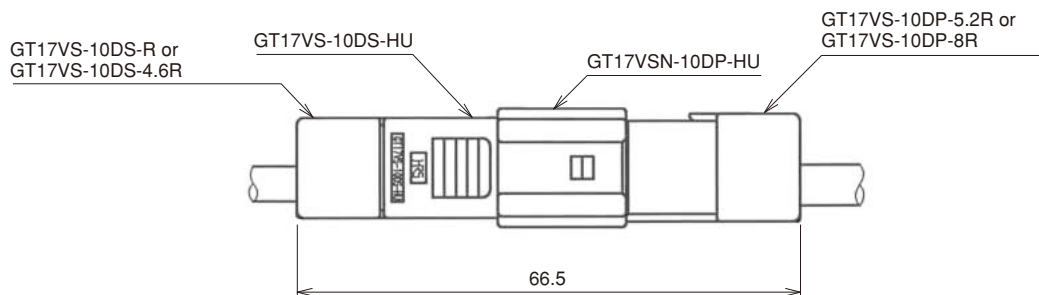
#### ● Retainer

| 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

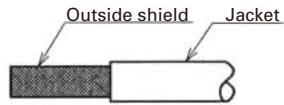
Used with 6, and 10 pos. cable

### ◆Mated condition

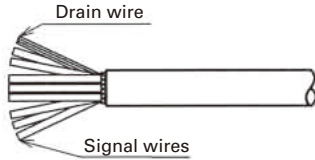


## ◆Wiring Method

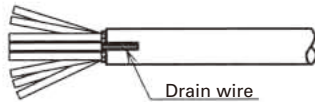
### ① Strip the Jacket.



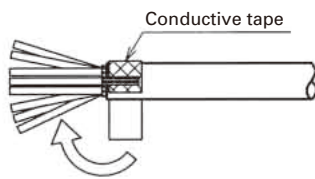
### ② Cut the shield and intermediate material to expose the wire and braid.



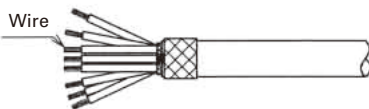
### ③ Bend back the drain wire over the Jacket.



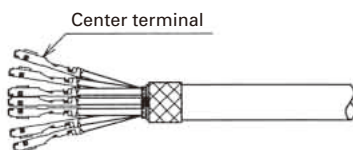
### ④ Wrap with conductive tape.



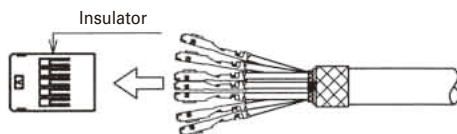
### ⑤ Strip the wire leads.



### ⑥ Crimp the center terminals.

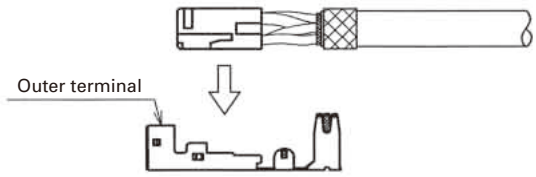


### ⑦ Insert the center terminals into the insulator.

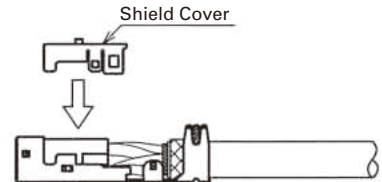


### GT17V-10DS-HU Harness Finish

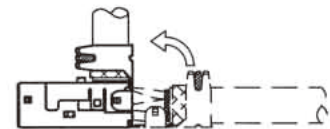
### ⑧ Insert the insulator into the Outer terminal.



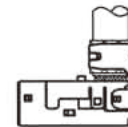
### ⑨ Insert the Shield Cover.



### ⑩ Fold back the Outer terminal.



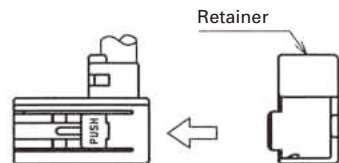
### ⑪ Crimp the Outer terminal.



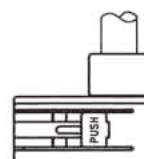
### ⑫ Insert the Outer terminal into the housing.



### ⑬ Insert the retainer.



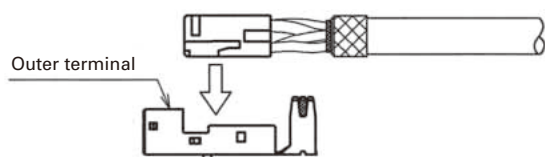
### ⑭ Completion



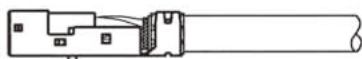
\*Crimp height setting tables are available for each cable type. Please contact your nearest Hirose Electric account representative.  
Different cables will require different crimp height settings.

**GT17VS-10DS-HU Harness Finish**

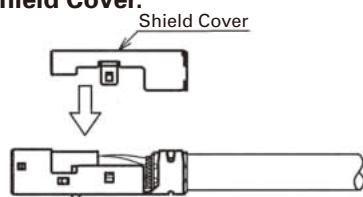
- ⑧ Insert the insulator into the Outer terminal.



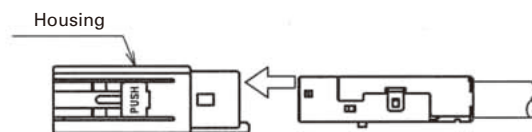
- ⑨ Crimp the Outer terminal.



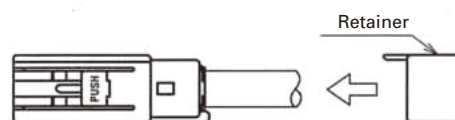
- ⑩ Insert the Shield Cover.



- ⑪ Insert the Outer terminal into the housing.



- ⑫ Insert the retainer.

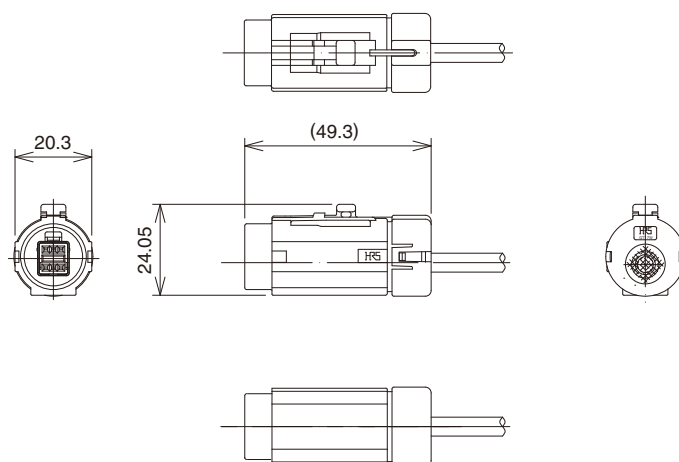


- ⑬ Completion



## ■ 6 pos. In-line Type (Waterproof Type)

### ● F 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-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  |

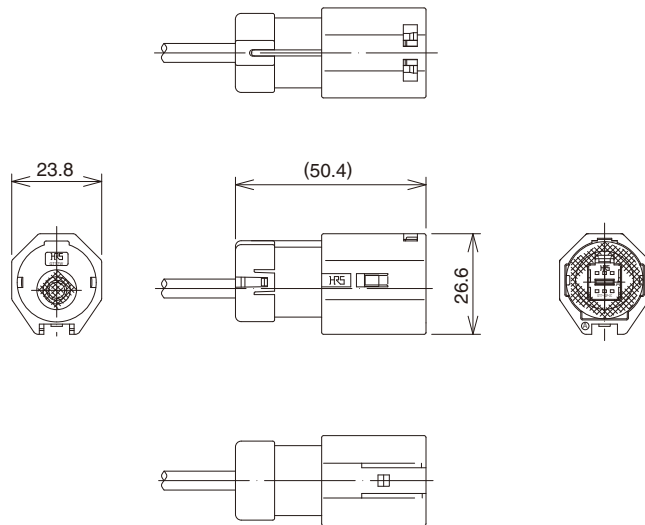
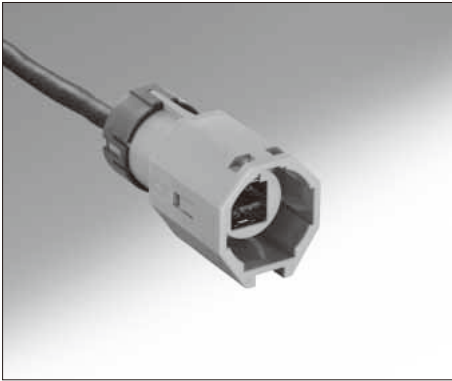
##### ● Retainer

| Part No.     | HRS No.    | Material / Plating or Color      | Packaging | RoHS |
|--------------|------------|----------------------------------|-----------|------|
| GT17W-1P/S-R | 767-0216-5 | PBT / Dark Gray<br>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<br>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  |

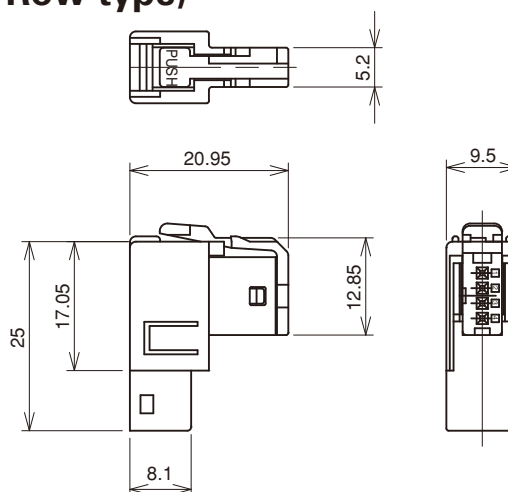
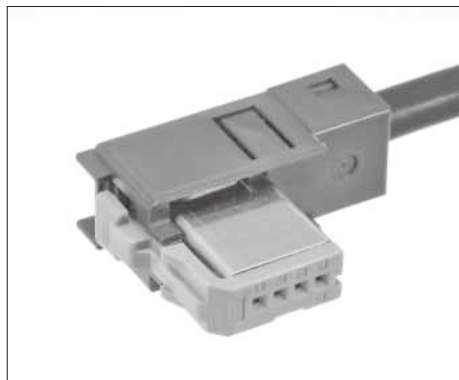
#### ● Retainer

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

#### ● Center terminal

Used with 6, and 10 Pos. cable

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



### Key Variation

|            |       |       |       |
|------------|-------|-------|-------|
|            |       |       |       |
| 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

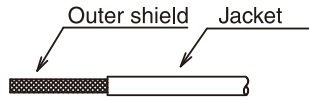
| Part No.        | HRS No.       | Material / Plating or Color   | Conductor Size(AWG) | Outer Diameter | Packaging       | RoHS |
|-----------------|---------------|-------------------------------|---------------------|----------------|-----------------|------|
| GT8-2428SCF(70) | 758-0001-8 70 | Phosphor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

### ◆Mating Table

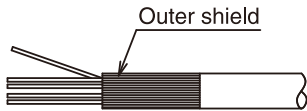
| Color      | Cable side connector     | Board connector          |                 |                  |
|------------|--------------------------|--------------------------|-----------------|------------------|
|            |                          | SMT Type                 | DIP Type        |                  |
|            |                          |                          | 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) |

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

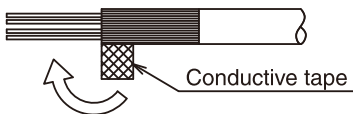
### ① Strip Jacket.



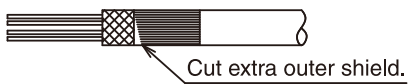
### ② Turn Outer shield to Backward.



### ③ Cover the cable by conductive tape.



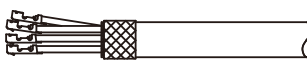
### ④ Cut extra outer shield.



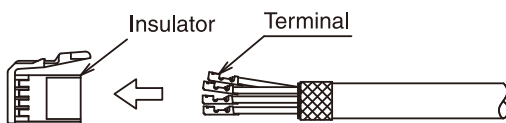
### ⑤ Strip Jacket.



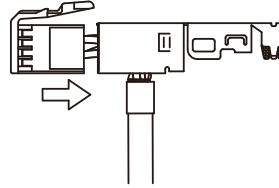
### ⑥ Crimp the terminal.



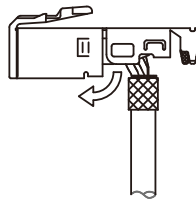
### ⑦ Insert center terminal to the insulator.



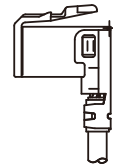
### ⑧ Insert insulator to the outer terminal.



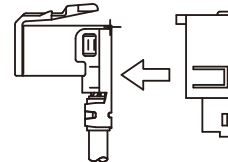
### ⑨ Bent the outer tube terminal.



