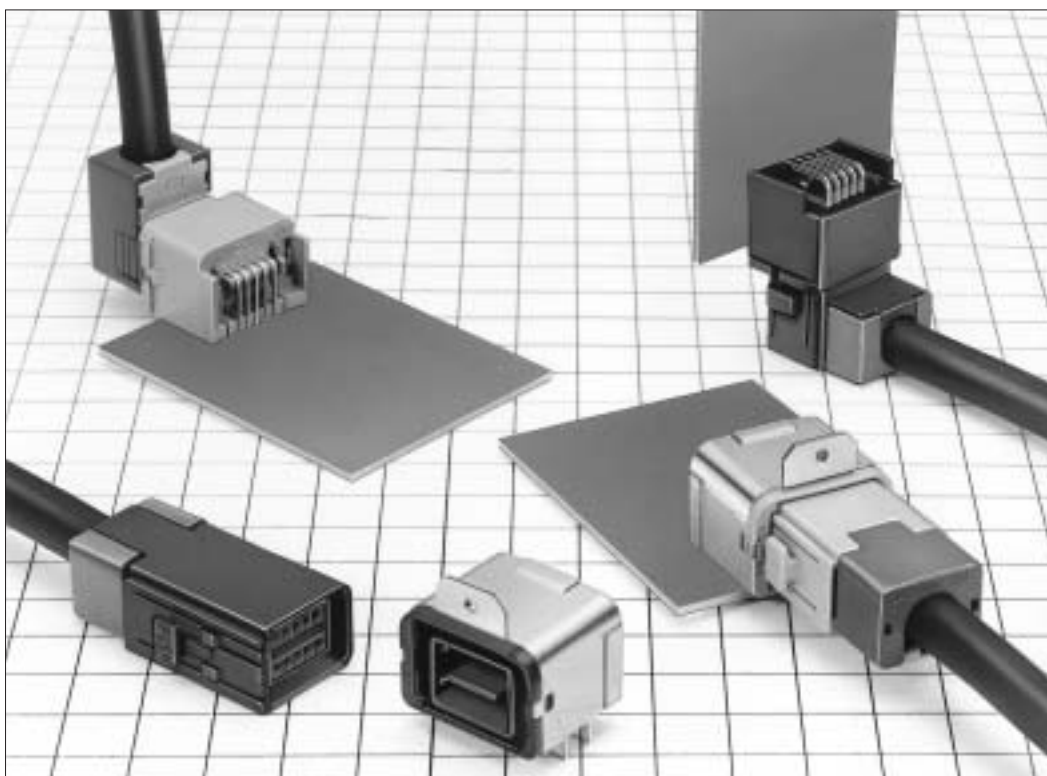


Antenna, Sensor, and Communications Trunk Line Connections

GT17 Series

— Ideal as Automotive USB Connectors —
<2 mm pitch>



Features

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

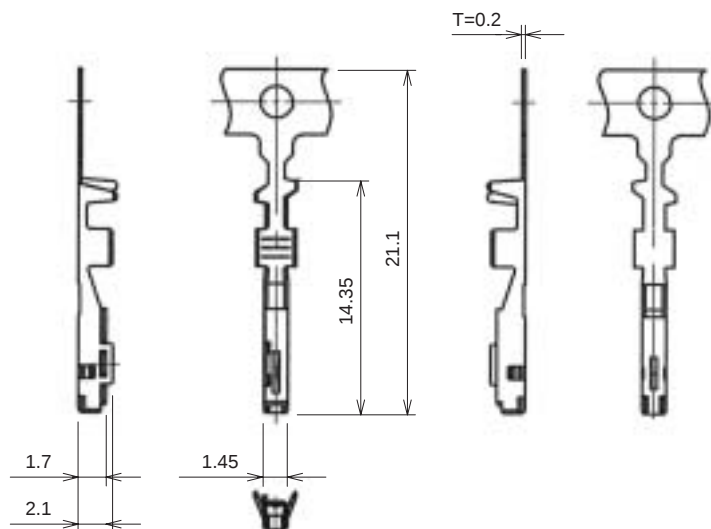
Applications

In-car data communications, etc.

GT17 Series

F Connectors

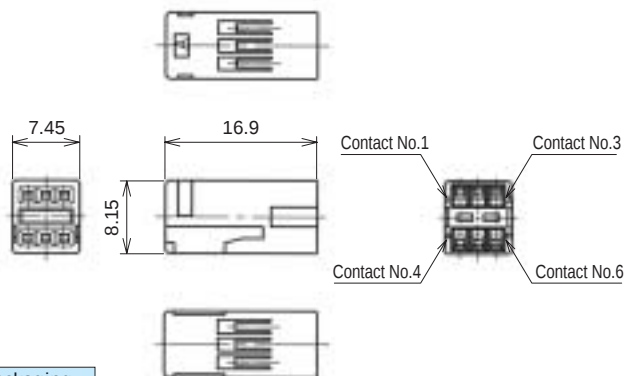
Center Terminals (Used with 6, 8, and 10 conductor cable)



Part Number	CL No.	Material	Finish	Conductor Size (AWG)	Outer Diameter	Packaging
GT17-2022SCF	767-0009-0	Copper alloy	Tin plating	#20 to 22	1.1 to 1.3 mm	10,000 pcs. per reel
GT17-2428SCF	767-0010-0	Copper alloy	Tin plating	#24 to 28	0.7 to 1.0 mm	10,000 pcs. per reel
GT17-30SCF	767-0064-9	Copper alloy	Tin plating	#30	1.1 to 1.3 mm	10,000 pcs. per reel

F Connectors (6-Conductor Type)