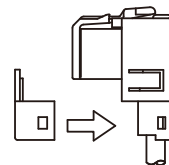
### ⑩ Crimp the outer tube terminal.



### ⑪ Insert the assembled outer tube terminal to the housing.



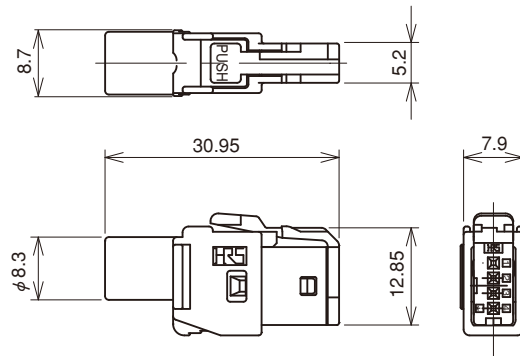
### ⑫ Set the Retainer.



\* 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)



Key Variation

|            |       |       |       |
|------------|-------|-------|-------|
|            |       |       |       |
| Standard   | Key A | Key B | Key C |
| 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

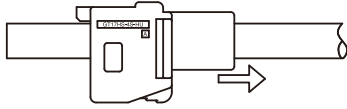
| Part No.        | HRS No.       | Material / Plating or Color   | Conductor Size(AWG) | Outer Diameter | Packaging       | RoHS |
|-----------------|---------------|-------------------------------|---------------------|----------------|-----------------|------|
| GT8-2428SCF(70) | 758-0001-8 70 | Phosphor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

◆Mating Table

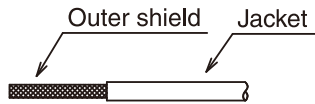
| Color      | Cable side connector     | Board connector          |                 |                  |
|------------|--------------------------|--------------------------|-----------------|------------------|
|            |                          | SMT Type                 | DIP Type        |                  |
|            |                          |                          | 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) |

## ◆ Wiring Method (4 Pos. Straight 1 RowType)

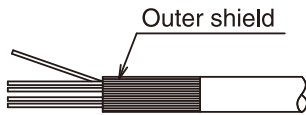
- ① Insert housing to the cable.



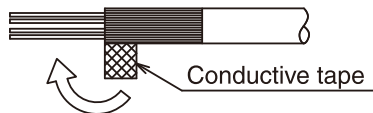
- ② Strip Jacket.



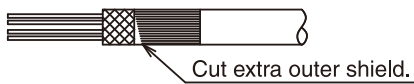
- ③ Turn Outer shield to backward.



- ④ Cover the cable by conductive tape.



- ⑤ Cut extra outer shield.



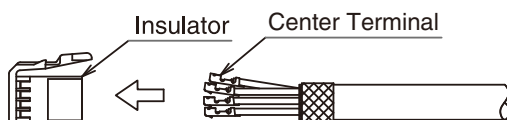
- ⑥ Strip Jacket.



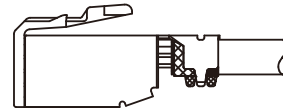
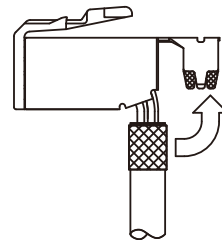
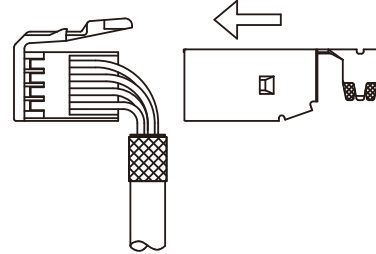
- ⑦ Crimp the terminal.



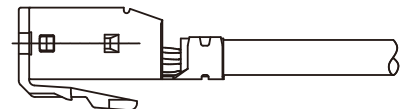
- ⑧ Insert terminal to the Insulator.



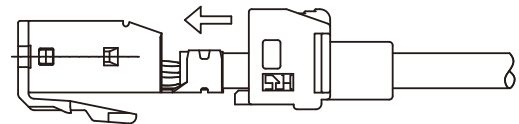
- ⑨ Set outer tube terminal to the insulator.



- ⑩ Crimp outer terminal.



- ⑪ Slide up housing to outer terminal.



- ⑫ Finish.

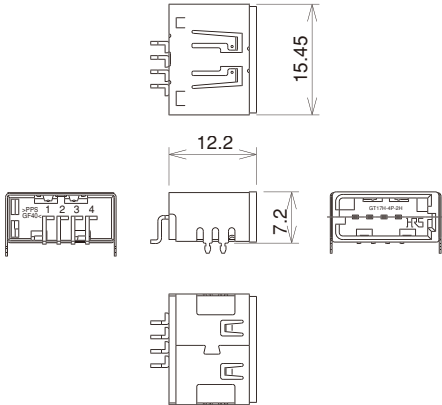


\* Concerning the crimp height of terminals, crimp height settings have been prepared for each type of cable. Please contact a Hirose Electric account representative for further information.  
Please note that new crimp height settings will be made for new cables and that this might take several days.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

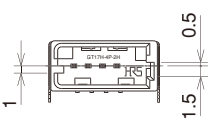
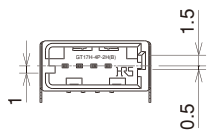
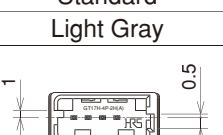
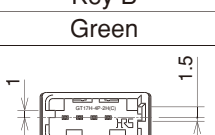
■ 4 Pos. Board Connectors  
(1 Row type, Right-angle SMT Type, Right side key)



GT17H-4P-2H



Key Variation

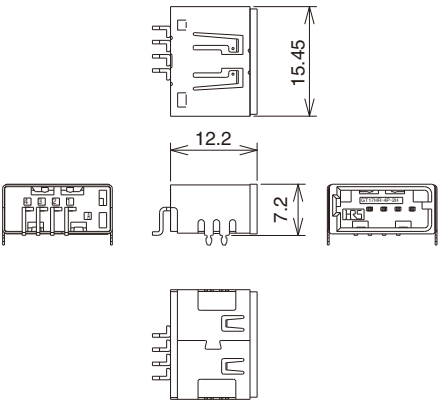
|                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| Standard<br>Light Gray                                                             | Key B<br>Green                                                                      |
|  |  |
| Key A<br>Brown                                                                     | Key C<br>Blue                                                                       |

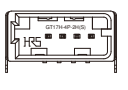
| Part No.       | HRS No.    | Color      | Material / Plating                                                                          | Packaging    | RoHS |
|----------------|------------|------------|---------------------------------------------------------------------------------------------|--------------|------|
| GT17H-4P-2H    | 767-0083-3 | Light Gray | Housing:PPS<br>Center terminal:Brass/Tin plating<br>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)



GT17HR-4P-2H



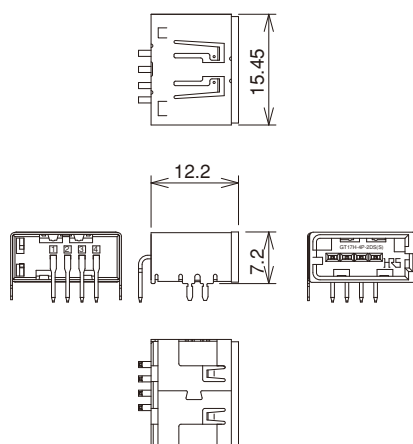
|                                                                                       |
|---------------------------------------------------------------------------------------|
|  |
| Standard<br>Light Gray                                                                |

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

## ■ 4 Pos. Printed Circuit Board Connector (Right angle DIP type)



GT17H-4P-2DS

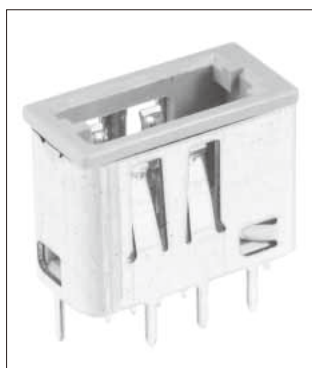


Key Variation

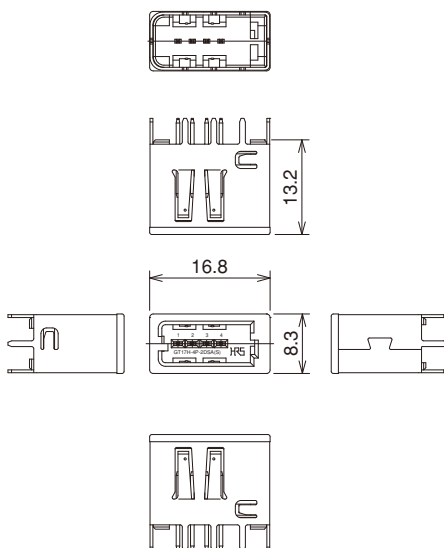
|            |       |
|------------|-------|
|            |       |
| Standard   | Key B |
| Light Gray | Green |
|            |       |
| Key A      | Key C |
| Brown      | Blue  |

| Part No.        | HRS No.    | Color      | Material / Plating                                                                          | Packaging   | RoHS |
|-----------------|------------|------------|---------------------------------------------------------------------------------------------|-------------|------|
| GT17H-4P-2DS    | 767-0166-9 | Light Gray | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 300pcs/reel | YES  |
| GT17H-4P-2DS(A) | 767-0210-9 | Brown      |                                                                                             |             |      |
| GT17H-4P-2DS(B) | 767-0211-1 | Green      |                                                                                             |             |      |
| GT17H-4P-2DS(C) | 767-0212-4 | Blue       |                                                                                             |             |      |

## ■ 4 Pos. Printed Circuit Board Connector (Straight DIP type)



GT17H-4P-2DSA

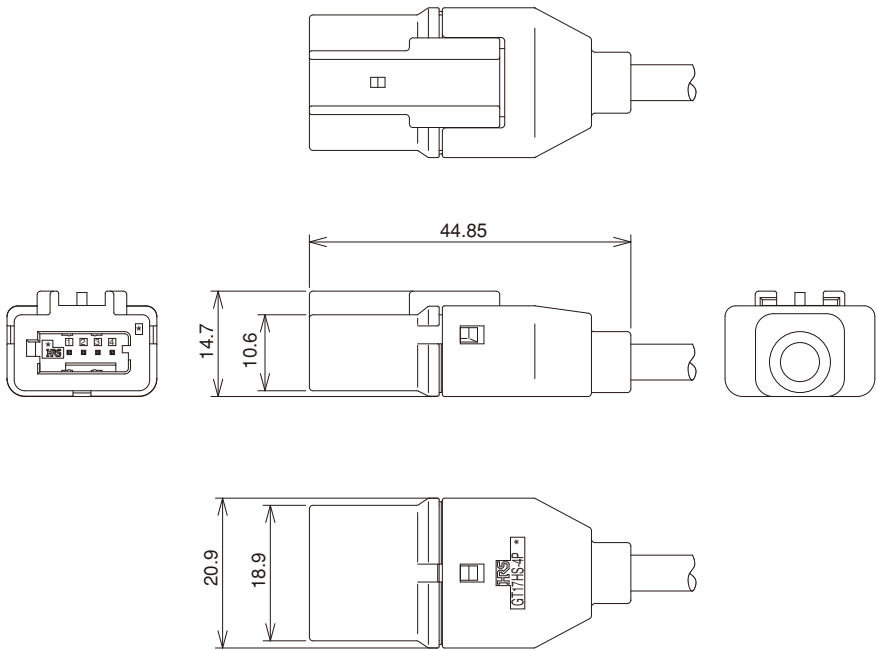
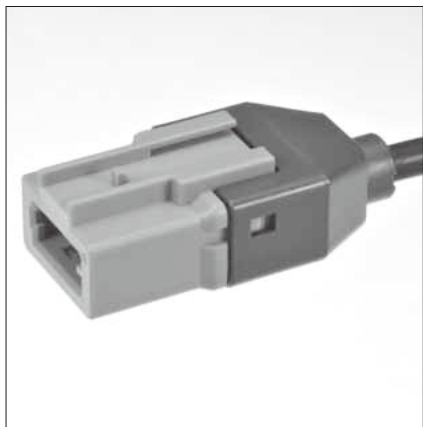


Key Variation

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

| Part No.         | HRS No.    | Color      | Material / Plating                                                                          | Packaging | RoHS |
|------------------|------------|------------|---------------------------------------------------------------------------------------------|-----------|------|
| GT17H-4P-2DSA    | 767-0181-2 | Light Gray | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 1         | YES  |
| GT17H-4P-2DSA(A) | 767-0182-5 | Brown      |                                                                                             |           |      |
| GT17H-4P-2DSA(B) | 767-0183-8 | Green      |                                                                                             |           |      |
| GT17H-4P-2DSA(C) | 767-0184-0 | Blue       |                                                                                             |           |      |