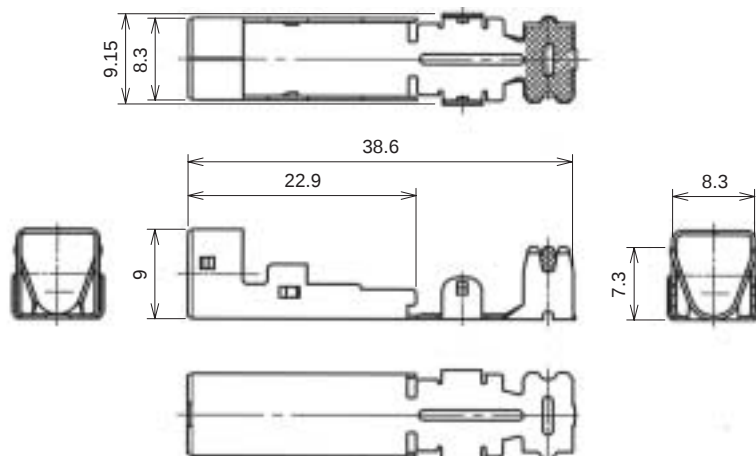
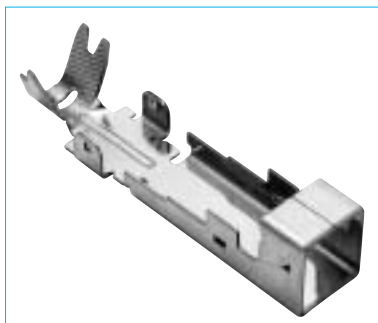
Insulator



Part Number	CL No.	Material	Color	Packaging
GT17V-6DS-2C	767-0026-0	PBT	Dark gray	1

Note: Applicable Cable will have an Insulator diameter of 0.7 to 1.3 mm.

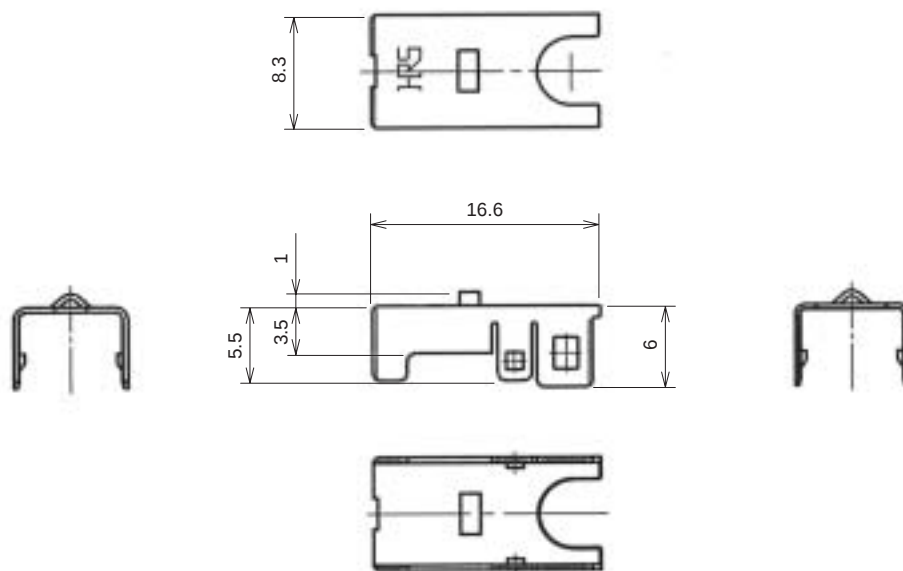
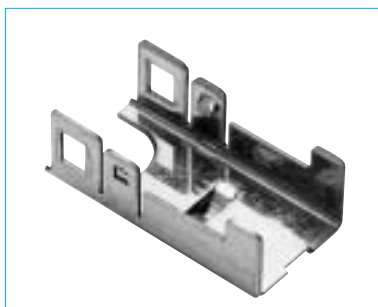
Outer terminal



Part Number	CL No.	Material	Finish	Outer Diameter	Packaging
GT17V-6DS-5CF	767-0027-2	Copper alloy	Tin plating	4.8 to 5.2 mm	1

Note: The crimping conditions will differ depending on the construction and material of the cable. In view of this, please make arrangements to ascertain whether crimping is possible for each cable.

● Shield Cover

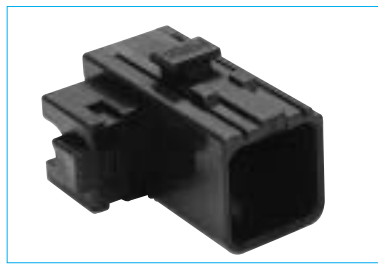


Part Number	CL No.	Material	Finish	Packaging
GT17V-6DS-SC	767-0028-5	Copper alloy	Tin plating	1