4 Pos. In-line Connectors



◆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 |
|------------------|------------|-----------------------------|-----------|------|
| GT17HSP-4P-HU    | 767-0158-0 | PBT / Light Gray            | 1         | YES  |
| GT17HSP-4P-HU(A) | 767-0192-9 | PBT / Brown                 |           |      |
| GT17HSP-4P-HU(B) | 767-0193-1 | PBT / Green                 |           |      |
| GT17HSP-4P-HU(C) | 767-0194-4 | PBT / Blue                  |           |      |

● Insulator

| Part No.     | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|--------------|------------|-----------------------------|-----------|------|
| GT17HS-4P-2C | 767-0155-2 | PBT / Light Gray            | 1         | YES  |

● Outer terminal

| Part No.      | HRS No.    | Material / Plating or Color | Outer Diameter | Packaging    | RoHS |
|---------------|------------|-----------------------------|----------------|--------------|------|
| GT17HS-4P-5CF | 767-0156-5 | Copper alloy / Tin plating  | φ4.8 to 5.2    | 800 pcs/reel | YES  |

● Shield plate

| Part No.     | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|--------------|------------|-----------------------------|-----------|------|
| GT17HS-4P-SC | 767-0157-8 | Copper alloy / Tin plating  | 1         | YES  |

● Retainer

| Part No.    | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|-------------|------------|-----------------------------|-----------|------|
| GT17HS-4P-R | 767-0159-3 | PBT / Dark Gray             | 1         | YES  |

● Center terminal

| Part No.     | HRS No.    | Material / Plating or Color   | Conductor Size(AWG) | Outer Diameter | Packaging       | RoHS |
|--------------|------------|-------------------------------|---------------------|----------------|-----------------|------|
| GT8E-2428PCF | 758-0067-6 | Phosphor Bronze / Tin plating | 24 to 28 AWG        | φ0.9 to 1.1    | 10,000 pcs/reel | YES  |

Key Variation

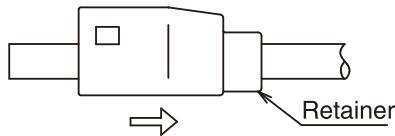
|            |       |
|------------|-------|
|            |       |
| Standard   | Key B |
| Light Gray | Green |
|            |       |
| Key A      | Key C |
| Brown      | Blue  |

◆Mating Table

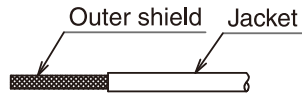
| Color      | GT17HS-4Pos In-line connector | Cable side F connector   |
|------------|-------------------------------|--------------------------|
| Light Gray | GT17HSP-4P-ASSY               | GT17H-4S-ASSY            |
| Brown      | GT17HSP-4P-ASSY(Key typeA)    | GT17H-4S-ASSY(Key typeA) |
| Green      | GT17HSP-4P-ASSY(Key typeB)    | GT17H-4S-ASSY(Key typeB) |
| Blue       | GT17HSP-4P-ASSY(Key typeC)    | GT17H-4S-ASSY(Key typeC) |

## ◆ Wiring Method (4 Pos. In-line Connector)

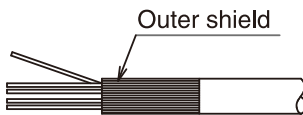
- ① Insert retainer to the cable.



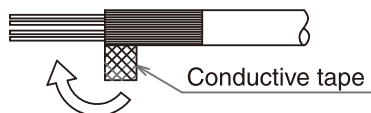
- ② Strip Jacket.



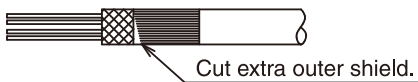
- ③ Turn Outer shield to backward.



- ④ Cover the cable by conductive tape.



- ⑤ Cut extra outer shield.



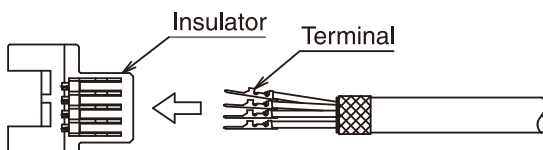
- ⑥ Strip Jacket.



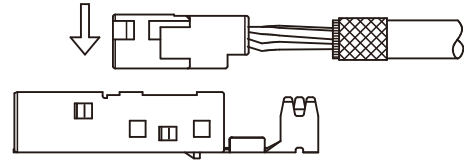
- ⑦ Crimp the terminal.



- ⑧ Insert terminal to the Insulator.



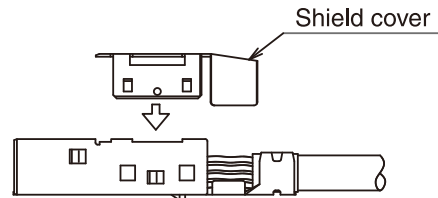
- ⑨ Set the insulator to the outer tube terminal.



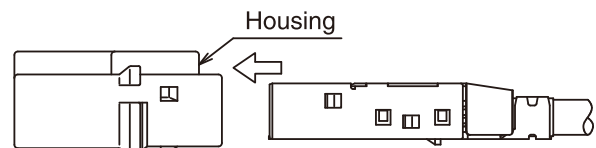
- ⑩ Crimp the outertube terminal.



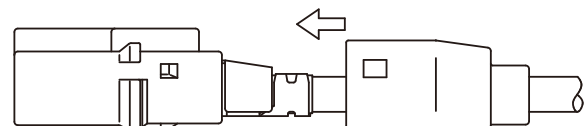
- ⑪ Set the shield cover to the outer tube terminal.



- ⑫ Insert the outer tube terminal to the housing.



- ⑬ Slide up the retainer to the housing.



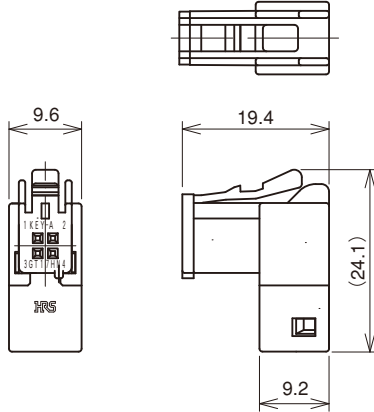
- ⑭ Finish



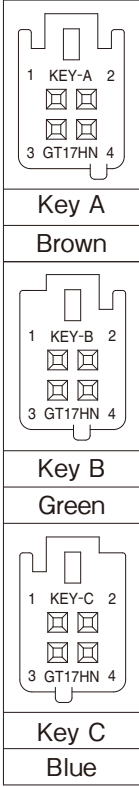
\* Concerning the crimp height of terminals, crimp height settings have been prepared for each type of cable. Please contact a Hirose Electric account representative for further information.

Please note that new crimp height settings will be made for new cables and that this might take several days.

■ 4 Pos. Right-angle Connectors



Key Variation



◆The product comprises 5 parts.  
(Housing, insulator, outer terminal, retainer, center terminal)

● Housing

| Part No.      | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|---------------|------------|-----------------------------|-----------|------|
| GT17HN-4DS-HU | 767-0141-8 | PBT / Dark Gray             | 1         | YES  |

● Insulator

| Part No.         | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|------------------|------------|-----------------------------|-----------|------|
| GT17HN-4DS-2C(A) | 767-0140-5 | PBT / Brown                 | 1         | YES  |
| GT17HN-4DS-2C(B) | 767-0147-4 | PBT / Green                 |           |      |
| GT17HN-4DS-2C(C) | 767-0148-7 | PBT / Blue                  |           |      |

● Outer terminal

| Part No.       | HRS No.    | Material / Plating or Color | Outer Diameter | Packaging | RoHS |
|----------------|------------|-----------------------------|----------------|-----------|------|
| GT17HN-4DS-5CF | 767-0142-0 | Copper alloy / Tin plating  | φ4.8 to 5.2    | 1         | YES  |

● Retainer

| Part No.     | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|--------------|------------|-----------------------------|-----------|------|
| GT17HN-4DS-R | 767-0143-3 | PBT / Dark Gray             | 1         | YES  |

● Center terminal

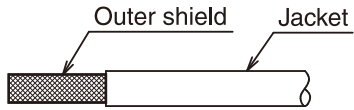
| Part No.        | HRS No.       | Material / Plating or Color   | Conductor Size(AWG) | Outer Diameter | Packaging       | RoHS |
|-----------------|---------------|-------------------------------|---------------------|----------------|-----------------|------|
| GT8-2428SCF(70) | 758-0001-8 70 | Phosphor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

◆ Mating Table

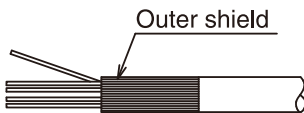
| Color | Cable side connector        | Board connector                                                                                                                                           |                                                                                                           |
|-------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|       |                             | SMT Type                                                                                                                                                  | DIP Type                                                                                                  |
| Brown | GT17HN-4DS-ASSY (Key typeA) | GT17HN-4DP-2H(A)<br>GT17HN-4DP-2H(A)(11)<br>GT17HN-4DP-2H(A)(14)<br>GT17HNR-4DP-2H(A)<br>GT17HNL-4DP-2H(A)<br>GT17HN-4/4DP-2H(AA)<br>GT17HND-4/4DP-2H(AA) | GT17HJ-4DP-2DSA<br>GT17HG-4DP-2DSA(A)<br>GT17HN-4DP-2DS(A)<br>GT17HNF-4DP-2DS(A)<br>GT17HN-4DP-2DS(A)(10) |
| Green | GT17HN-4DS-ASSY (Key typeB) | GT17HN-4DP-2H(B)<br>GT17HN-4DP-2H(B)(11)<br>GT17HN-4DP-2H(B)(14)<br>GT17HNL-4DP-2H(B)<br>GT17HN-4/4DP-2H(BC)(14)<br>GT17HN-4/4DP-2H(BC)                   | GT17HG-4DP-2DSA(B)<br>GT17HN-4DP-2DS(B)<br>GT17HN-4DP-2DS(B)(10)                                          |
| Blue  | GT17HN-4DS-ASSY (Key typeC) | GT17HN-4DP-2H(C)<br>GT17HN-4DP-2H(C)(11)<br>GT17HN-4DP-2H(C)(14)<br>GT17HNL-4DP-2H(C)<br>GT17HN-4/4DP-2H(BC)<br>GT17HN-4/4DP-2H(BC)(14)                   | GT17HG-4DP-2DSA(C)<br>GT17HN-4DP-2DS(C)<br>GT17HN-4DP-2DS(C)(10)                                          |

## ◆ Wiring Method (4-Conductor Right-angle Connectors)

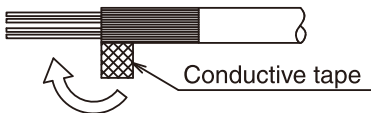
### ① Strip Jacket.



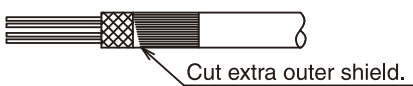
### ② Turn Outer shield to backward.



### ③ Cover the cable by conductive tape.



### ④ Cut extra outer shield.



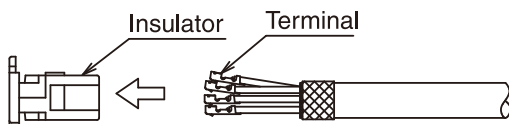
### ⑤ Strip Jacket.



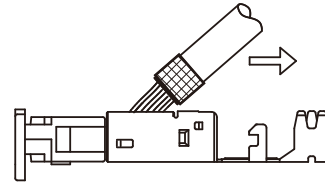
### ⑥ Crimp the terminal.



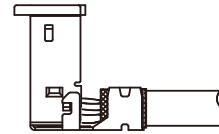
### ⑦ Insert terminal to the Insulator.



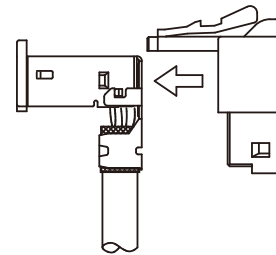
### ⑧ Insert insulator to the Outer tube terminal.



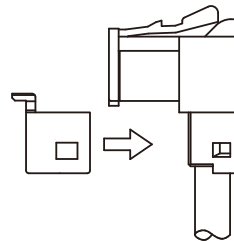
### ⑨ Crimp the outer tube terminal.



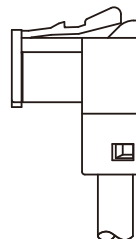
### ⑩ Insert the assembled outer tube terminal to the housing.



### ⑪ Set the Retainer.



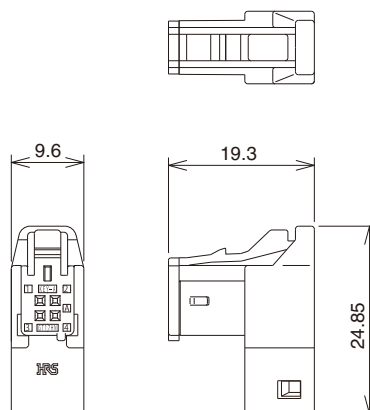
### ⑫ Finish.