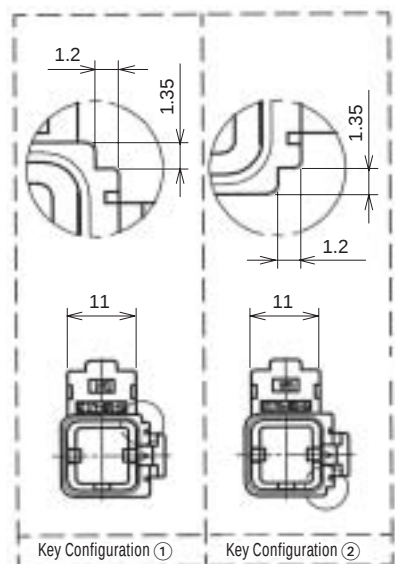
● Housing



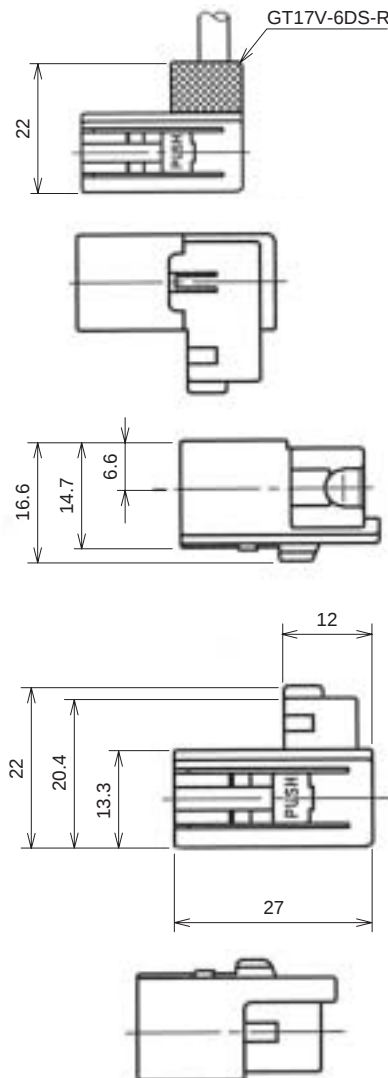
GT17V-6DS-HU



GT17VA-6DS-HU



◆ Shown with inserted retainer



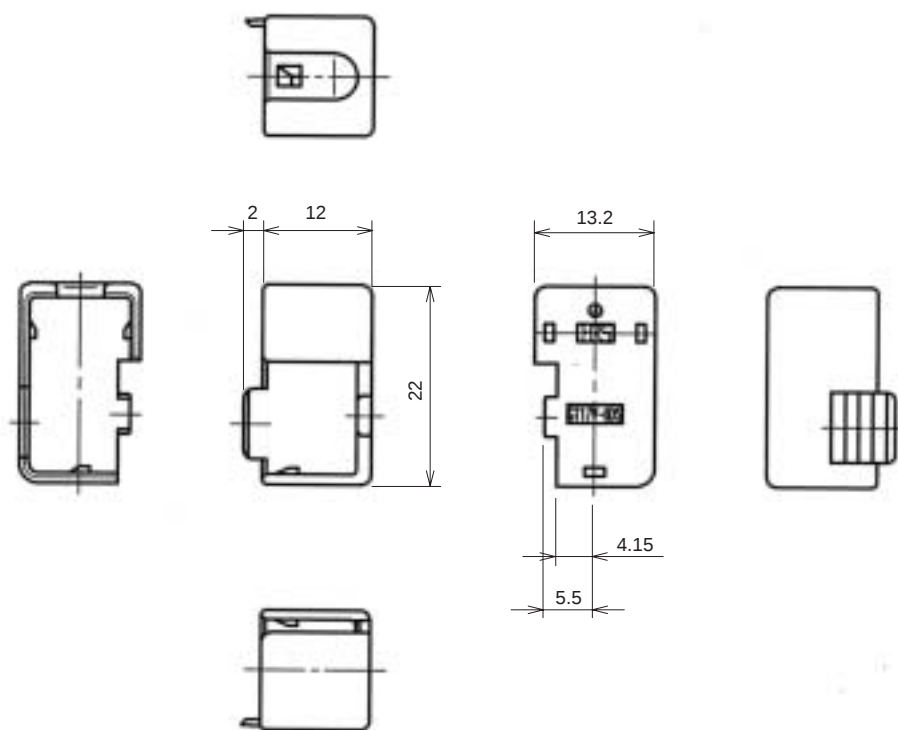
Part Number	CL No.	Material	Color	Key Configurations	Packaging
GT17V-6DS-HU	767-0029-8	PBT	Light gray	①	1
GT17VA-6DS-HU	767-0030-7	PBT	Black	②	1

Note 1: Used with the separate retainer (GT17V-6DS-R).

Note 2: Applicable Cable will have an outside sheath diameter of 4.8 to 5.2 mm.

GT17 Series

● Retainer (Used with GT17V-6DS-HU and GT17VA-6DS-HU)



Part Number	CL No.	Material	Color	Packaging
GT17V-6DS-R	767-0031-0	PBT	Dark gray	1

Note: Applicable Cable will have an Insulator diameter of 4.8 to 5.2 mm.

◆ F Connector (6-Conductor Type) Composition Table

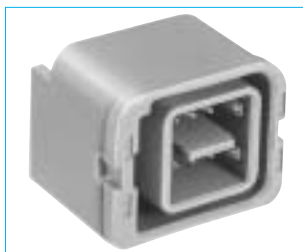
Inner Terminal	Insulator	Outer Terminal	Shield Cover	Housing	Retainer
GT17-2022SCF	GT17V-6DS-2C	GT17V-6DS-5CF	GT17V-6DS-SC	GT17V-6DS-HU	GT17V-6DS-R
GT17-2428SCF				GT17VA-6DS-HU	
GT17-30SCF					

◆ 6-Conductor Type Mating Table

F Connector	M Connector	Color
GT17V-6DS-HU	GT17V-6DP-DS	Light gray
	GT17VB-6DP-DS	
GT17VA-6DS-HU	GT17VA-6DP-DS	Black
	GT17VC-6DP-DS	

M Connectors (6-Conductor Type)

● Printed Circuit Board Type

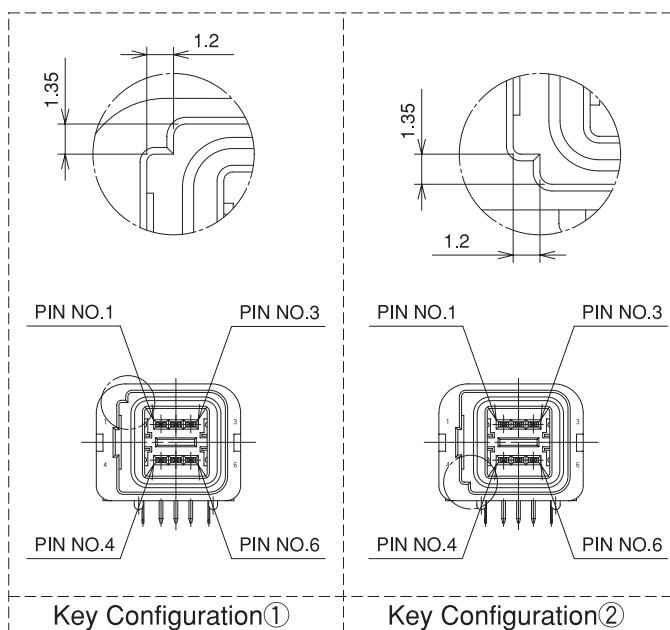
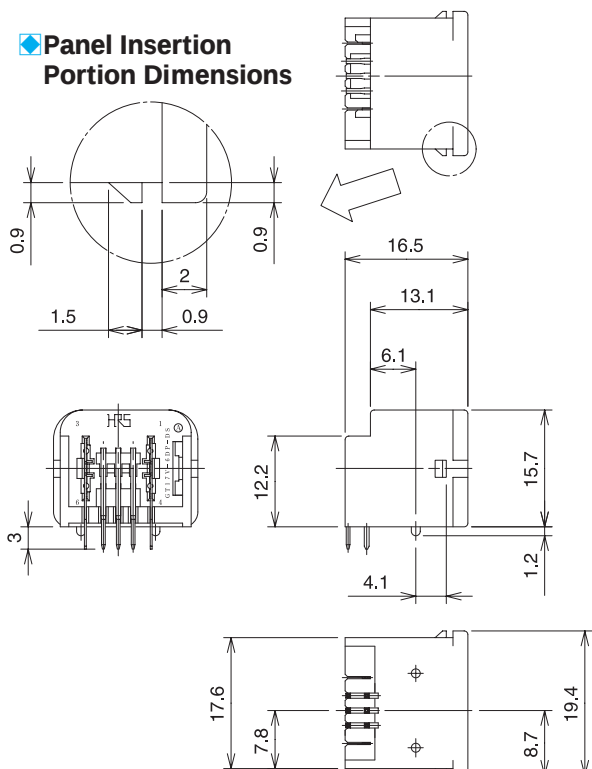


GT17V-6DP-DS

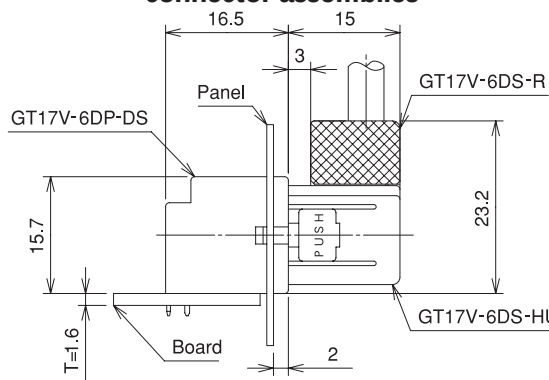


GT17VA-6DP-DS

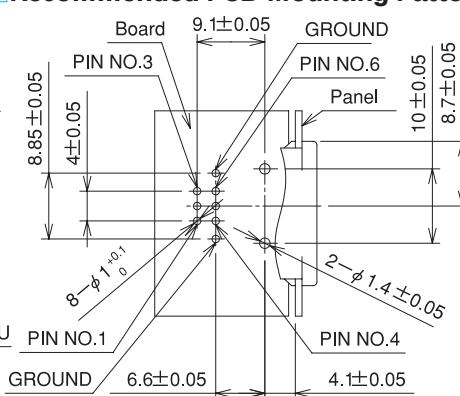
◆ Panel Insertion Portion Dimensions



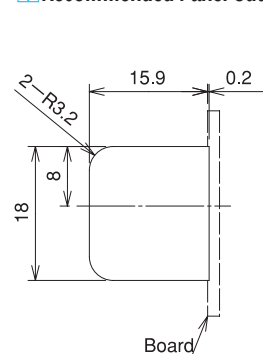
◆ Mounted and fully mated connector assemblies



◆ Recommended PCB Mounting Pattern



◆ Recommended Panel Cut-out



Part Number	HRS No.	Material	Color	Key Configurations	Direction of Cable Pull-off	Packaging
GT17V-6DP-DS	767-0024-4	Brass (Center terminal)	Light gray	①	Upward with respect to the mounting surface	1
GT17VA-6DP-DS	767-0025-7	Copper alloy (Outer terminals)	Black	②		1
GT17V-6DP-DS(70)	767-0024-4-70	PBT (Housing)	Light gray	①		1
GT17VA-6DP-DS(70)	767-0025-7-70		Black	②		1

(70):Pb free products.

GT17 Series

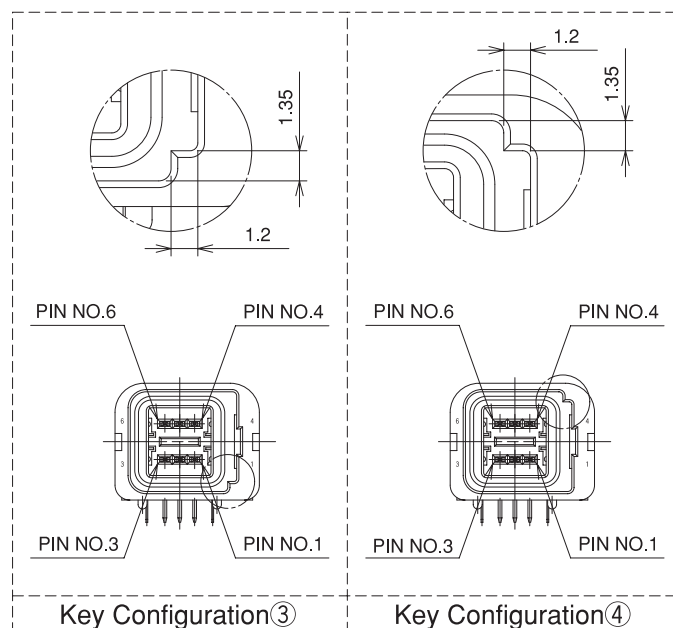
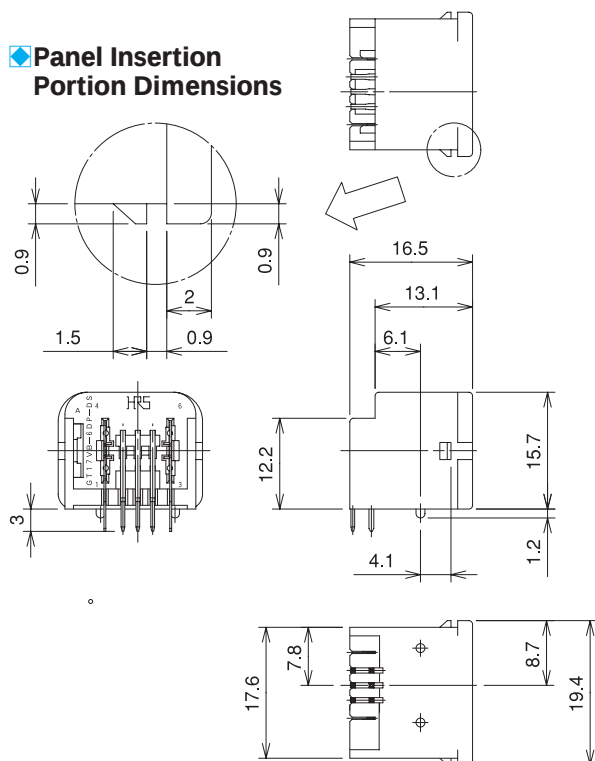