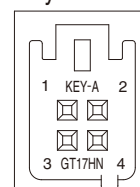
\* Concerning the crimp height of terminals, crimp height settings have been prepared for each type of cable. Please contact a Hirose Electric account representative for further information.  
Please note that new crimp height settings will be made for new cables and that this might take several days.



## 4 Pos. Right-angle Connectors (downward) With lock guard

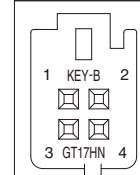


### Key Variation



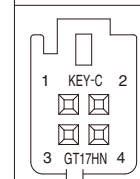
Key A

Brown



Key B

Green



Key C

Blue

◆ The product comprises 5 parts.  
(Housing, insulator, outer terminal, retainer, center terminal)

#### ● Housing

| Part No.       | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|----------------|------------|-----------------------------|-----------|------|
| GT17HN2-4DS-HU | 767-0264-8 | PBT / Dark Gray             | 1         | YES  |

#### ● Insulator

| Part No.         | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|------------------|------------|-----------------------------|-----------|------|
| GT17HN-4DS-2C(A) | 767-0140-5 | PBT / Brown                 | 1         | YES  |
| GT17HN-4DS-2C(B) | 767-0147-4 | PBT / Green                 |           |      |
| GT17HN-4DS-2C(C) | 767-0148-7 | PBT / Blue                  |           |      |

#### ● Outer terminal

| Part No.        | HRS No.    | Material / Plating or Color | Outer Diameter | Packaging | RoHS |
|-----------------|------------|-----------------------------|----------------|-----------|------|
| GT17HNX-4DS-5CF | 767-0179-0 | Copper alloy / Tin plating  | φ4.8 to 5.2    | 1         | YES  |

#### ● Retainer

| Part No.      | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|---------------|------------|-----------------------------|-----------|------|
| GT17HN2-4DS-R | 767-0268-9 | PBT / Dark Gray             | 1         | YES  |

#### ● Center terminal

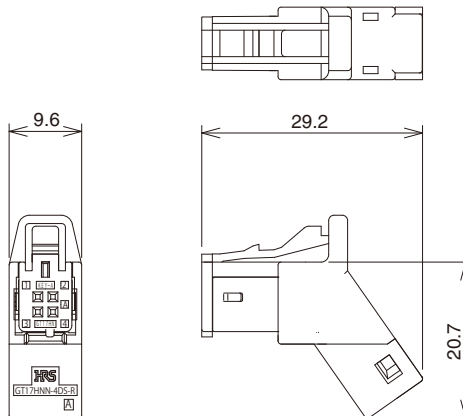
| Part No.        | HRS No.       | Material / Plating or Color   | Conductor Size(AWG) | Outer Diameter | Packaging       | RoHS |
|-----------------|---------------|-------------------------------|---------------------|----------------|-----------------|------|
| GT8-2428SCF(70) | 758-0001-8 70 | Phosphor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

### ◆ Mating Table

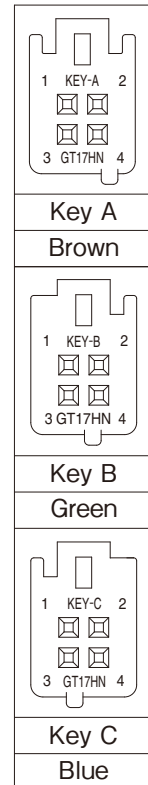
| Color | Cable side connector        | Board connector         |                                                                                                           |
|-------|-----------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------|
|       |                             | SMT Type                | DIP Type                                                                                                  |
| Brown | GT17HN2-4DS-ASSY(Key typeA) | GT17HN-4DP-2H(A)        | GT17HJ-4DP-2DSA<br>GT17HG-4DP-2DSA(A)<br>GT17HN-4DP-2DS(A)<br>GT17HNF-4DP-2DS(A)<br>GT17HN-4DP-2DS(A)(10) |
|       |                             | GT17HN-4DP-2H(A)(11)    |                                                                                                           |
|       |                             | GT17HN-4DP-2H(A)(14)    |                                                                                                           |
|       |                             | GT17HNR-4DP-2H(A)       |                                                                                                           |
|       |                             | GT17HNL-4DP-2H(A)       |                                                                                                           |
|       |                             | GT17HN-4/4DP-2H(AA)     |                                                                                                           |
|       |                             | GT17HND-4/4DP-2H(AA)    |                                                                                                           |
| Green | GT17HN2-4DS-ASSY(Key typeB) | GT17HN-4DP-2H(B)        | GT17HG-4DP-2DSA(B)<br>GT17HN-4DP-2DS(B)<br>GT17HN-4DP-2DS(B)(10)                                          |
|       |                             | GT17HN-4DP-2H(B)(11)    |                                                                                                           |
|       |                             | GT17HN-4DP-2H(B)(14)    |                                                                                                           |
|       |                             | GT17HNL-4DP-2H(B)       |                                                                                                           |
|       |                             | GT17HN-4/4DP-2H(BC)(14) |                                                                                                           |
|       |                             | GT17HN-4/4DP-2H(BC)     |                                                                                                           |
|       |                             | GT17HN-4/4DP-2H(BC)     |                                                                                                           |
| Blue  | GT17HN2-4DS-ASSY(Key typeC) | GT17HN-4DP-2H(C)        | GT17HG-4DP-2DSA(C)<br>GT17HN-4DP-2DS(C)<br>GT17HN-4DP-2DS(C)(10)                                          |
|       |                             | GT17HN-4DP-2H(C)(11)    |                                                                                                           |
|       |                             | GT17HN-4DP-2H(C)(14)    |                                                                                                           |
|       |                             | GT17HNL-4DP-2H(C)       |                                                                                                           |
|       |                             | GT17HN-4/4DP-2H(BC)     |                                                                                                           |
|       |                             | GT17HN-4/4DP-2H(BC)(14) |                                                                                                           |
|       |                             | GT17HN-4/4DP-2H(BC)(14) |                                                                                                           |

## Plug Connectors

### 4 Pos. 45 degree angle type



#### Key Variation



◆ The product comprises 5 parts.  
(Housing, insulator, outer terminal, retainer, center terminal)

#### ● Housing

| Part No.       | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|----------------|------------|-----------------------------|-----------|------|
| GT17HNN-4DS-HU | 767-0187-9 | PBT / Dark Gray             | 1         | YES  |

#### ● Insulator

| Part No.         | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|------------------|------------|-----------------------------|-----------|------|
| GT17HN-4DS-2C(A) | 767-0140-5 | PBT / Brown                 | 1         | YES  |
| GT17HN-4DS-2C(B) | 767-0147-4 | PBT / Green                 |           |      |
| GT17HN-4DS-2C(C) | 767-0148-7 | PBT / Blue                  |           |      |

#### ● Outer terminal

| Part No.        | HRS No.    | Material / Plating or Color | Outer Diameter | Packaging | RoHS |
|-----------------|------------|-----------------------------|----------------|-----------|------|
| GT17HNN-4DS-5CF | 767-0189-4 | Copper alloy / Tin plating  | φ 4.8 to 5.2   | 1         | YES  |

#### ● Retainer

| Part No.      | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|---------------|------------|-----------------------------|-----------|------|
| GT17HNN-4DS-R | 767-0188-1 | PBT / Dark Gray             | 1         | YES  |

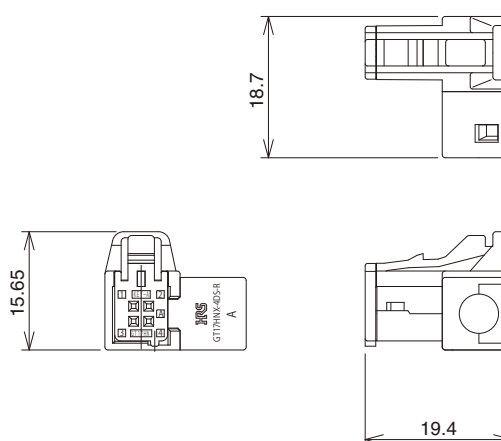
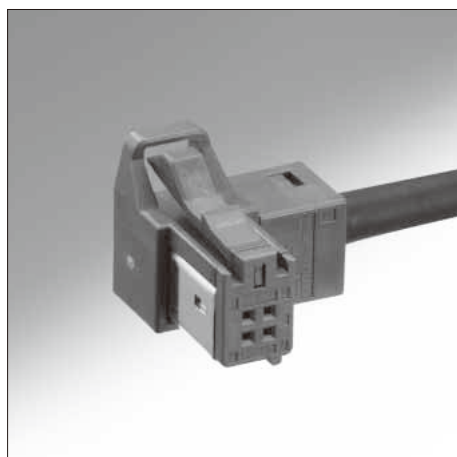
#### ● Center terminal

| 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        | φ 0.8 to 1.5   | 10,000 pcs/reel | YES  |

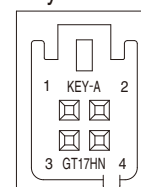
#### ◆ Mating Table

| Color | Cable side connector        | Board connector                                                                                                                                           |                                                                                                            |
|-------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
|       |                             | SMT Type                                                                                                                                                  | DIP Type                                                                                                   |
| Brown | GT17HNN-4DS-ASSY(Key typeA) | GT17HN-4DP-2H(A)<br>GT17HN-4DP-2H(A)(11)<br>GT17HN-4DP-2H(A)(14)<br>GT17HNR-4DP-2H(A)<br>GT17HNL-4DP-2H(A)<br>GT17HN-4/4DP-2H(AA)<br>GT17HND-4/4DP-2H(AA) | GT17HJ-4DP-2DSA<br>GT17HG-4DP-2DSA(A)<br>GT17HNN-4DP-2DS(A)<br>GT17HNF-4DP-2DS(A)<br>GT17HN-4DP-2DS(A)(10) |
| Green | GT17HNN-4DS-ASSY(Key typeB) | GT17HN-4DP-2H(B)<br>GT17HN-4DP-2H(B)(11)<br>GT17HN-4DP-2H(B)(14)<br>GT17HNL-4DP-2H(B)<br>GT17HN-4/4DP-2H(BC)(14)<br>GT17HN-4/4DP-2H(BC)                   | GT17HG-4DP-2DSA(B)<br>GT17HNN-4DP-2DS(B)<br>GT17HN-4DP-2DS(B)(10)                                          |
| Blue  | GT17HNN-4DS-ASSY(Key typeC) | GT17HN-4DP-2H(C)<br>GT17HN-4DP-2H(C)(11)<br>GT17HN-4DP-2H(C)(14)<br>GT17HNL-4DP-2H(C)<br>GT17HN-4/4DP-2H(BC)<br>GT17HN-4/4DP-2H(BC)(14)                   | GT17HG-4DP-2DSA(C)<br>GT17HNN-4DP-2DS(C)<br>GT17HN-4DP-2DS(C)(10)                                          |

## Plug 4 Pos. Right angle (leftward)

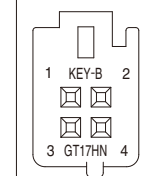


### Key Variation



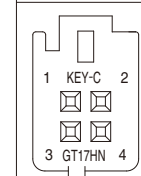
Key A

Brown



Key B

Green



Key C

Blue

◆ The product comprises 5 parts.  
(Housing, insulator, outer terminal, retainer, center terminal)

#### ● Housing

| Part No.       | HRS No.       | Material / Plating or Color | Packaging | RoHS |
|----------------|---------------|-----------------------------|-----------|------|
| GT17HNL-4DS-HU | 767-0302-5 00 | PBT / Dark Gray             | 1         | YES  |

#### ● Insulator

| Part No.         | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|------------------|------------|-----------------------------|-----------|------|
| GT17HN-4DS-2C(A) | 767-0140-5 | PBT / Brown                 | 1         | YES  |
| GT17HN-4DS-2C(B) | 767-0147-4 | PBT / Green                 |           |      |
| GT17HN-4DS-2C(C) | 767-0148-7 | PBT / Blue                  |           |      |

#### ● Outer terminal

| Part No.        | HRS No.       | Material / Plating or Color | Packaging | RoHS |
|-----------------|---------------|-----------------------------|-----------|------|
| GT17HNL-4DS-5CF | 767-0301-2 00 | Copper alloy / Tin plating  | 1         | YES  |

#### ● Retainer

| Part No.      | HRS No.       | Material / Plating or Color | Outer Diameter | Packaging | RoHS |
|---------------|---------------|-----------------------------|----------------|-----------|------|
| GT17HNX-4DS-R | 767-0180-0 00 | PBT / Dark Gray             | φ 4.8 to 5.2   | 1         | YES  |

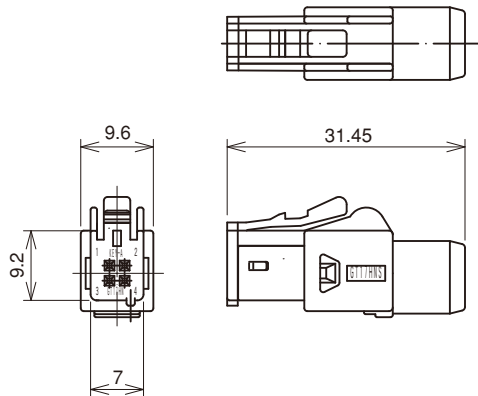
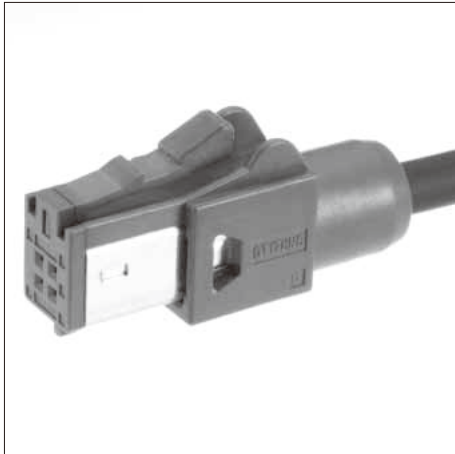
#### ● Center terminal

| 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        | φ 0.8 to 1.5   | 10,000 pcs/reel | YES  |

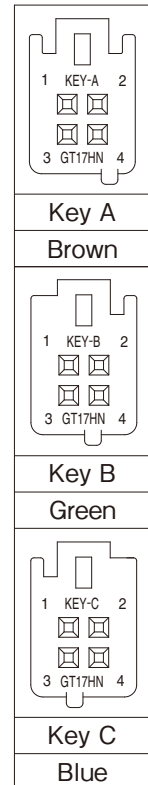
### ◆ Mating Table

| Color | Cable side connector        | Board connector                                                                                                                                           |                                                                                                           |
|-------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|       |                             | SMT Type                                                                                                                                                  | DIP Type                                                                                                  |
| Brown | GT17HNL-4DS-ASSY(Key TypeA) | GT17HN-4DP-2H(A)<br>GT17HN-4DP-2H(A)(11)<br>GT17HN-4DP-2H(A)(14)<br>GT17HNR-4DP-2H(A)<br>GT17HNL-4DP-2H(A)<br>GT17HN-4/4DP-2H(AA)<br>GT17HND-4/4DP-2H(AA) | GT17HJ-4DP-2DSA<br>GT17HG-4DP-2DSA(A)<br>GT17HN-4DP-2DS(A)<br>GT17HNF-4DP-2DS(A)<br>GT17HN-4DP-2DS(A)(10) |
| Green | GT17HNL-4DS-ASSY(Key TypeB) | GT17HN-4DP-2H(B)<br>GT17HN-4DP-2H(B)(11)<br>GT17HN-4DP-2H(B)(14)<br>GT17HNL-4DP-2H(B)<br>GT17HN-4/4DP-2H(BC)(14)<br>GT17HN-4/4DP-2H(BC)                   | GT17HG-4DP-2DSA(B)<br>GT17HN-4DP-2DS(B)<br>GT17HN-4DP-2DS(B)(10)                                          |
| Blue  | GT17HNL-4DS-ASSY(Key TypeC) | GT17HN-4DP-2H(C)<br>GT17HN-4DP-2H(C)(11)<br>GT17HN-4DP-2H(C)(14)<br>GT17HNL-4DP-2H(C)<br>GT17HN-4/4DP-2H(BC)<br>GT17HN-4/4DP-2H(BC)(14)                   | GT17HG-4DP-2DSA(C)<br>GT17HN-4DP-2DS(C)<br>GT17HN-4DP-2DS(C)(10)                                          |

## 4-Conductor Straight Connectors



### Key Variation



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

#### ● Housing

| Part No.       | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|----------------|------------|-----------------------------|-----------|------|
| GT17HNS-4DS-HU | 767-0150-9 | PBT / Dark Gray             | 1         | YES  |

#### ● Insulator

| Part No.         | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|------------------|------------|-----------------------------|-----------|------|
| GT17HN-4DS-2C(A) | 767-0140-5 | PBT / Brown                 | 1         | YES  |
| GT17HN-4DS-2C(B) | 767-0147-4 | PBT / Green                 |           |      |
| GT17HN-4DS-2C(C) | 767-0148-7 | PBT / Blue                  |           |      |

#### ● Outer terminal

| Part No.        | HRS No.    | Material / Plating or Color | Outer Diameter | Packaging | RoHS |
|-----------------|------------|-----------------------------|----------------|-----------|------|
| GT17HNS-4DS-5CF | 767-0151-1 | Copper alloy / Tin plating  | φ 4.8 to 5.2   | 1         | YES  |

#### ● Center terminal

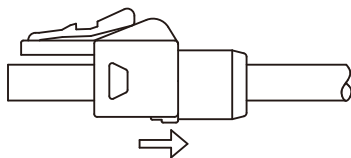
| Part No.        | HRS No.       | Material / Plating or Color   | Conductor Size(AWG) | Outer Diameter | Packaging       | RoHS |
|-----------------|---------------|-------------------------------|---------------------|----------------|-----------------|------|
| GT8-2428SCF(70) | 758-0001-8 70 | Phosphor Bronze / Tin plating | 24 to 28 AWG        | φ 0.8 to 1.5   | 10,000 pcs/reel | YES  |

### ◆Mating Table

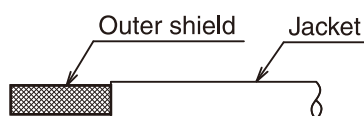
| Color | Cable side connector        | Board connector                                                                                                                                           |                                                                                                           |
|-------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|       |                             | SMT Type                                                                                                                                                  | DIP Type                                                                                                  |
| Brown | GT17HNS-4DS-ASSY(Key TypeA) | GT17HN-4DP-2H(A)<br>GT17HN-4DP-2H(A)(11)<br>GT17HN-4DP-2H(A)(14)<br>GT17HNR-4DP-2H(A)<br>GT17HNL-4DP-2H(A)<br>GT17HN-4/4DP-2H(AA)<br>GT17HND-4/4DP-2H(AA) | GT17HJ-4DP-2DSA<br>GT17HG-4DP-2DSA(A)<br>GT17HN-4DP-2DS(A)<br>GT17HNF-4DP-2DS(A)<br>GT17HN-4DP-2DS(A)(10) |
| Green | GT17HNS-4DS-ASSY(Key TypeB) | GT17HN-4DP-2H(B)<br>GT17HN-4DP-2H(B)(11)<br>GT17HN-4DP-2H(B)(14)<br>GT17HNL-4DP-2H(B)<br>GT17HN-4/4DP-2H(BC)(14)<br>GT17HN-4/4DP-2H(BC)                   | GT17HG-4DP-2DSA(B)<br>GT17HN-4DP-2DS(B)<br>GT17HN-4DP-2DS(B)(10)                                          |
| Blue  | GT17HNS-4DS-ASSY(Key TypeC) | GT17HN-4DP-2H(C)<br>GT17HN-4DP-2H(C)(11)<br>GT17HN-4DP-2H(C)(14)<br>GT17HNL-4DP-2H(C)<br>GT17HN-4/4DP-2H(BC)<br>GT17HN-4/4DP-2H(BC)(14)                   | GT17HG-4DP-2DSA(C)<br>GT17HN-4DP-2DS(C)<br>GT17HN-4DP-2DS(C)(10)                                          |

## ◆ Wiring Method (4-Conductor Straight Connectors)

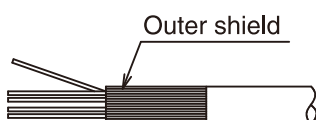
- ① Insert housing to the cable.



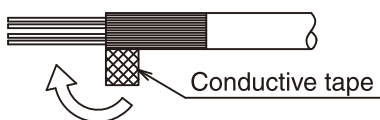
- ② Strip Jacket.



- ③ Turn Outer shield to backward.



- ④ Cover the cable by conductive tape.



- ⑤ Cut extra outer shield.



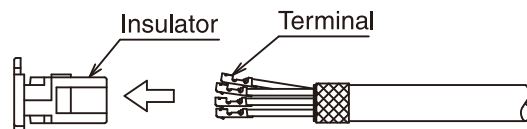
- ⑥ Strip Jacket.



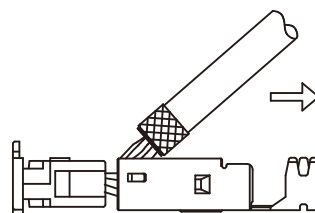
- ⑦ Crimp the terminal.



- ⑧ Insert center terminal to the Insulator.



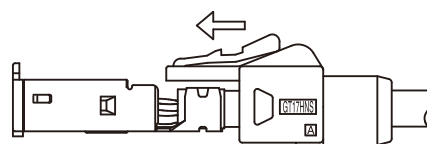
- ⑨ Set outer tube terminal to the insulator.



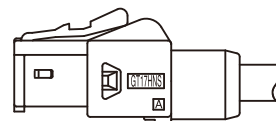
- ⑩ Crimp outertube terminal.



- ⑪ Slide up housing to outer tube terminal.

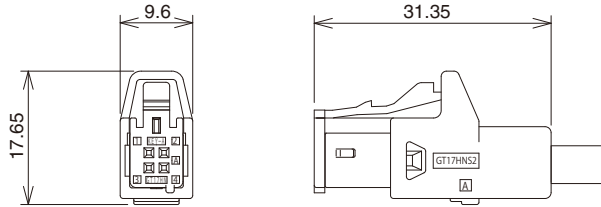


- ⑫ Finish.

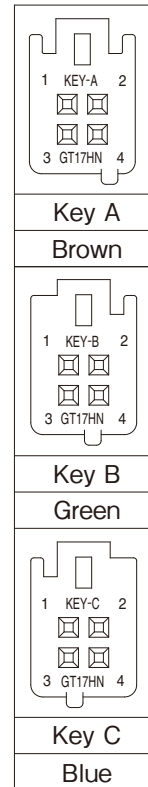


\* Concerning the crimp height of terminals, crimp height settings have been prepared for each type of cable. Please contact a Hirose Electric account representative for further information.  
Please note that new crimp height settings will be made for new cables and that this might take several days.

## ■ 4 Pos. Straight plug Connector With lock guard



### Key Variation



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

#### ● Housing

| Part No.        | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|-----------------|------------|-----------------------------|-----------|------|
| GT17HNS2-4DS-HU | 767-0190-3 | PBT / Dark Gray             | 1         | YES  |

#### ● Insulator

| Part No.         | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|------------------|------------|-----------------------------|-----------|------|
| GT17HN-4DS-2C(A) | 767-0140-5 | PBT / Brown                 | 1         | YES  |
| GT17HN-4DS-2C(B) | 767-0147-4 | PBT / Green                 |           |      |
| GT17HN-4DS-2C(C) | 767-0148-7 | PBT / Blue                  |           |      |

#### ● Outer terminal

| Part No.        | HRS No.    | Material / Plating or Color | Outer Diameter | Packaging | RoHS |
|-----------------|------------|-----------------------------|----------------|-----------|------|
| GT17HNS-4DS-5CF | 767-0151-1 | Copper alloy / Tin plating  | φ 4.8 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        | φ 0.8 to 1.5   | 10,000 pcs/reel | YES  |