GT17VB-6DP-DS

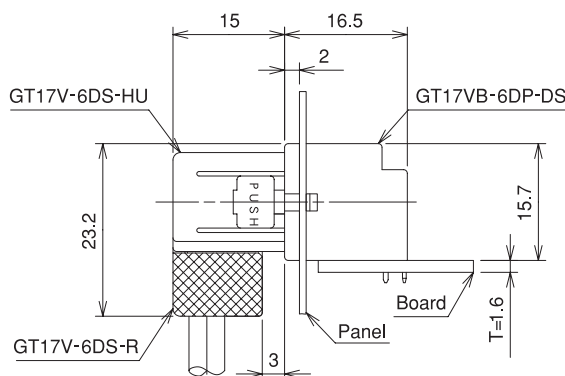


GT17VC-6DP-DS

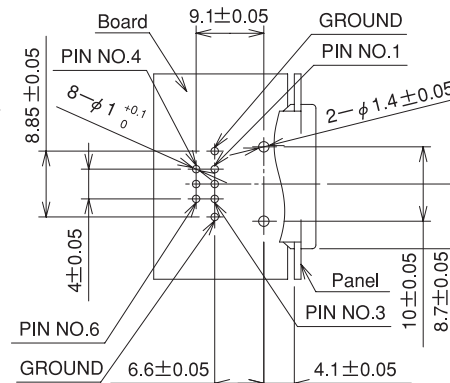
Panel Insertion Portion Dimensions



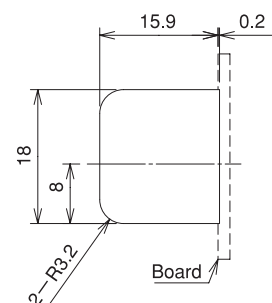
Mounted and fully mated connector assemblies



Recommended PCB Mounting Pattern



Recommended Panel Cut-out

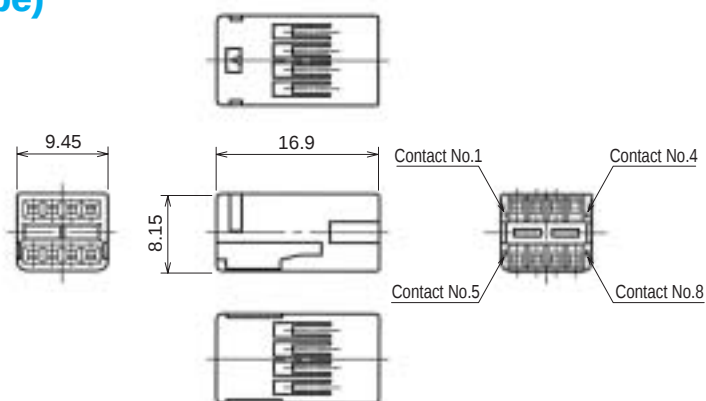


Part Number	HRS No.	Material	Color	Key Configurations	Direction of Cable Pull-off	Packaging
GT17VB-6DP-DS	767-0032-2	Brass (Center terminal)	Light gray	③	Downward with respect to the mounting surface	1
GT17VC-6DP-DS	767-0033-5	Copper alloy (Outer terminals)	Black	④		1
GT17VB-6DP-DS(70)	767-0032-2-70	PBT (Housing)	Light gray	③		1
GT17VC-6DP-DS(70)	767-0033-5-70		Black	④		1

(70):Pb free products.

F Connectors (8-Conductor Type)

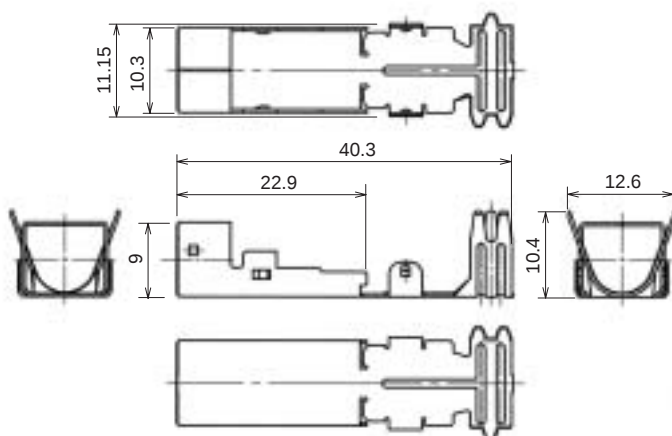
● Insulator



Part Number	CL No.	Material	Color	Packaging
GT17-8DS-2C	767-0005-0	PBT	Dark gray	1

Note: Applicable Cable will have an Insulator diameter of 0.7 to 1.3 mm.

● Outer terminals

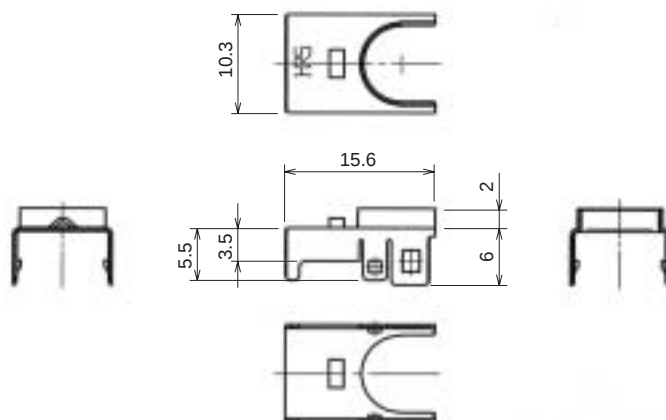


Part Number	CL No.	Material	Finish	Outer Diameter	Packaging
GT17-8DS-7CF	767-0007-5	Phosphor bronze	Tin plating	6.8 to 7.2 mm	1
GT17-8DS-7CF(70)	767-0007-5(70)	Phosphor bronze	Tin plating	6.8 to 7.2 mm	1

(70):Pb free products.

Note: The crimping conditions will differ depending on the construction and material of the cable. In view of this, please make arrangements to ascertain whether crimping is possible for each cable.