### ◆ Mating Table

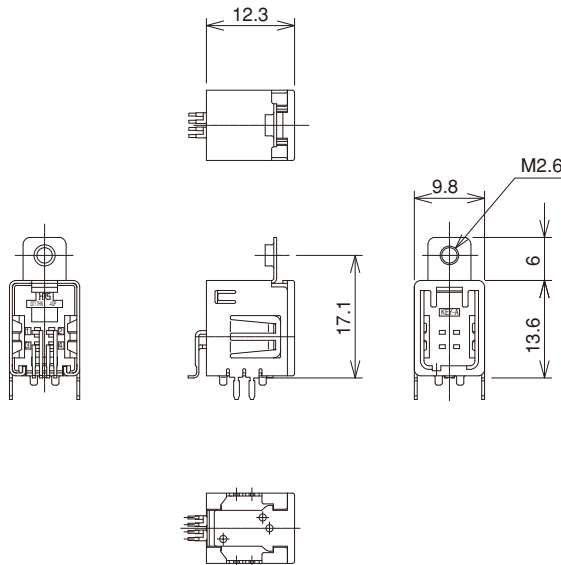
| Color | Cable side connector         | Board connector                                                                                                                                           |                                                                                                           |
|-------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|       |                              | SMT Type                                                                                                                                                  | DIP Type                                                                                                  |
| Brown | GT17HNS2-4DS-ASSY(Key typeA) | GT17HN-4DP-2H(A)<br>GT17HN-4DP-2H(A)(11)<br>GT17HN-4DP-2H(A)(14)<br>GT17HNR-4DP-2H(A)<br>GT17HNL-4DP-2H(A)<br>GT17HN-4/4DP-2H(AA)<br>GT17HND-4/4DP-2H(AA) | GT17HJ-4DP-2DSA<br>GT17HG-4DP-2DSA(A)<br>GT17HN-4DP-2DS(A)<br>GT17HNF-4DP-2DS(A)<br>GT17HN-4DP-2DS(A)(10) |
| Green | GT17HNS2-4DS-ASSY(Key typeB) | GT17HN-4DP-2H(B)<br>GT17HN-4DP-2H(B)(11)<br>GT17HN-4DP-2H(B)(14)<br>GT17HNL-4DP-2H(B)<br>GT17HN-4/4DP-2H(BC)(14)<br>GT17HN-4/4DP-2H(BC)                   | GT17HG-4DP-2DSA(B)<br>GT17HN-4DP-2DS(B)<br>GT17HN-4DP-2DS(B)(10)                                          |
| Blue  | GT17HNS2-4DS-ASSY(Key typeC) | GT17HN-4DP-2H(C)<br>GT17HN-4DP-2H(C)(11)<br>GT17HN-4DP-2H(C)(14)<br>GT17HNL-4DP-2H(C)<br>GT17HN-4/4DP-2H(BC)<br>GT17HN-4/4DP-2H(BC)(14)                   | GT17HG-4DP-2DSA(C)<br>GT17HN-4DP-2DS(C)<br>GT17HN-4DP-2DS(C)(10)                                          |

## ■ 4 pos. SMT Connector

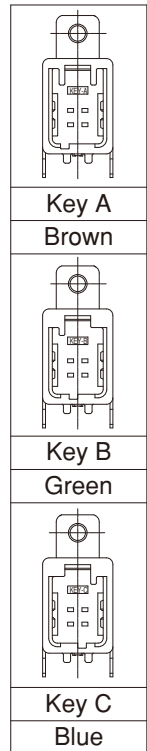
### ● With M2.6 screw flange



**GT17HN-4DP-2H(A)**



#### Key Variation

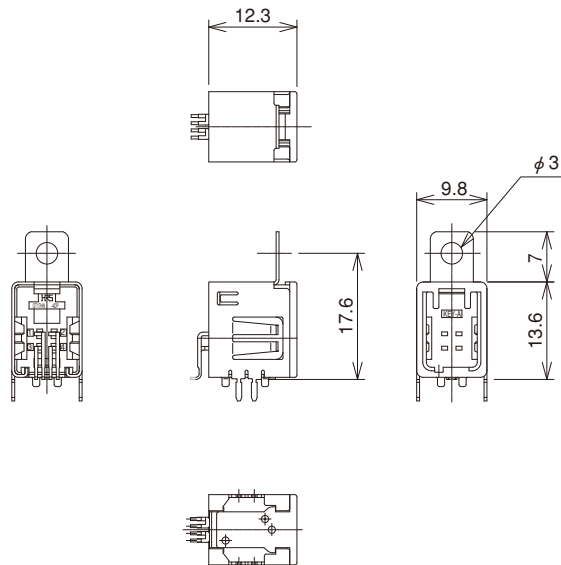


| Part No.         | HRS No.    | Color | Material / Plating                      | Packaging | RoHS |
|------------------|------------|-------|-----------------------------------------|-----------|------|
| GT17HN-4DP-2H(A) | 767-0144-6 | Brown | Housing:PPS                             | 1         | YES  |
| GT17HN-4DP-2H(B) | 767-0175-0 | Green | Center terminal:Brass/Tin plating       |           |      |
| GT17HN-4DP-2H(C) | 767-0176-2 | Blue  | Outer terminal:Copper alloy/Tin plating |           |      |

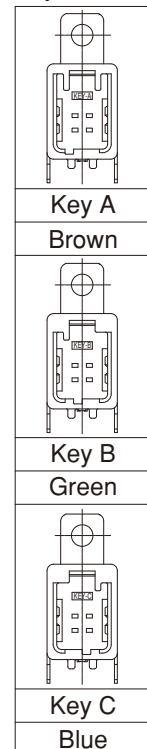
### ● With 3.0 dia. hole flange



**GT17HN-4DP-2H(A)(11)**



#### Key Variation

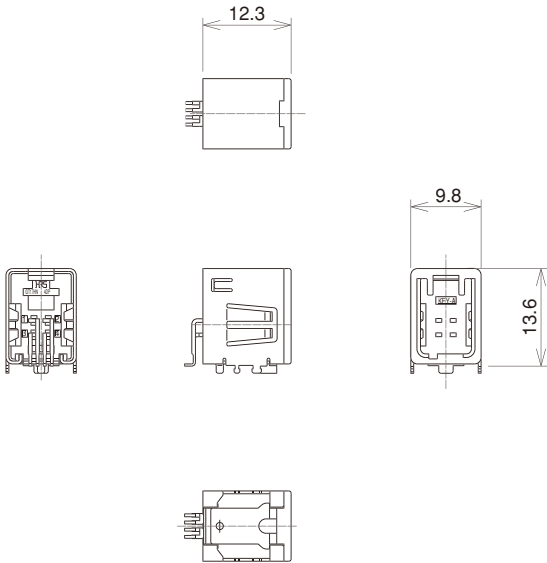


| Part No.             | HRS No.       | Color | Material / Plating                      | Packaging | RoHS |
|----------------------|---------------|-------|-----------------------------------------|-----------|------|
| GT17HN-4DP-2H(A)(11) | 767-0144-6 11 | Brown | Housing:PPS                             | 1         | YES  |
| GT17HN-4DP-2H(B)(11) | 767-0175-0 11 | Green | Center terminal:Brass/Tin plating       |           |      |
| GT17HN-4DP-2H(C)(11) | 767-0176-2 11 | Blue  | Outer terminal:Copper alloy/Tin plating |           |      |

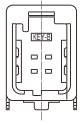
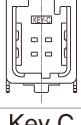
● Without flange



GT17HN-4DP-2H(A)(14)



Key Variation

|                                                                                     |
|-------------------------------------------------------------------------------------|
|  |
| Key A                                                                               |
| Brown                                                                               |
|  |
| Key B                                                                               |
| Green                                                                               |
|  |
| Key C                                                                               |
| Blue                                                                                |

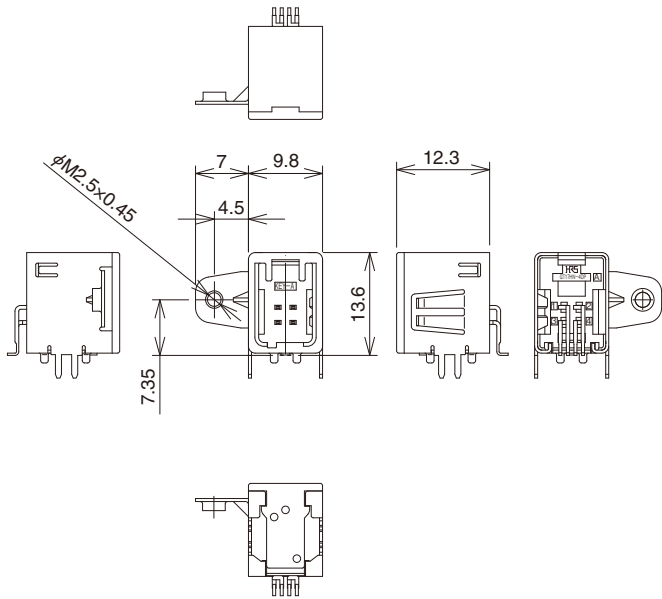
| Part No.             | HRS No.       | Color | Material / Plating                      | Packaging    | RoHS |
|----------------------|---------------|-------|-----------------------------------------|--------------|------|
| GT17HN-4DP-2H(A)(14) | 767-0144-6 14 | Brown | Housing:PPS                             | 300 pcs/reel | YES  |
| GT17HN-4DP-2H(B)(14) | 767-0175-0 14 | Green | Center terminal:Brass/Tin plating       |              |      |
| GT17HN-4DP-2H(C)(14) | 767-0176-2 14 | Blue  | Outer terminal:Copper alloy/Tin plating |              |      |



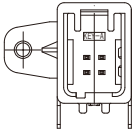
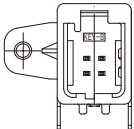
● M2.5 Screw with Left flange



GT17HNL-4DP-2H(A)



Key Variation

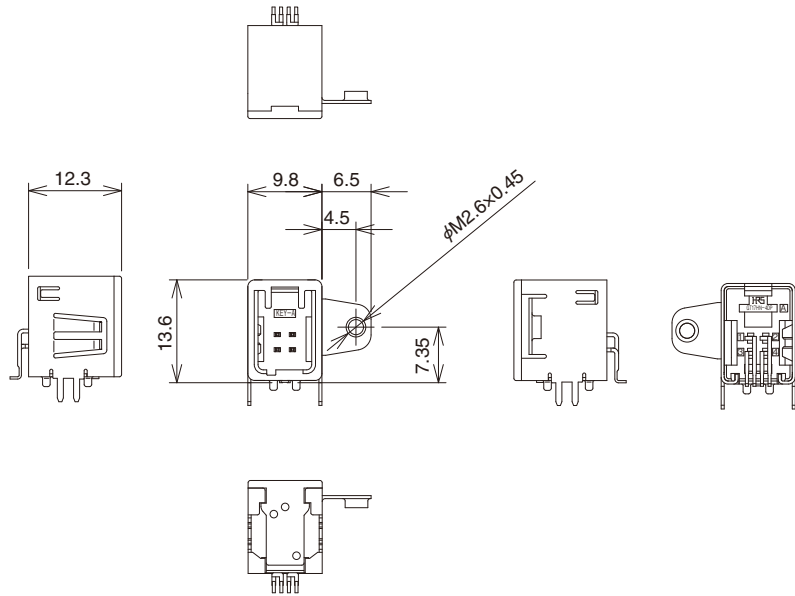
|                                                                                     |
|-------------------------------------------------------------------------------------|
|  |
| Key A                                                                               |
| Brown                                                                               |
|  |
| Key B                                                                               |
| Green                                                                               |

| Part No.          | HRS No.    | Color | Material / Plating                                                                          | Packaging | RoHS |
|-------------------|------------|-------|---------------------------------------------------------------------------------------------|-----------|------|
| GT17HNL-4DP-2H(A) | 767-0229-7 | Brown | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 1         | YES  |
| GT17HNL-4DP-2H(B) | 767-0237-5 | Green |                                                                                             |           |      |

● M2.6 Screw with Right flange



GT17HNR-4DP-2H(A)



| Part No.          | HRS No.    | Color | Material / Plating                                                                          | Packaging | RoHS |
|-------------------|------------|-------|---------------------------------------------------------------------------------------------|-----------|------|
| GT17HNR-4DP-2H(A) | 767-0230-6 | Brown | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 1         | YES  |

GT5

GT13

GT16

PO5G

GT19

GT21

GT26

GT36

GT11

GT17

GT32

GT3

GT7

GT10

GT18W

GT25

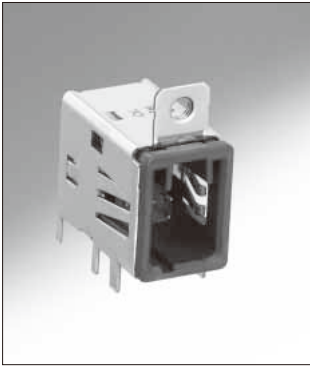
GT8E

GT9

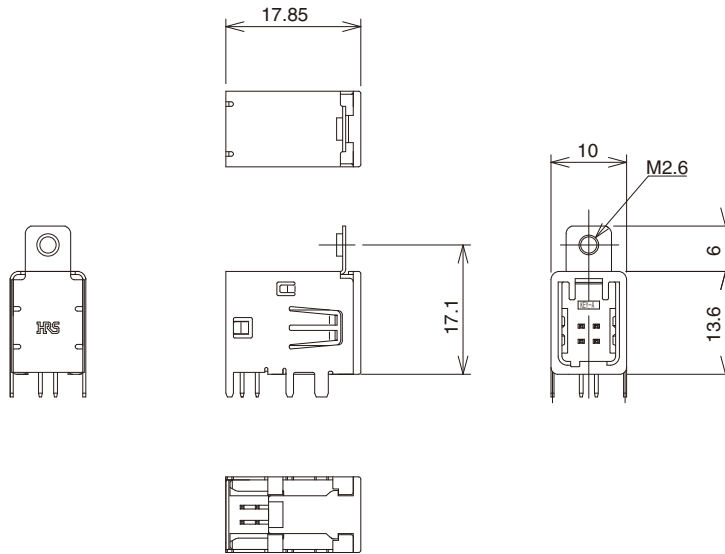
GT15

## ■ 4 Pos. Boardside Right angle DIP Type

### ● With M2.6 flange



GT17HN-4DP-2DS(A)



### Key Variation

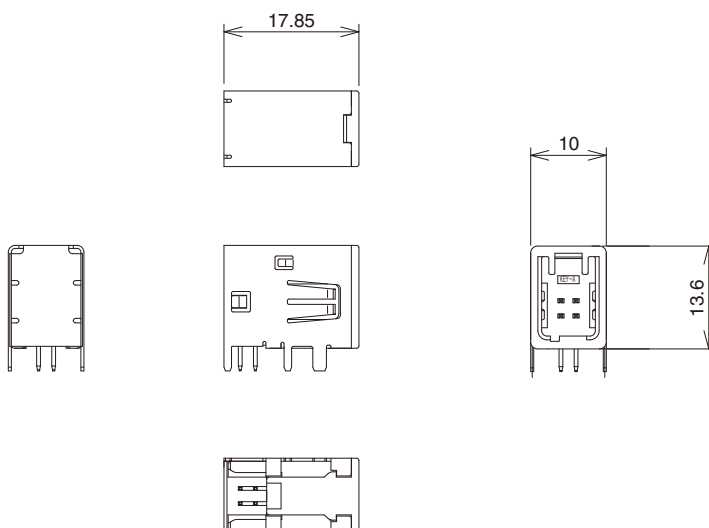
|                |
|----------------|
|                |
| Key A<br>Brown |
|                |
| Key B<br>Green |
|                |
| Key C<br>Blue  |

| Part No.          | HRS No.       | Color | Material / Plating                      | Packaging | RoHS |
|-------------------|---------------|-------|-----------------------------------------|-----------|------|
| GT17HN-4DP-2DS(A) | 767-0213-7 00 | Brown | Housing:PBT                             | 1         | YES  |
| GT17HN-4DP-2DS(B) | 767-0266-3 00 | Green | Center terminal:Brass/Tin plating       |           |      |
| GT17HN-4DP-2DS(C) | 767-0265-0 00 | Blue  | Outer terminal:Copper alloy/Tin plating |           |      |

### ● Without flange



GT17HN-4DP-2DS(A)(10)



### Key Variation

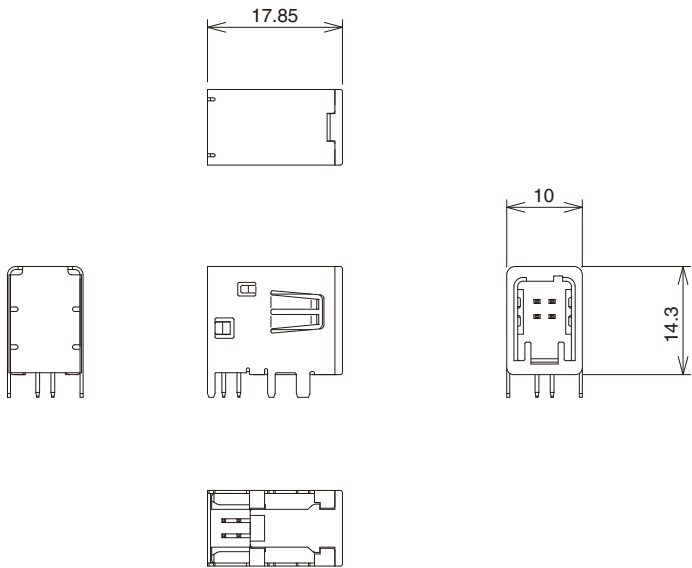
|                |
|----------------|
|                |
| Key A<br>Brown |
|                |
| Key B<br>Green |
|                |
| Key C<br>Blue  |

| Part No.              | HRS No.       | Color | Material / Plating                      | Packaging | RoHS |
|-----------------------|---------------|-------|-----------------------------------------|-----------|------|
| GT17HN-4DP-2DS(A)(10) | 767-0213-7 10 | Brown | Housing:PBT                             | 1         | YES  |
| GT17HN-4DP-2DS(B)(10) | 767-0266-3 10 | Green | Center terminal:Brass/Tin plating       |           |      |
| GT17HN-4DP-2DS(C)(10) | 767-0265-0 10 | Blue  | Outer terminal:Copper alloy/Tin plating |           |      |

● Plug reverse



GT17HNF-4DP-2DS(A)



| Part No.           | HRS No.       | Color | Material / Plating                                                                          | Packaging | RoHS |
|--------------------|---------------|-------|---------------------------------------------------------------------------------------------|-----------|------|
| GT17HNF-4DP-2DS(A) | 767-0236-2 00 | Brown | Housing:PBT<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 1         | YES  |

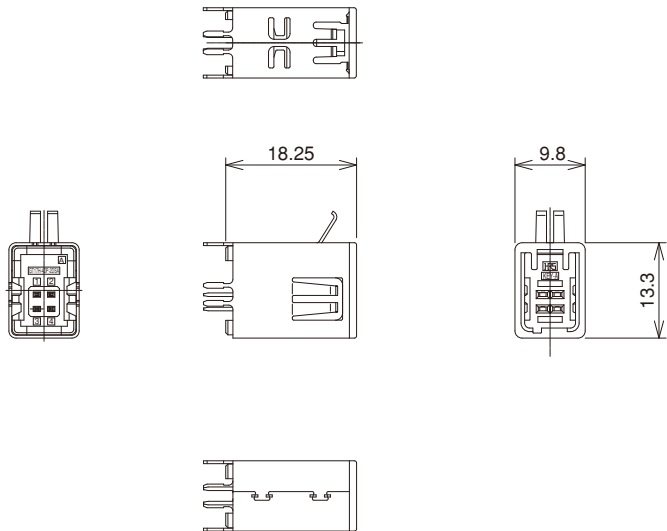
■ 4-Conductor Board Connector(Straight)



GT17HJ-4DP-2DSA



GT17HG-4DP-2DSA(A)



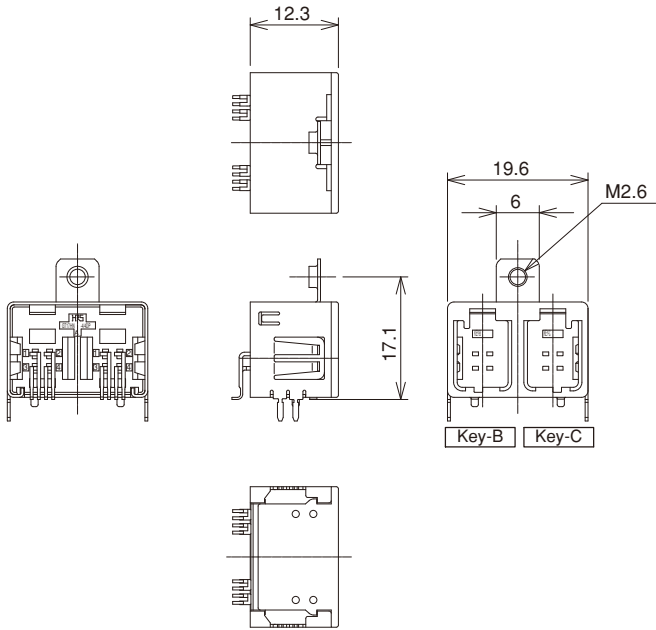
| Part No.           | HRS No.    | Color | Material / Plating or Color                                                                 | Packaging | RoHS |
|--------------------|------------|-------|---------------------------------------------------------------------------------------------|-----------|------|
| GT17HJ-4DP-2DSA    | 767-0160-2 | Brown | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 1         | YES  |
| GT17HG-4DP-2DSA(A) | 767-0314-4 |       |                                                                                             |           |      |
| GT17HG-4DP-2DSA(B) | 767-0315-7 | Green |                                                                                             |           |      |
| GT17HG-4DP-2DSA(C) | 767-0316-0 | Blue  |                                                                                             |           |      |
| GT17HG-4DP-2DSA(D) | 767-0317-2 | Black |                                                                                             |           |      |

■ 4/4 Pos. SMT Connectors

● With M2.6 screw flange



GT17HN-4/4DP-2H(BC)

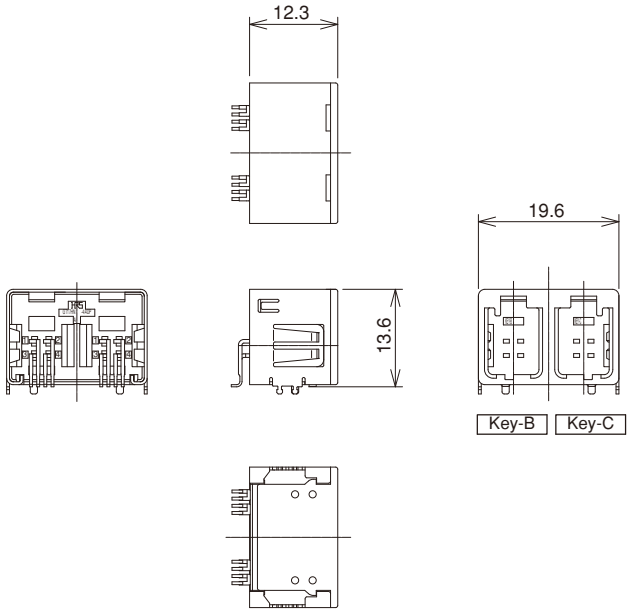


| Part No.             | HRS No.    | Color      | Material / Plating or Color                                                                 | Packaging | RoHS |
|----------------------|------------|------------|---------------------------------------------------------------------------------------------|-----------|------|
| GT17HN-4/4DP-2H(BC)  | 767-0145-9 | Light Gray | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 1         | YES  |
| GT17HND-4/4DP-2H(AA) | 767-0327-6 | Brown      |                                                                                             |           |      |

● Without flange



GT17HN-4/4DP-2H(BC)(14)



| Part No.                | HRS No.       | Color      | Material / Plating or Color                                                                 | Packaging    | RoHS |
|-------------------------|---------------|------------|---------------------------------------------------------------------------------------------|--------------|------|
| GT17HN-4/4DP-2H(BC)(14) | 767-0145-9 14 | Light Gray | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 200 pcs/reel | YES  |

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

GT17

GT32

GT3

GT7

GT10

GT18W

GT25

GT8E

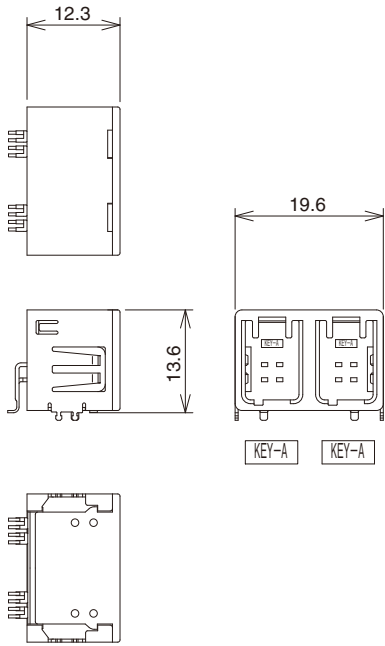
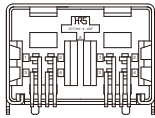
GT9

GT15

● Without flange

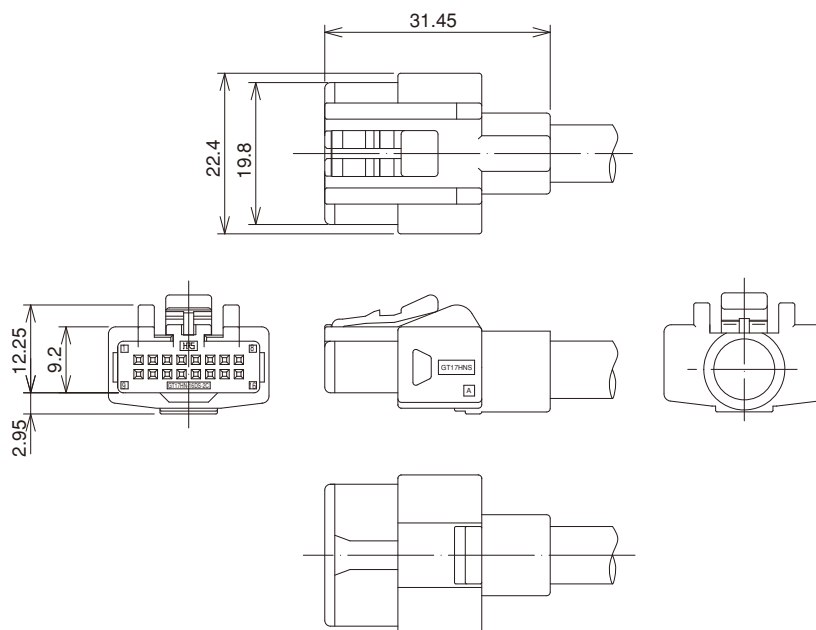
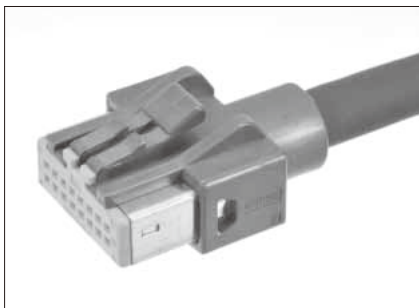