● Shield Cover

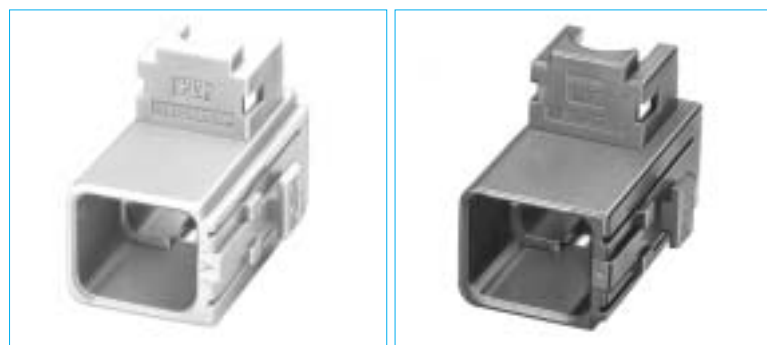


Part Number	CL No.	Material	Finish	Packaging
GT17-8DS-SC	767-0006-2	Brass	Tin plating	1
GT17-8DS-SC(70)	767-0006-2(70)	Brass	Tin plating	1

(70):Pb free products.

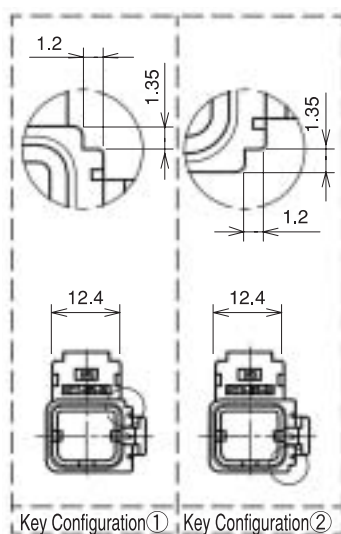
GT17 Series

● Housing



GT17-8DS-HU

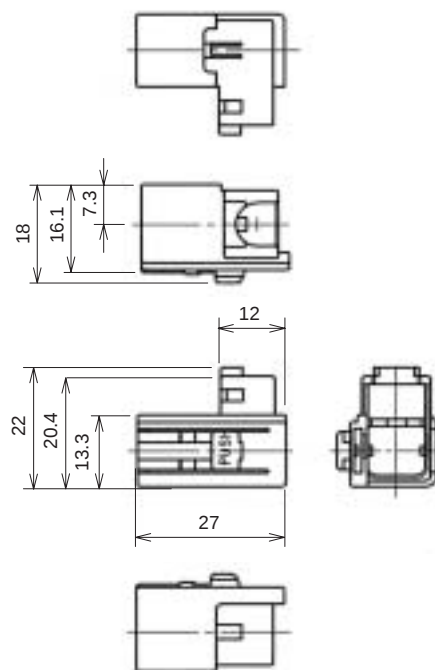
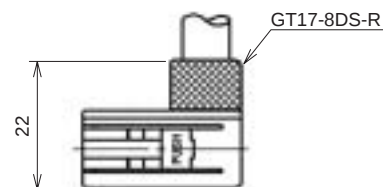
GT17A-8DS-HU



Key Configuration ①

Key Configuration ②

◆ Shown with inserted retainer

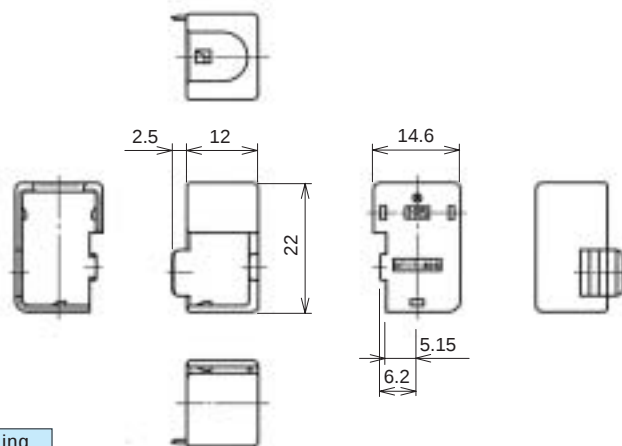


Part Number	CL No.	Material	Color	Key Configurations	Packaging
GT17-8DS-HU	767-0003-4	PBT	Light gray	①	1
GT17A-8DS-HU	767-0004-7	PBT	Black	②	1

Note 1: Used with the separate retainer (GT17-8DS-R).

Note 2: Applicable Cable will have an outside sheath diameter of 6.8 to 7.2 mm.

● Retainer



Part Number	CL No.	Material	Color	Packaging
GT17-8DS-R	767-0008-8	PBT	Dark gray	1

Note: Applicable Cables will have an outside sheath diameter of 6.8 to 7.2 mm.

◆ F Connector (8-Conductor Type) Composition Table

Inner Terminal	Insulator	Outer Terminal	Shield Cover	Housing	Retainer
GT17-2022SCF	GT17-8DS-2C	GT17-8DS-7CF	GT17-8DS-SC	GT17-8DS-HU	GT17-8DS-R
GT17-2428SCF					
GT17-30SCF				GT17A-8DS-HU	

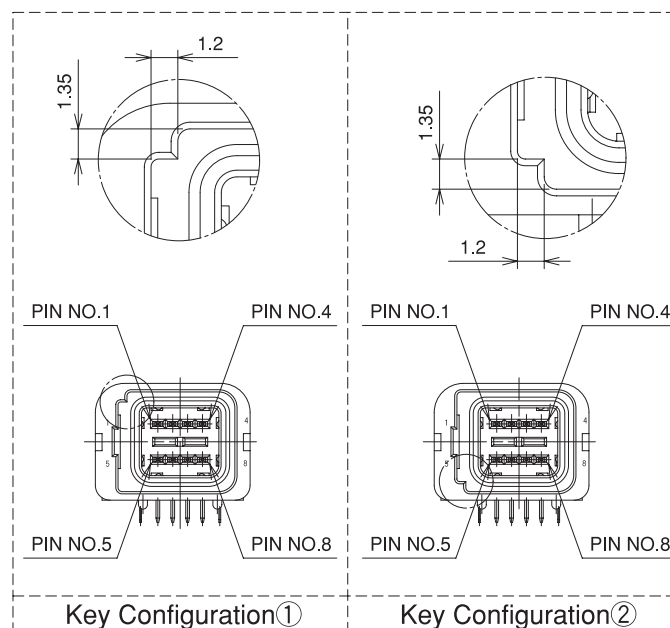
◆ 8-Conductor Type Mating Table

F Connector	M Connector	Color
GT17-8DS-HU	GT17-8DP-DS	Light gray
	GT17B-8DP-DS	
GT17A-8DS-HU	GT17A-8DP-DS	Black
	GT17C-8DP-DS	