GT17HN-4/4DP-2H(AA)



| Part No.            | HRS No.       | Color | Material / Plating                                                                          | Packaging | RoHS |
|---------------------|---------------|-------|---------------------------------------------------------------------------------------------|-----------|------|
| GT17HN-4/4DP-2H(AA) | 767-0246-6 00 | Brown | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 1         | YES  |

## 16 Pos. Straight Connectors



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

●Housing

| Part No.        | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|-----------------|------------|-----------------------------|-----------|------|
| GT17HNS-16DS-HU | 767-0164-3 | PBT / Dark Gray             | 1         | YES  |

●Insulator

| Part No.       | HRS No.    | Material / Plating or Color | Packaging | RoHS |
|----------------|------------|-----------------------------|-----------|------|
| GT17HN-16DS-2C | 767-0162-8 | PBT / Light Gray            | 1         | YES  |

●Outer terminal

| Part No.         | HRS No.    | Material / Plating or Color | Outer Diameter | Packaging | RoHS |
|------------------|------------|-----------------------------|----------------|-----------|------|
| GT17HNS-16DS-8CF | 767-0165-6 | Copper alloy / Tin plating  | φ7.8 to 8.2    | 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                      |
|-------|----------------------|--------------------------------------|
| Gray  | GT17HNS-16DS-HU      | GT17HN-16DP-2H<br>GT17HN-16DP-2H(10) |

GT5

GT13

GT16

PO5G

GT19

GT21

GT26

GT36

GT11

GT17

GT32

GT3

GT7

GT10

GT18W

GT25

GT8E

GT9

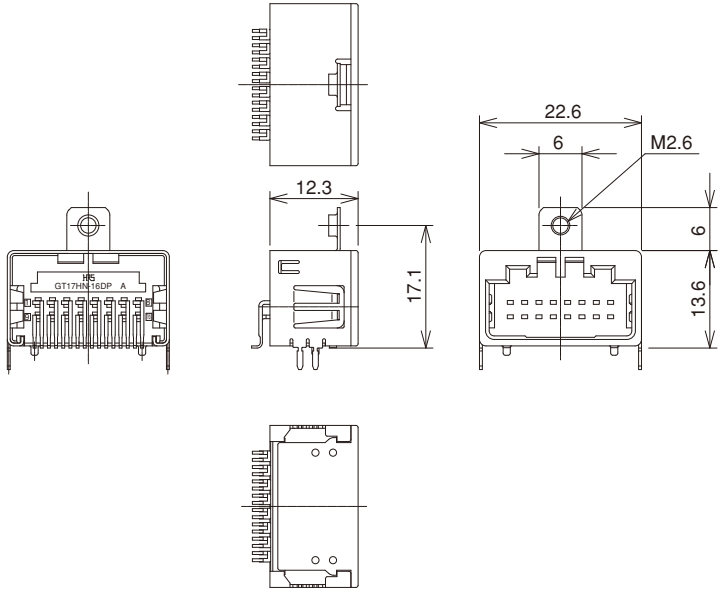
GT15

16 Pos. SMT Connectors

● With M2.6 screw flange



GT17HN-16DP-2H

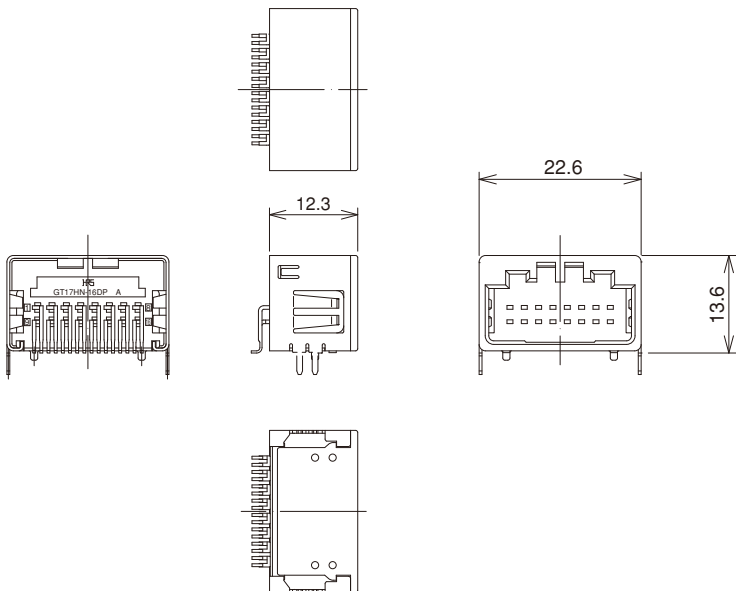


| Part No.       | HRS No.    | Color      | Material / Plating                                                                          | Packaging | RoHS |
|----------------|------------|------------|---------------------------------------------------------------------------------------------|-----------|------|
| GT17HN-16DP-2H | 767-0153-7 | Light Gray | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 1         | YES  |

● Without flange



GT17HN-16DP-2H(10)

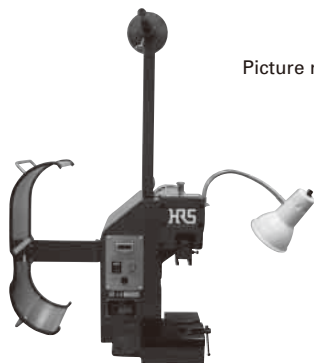


| Part No.           | HRS No.       | Color      | Material / Plating                                                                          | Packaging    | RoHS |
|--------------------|---------------|------------|---------------------------------------------------------------------------------------------|--------------|------|
| GT17HN-16DP-2H(10) | 767-0153-7 10 | Light Gray | Housing:PPS<br>Center terminal:Brass/Tin plating<br>Outer terminal:Copper alloy/Tin plating | 200 pcs/reel | YES  |

## ◆Crimping tools

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

### ● Automatic Crimping Machine



Picture reference only

Part No. CM-105C

#### Specifications

| Item              | Specification              | Remarks       |
|-------------------|----------------------------|---------------|
| Press capacity    | 1.5Ton                     |               |
| Stroke            | 30mm                       |               |
| Number of strokes | 200spm (50Hz)              | 240spm (60Hz) |
| Weight            | 75kg                       |               |
| Motor             | 0.2kW                      | AC100V        |
| Crimping speed    | 2000 to 4000 pcs. per hour |               |

#### Applicator

| Terminal Product No. | Terminal HRS No. | Tool No.         | Tool HRS No. |
|----------------------|------------------|------------------|--------------|
| GT17-2022SCF         | 767-0009-0       | AP105-GT17-2022S | 901-5083-5   |
| GT17-2428SCF         | 767-0010-0       | AP105-GT17-2428S | 901-5084-8   |
| GT17-30SCF           | 767-0064-9       | AP105-GT17-30S   | 901-5107-1   |
| GT17-2022PCF         | 767-0082-0       | AP105-GT17-2022P | 901-5146-3   |
| GT17-2428PCF         | 767-0076-8       | AP105-GT17-2428P | 901-5177-7   |
| GT8-2428SCF(70)      | 758-0001-8 70    | AP105-GT8-2428S  | 901-5174-9   |
| GT8E-2428PCF         | 758-0067-6       | AP105-GT8E-2428P | 901-5192-0   |

Note1 : Crimp heights may differ depending on the cable specification, so please consult a HRS representative for assistance.

Note2 : Before purchasing Hirose tooling, please make sure that your selected cable will work with the Hirose applicator.

Note3 : Cables that are different from those specified by Hirose may not be suitable and may require modification to the applicator to obtain a proper crimp.

#### Contact insert tool for GT17H-4S-2C

| Product No.     | HRS No.       | Tool No.      | Tool HRS No. |
|-----------------|---------------|---------------|--------------|
| GT8-2428SCF(70) | 758-0001-8 70 | GT17-4S/PR-MD | 902-5109-3   |

\* This tool was designed when GT8-2428SCF(70) insert to GT17H-4S-2C.

Please do not use other contact and housing.



## ● HANDPRESS

## Hand Press



Part No.HOS-7

## Crimp tool for outer shield(Module for HOS-7)

| Product No.       | HRS No.    | Crimp tool for outer shield Product No. | Crimp tool for outer shield HRS No. |
|-------------------|------------|-----------------------------------------|-------------------------------------|
| GT17V-6DS-5CF     | 767-0027-2 | GT17VS-6DS-5/CR-MP                      | 902-5099-1                          |
|                   |            | GT17VS-6DS-5/CR-MP(01)                  | 902-5099-1 01                       |
|                   |            | GT17VS-6DS-CH48/CR-MP                   | 902-5105-2                          |
|                   |            | GT17VS-6DS-CH48/CR-MP(01)               | 902-5105-2 01                       |
| GT17VS-6DS-5CF    | 767-0050-4 | GT17VS-6DS-5/CR-MP                      | 902-5099-1                          |
|                   |            | GT17VS-6DS-5/CR-MP(01)                  | 902-5099-1 01                       |
| GT17V-6DS-3.8CF   | 767-0075-5 | GT17V-6DS-3.8/CR-MP                     | 902-5101-1                          |
|                   |            | GT17V-6DS-3.8/CR-MP(01)                 | 902-5101-1 01                       |
| GT17VS-6DP-5CF    | 767-0080-5 | GT17VS-6DP-5/CR-MP                      | 902-5088-5                          |
|                   |            | GT17VS-6DP-5/CR-MP(01)                  | 902-5088-5 01                       |
| GT17S-8DS-7CF     | 767-0106-7 | GT17S-8DS-7/CR-MP                       | 902-5090-7                          |
|                   |            | GT17S-8DS-7/CR-MP(01)                   | 902-5090-7 01                       |
| GT17V-10DS-8CF    | 767-0037-6 | GT17V-10DS/CR-MP                        | 902-5057-1                          |
|                   |            | GT17V-10DS/CR-MP(01)                    | 902-5057-1 01                       |
| GT17VS-10DS-8CF   | 767-0059-9 | GT17V-10DS/CR-MP                        | 902-5057-1                          |
|                   |            | GT17V-10DS/CR-MP(01)                    | 902-5057-1 01                       |
| GT17VS-10DP-5.2CF | 767-0114-5 | GT17VS-10DP-5.2/CR-MP                   | 902-5084-4                          |
|                   |            | GT17VS-10DP-5.2/CR-MP(01)               | 902-5084-4 01                       |
| GT17VS-10DS-4.6CF | 767-0116-0 | GT17VS-10DS-4.6/CR-MP                   | 902-5083-1                          |
|                   |            | GT17VS-10DS-4.6/CR-MP(01)               | 902-5083-1 01                       |
| GT17H-4S-5CF      | 767-0087-4 | GT17H-4S-5CF/CR-MP                      | 902-5100-9                          |
|                   |            | GT17H-4S-5CF/CR-MP(01)                  | 902-5100-9 01                       |
| GT17HS-4S-5CF     | 767-0135-5 | GT17H-4S-5CF/CR-MP                      | 902-5100-9                          |
|                   |            | GT17H-4S-5CF/CR-MP(01)                  | 902-5100-9 01                       |
| GT17HS-4P-5CF     | 767-0156-5 | GT17HS-4P-5CF/CR-MP                     | 902-5108-0                          |
|                   |            | GT17HS-4P-5CF/CR-MP(01)                 | 902-5108-0 01                       |
| GT17HN-4DS-5CF    | 767-0142-0 | GT17HNS-4DS-5/CR-MP                     | 902-5103-7                          |
|                   |            | GT17HNS-4DS-5/CR-MP(01)                 | 902-5103-7 01                       |
| GT17HNS-4DS-5CF   | 767-0151-1 | GT17HNS-4DS-5/CR-MP                     | 902-5103-7                          |
|                   |            | GT17HNS-4DS-5/CR-MP(01)                 | 902-5103-7 01                       |
| GT17HNS-16DS-8CF  | 767-0165-6 | GT17HNS-16DS-8/CR-MP                    | 902-5102-4                          |
|                   |            | GT17HNS-16DS-8/CR-MP(01)                | 902-5102-4 01                       |

Note1 : (01)is set unit (HOS-7 and Crimp tool).

Note2 : Crimp height sets for each cable. Please ask HRS sales in detail. Take time to define new crimp height.

Note3 : Please ask Crimp height for your cable when you use HRS tool.

Note4 : Applicable tool may be changed by specic cable.