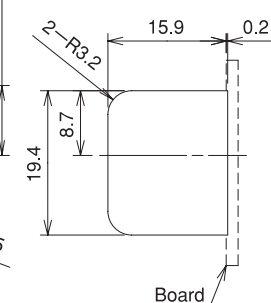
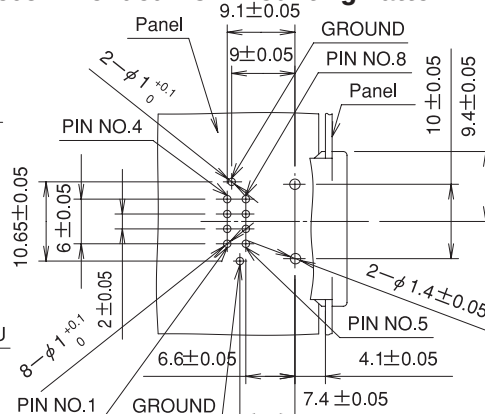
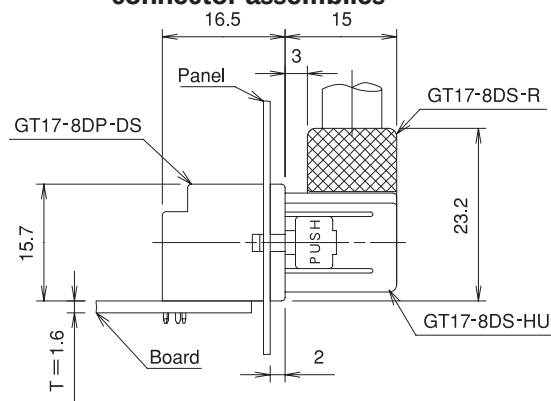


GT17A-8DP-DS

Panel Insertion Portion Dimensions



 Recommended Panel Cut-out



Part Number	HRS No.	Material	Color	Key Configurations	Direction of Cable Pull-off	Packaging
GT17-8DP-DS	767-0001-9	Brass (Center terminal) Phosphor bronze (Outer terminals) PBT (Housing)	Light gray	①	Upward with respect to the mounting surface	1
GT17A-8DP-DS	767-0002-1		Black	②		1
GT17-8DP-DS(70)	767-0001-9-70		Light gray	①		1
GT17A-8DP-DS(70)	767-0002-1-70		Black	②		1

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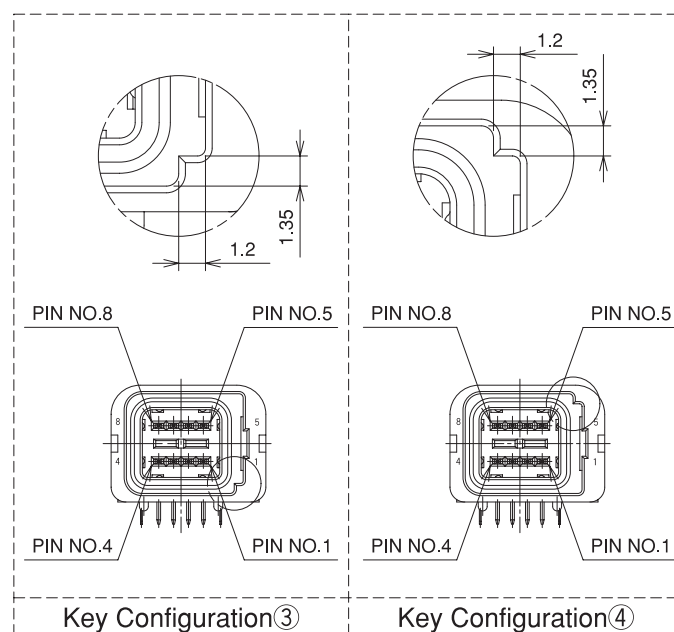
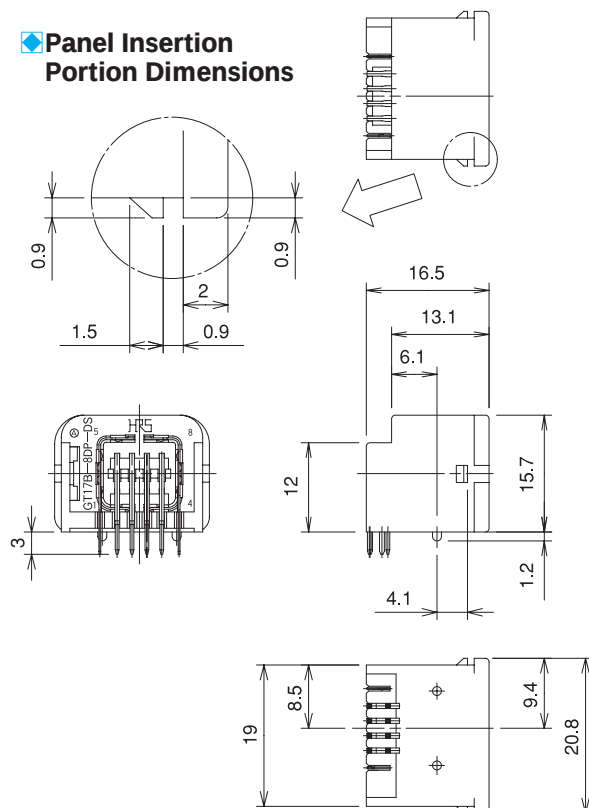


GT17B-8DP-DS

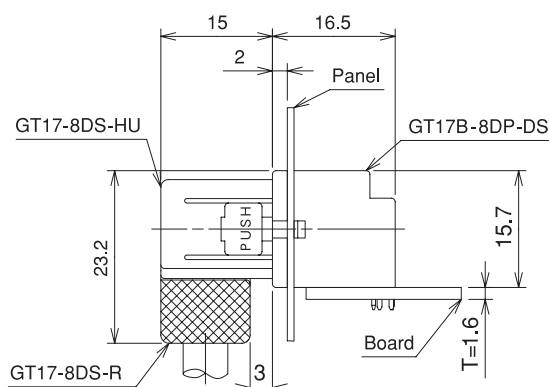


GT17C-8DP-DS

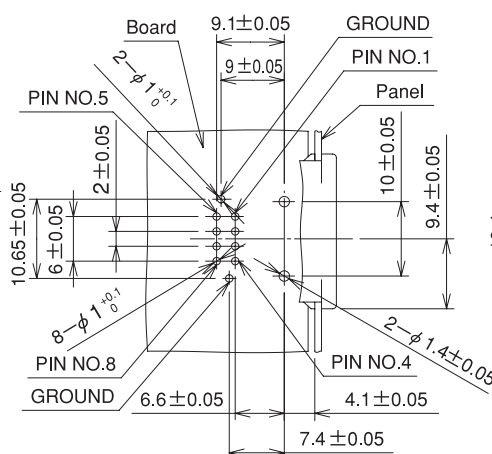
Panel Insertion Portion Dimensions



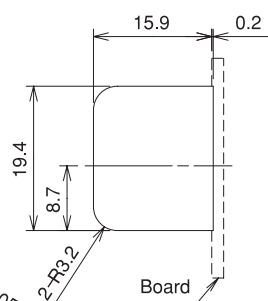
 Mounted and fully mated connector assemblies



Recommended PCB Mounting Pattern



 Recommended Panel Cut-out



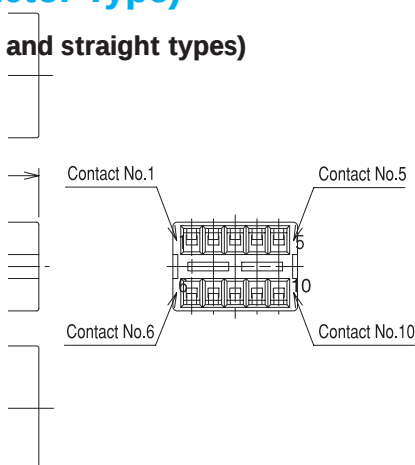
Part Number	HRS No.	Material	Color	Key Configurations	Direction of Cable Pull-off	Packaging
GT17B-8DP-DS	767-0020-3	Brass (Center terminal) Phosphor bronze (Outer terminals) PBT (Housing)	Light gray	③	Downward with respect to the mounting surface	1
GT17C-8DP-DS	767-0021-6		Black	④		1
GT17B-8DP-DS(70)	767-0020-3-70		Light gray	③		1
GT17C-8DP-DS(70)	767-0021-6-70		Black	④		1

(70):Pb free products.

GT17 Series

F Connectors (10-Conductor Type)

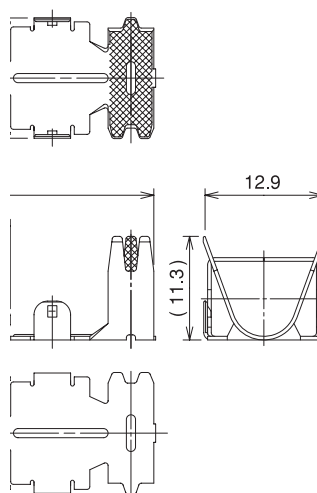
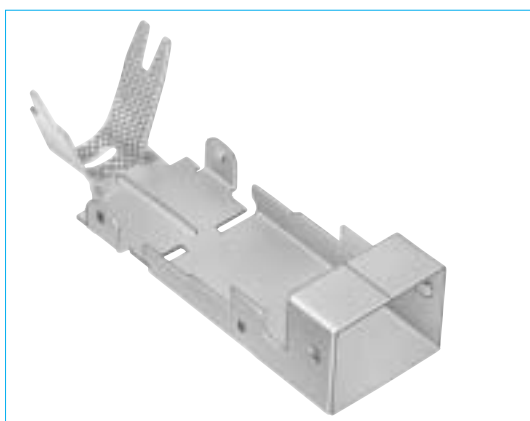
● Insulator (used for both right-angle and straight types)



Part Number	CL No.	Material	Color	Packaging
GT17V-10DS-2C	767-0036-3	PBT	Dark gray	1

Note: Applicable Cable will have an Insulator diameter of 0.7 to 1.3 mm.

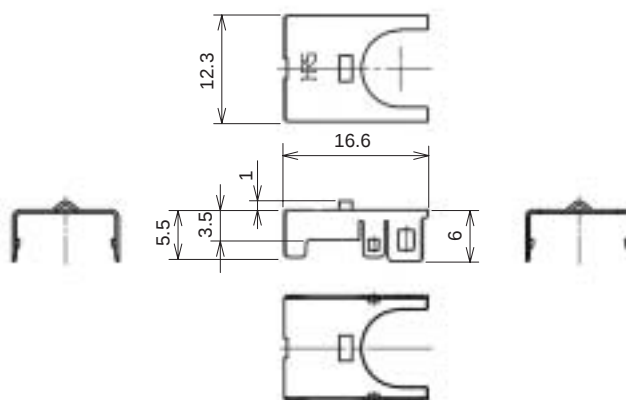
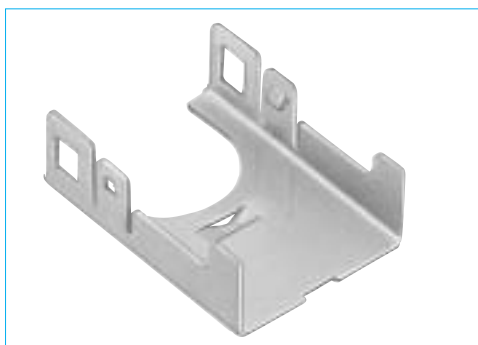
● Outer terminals (Right Angle Type)



Part Number	CL No.	Material	Finish	Outer Diameter	Packaging
GT17V-10DS-8CF	767-0037-6	Copper alloy	Tin plating	7.5 to 8.0 mm	1

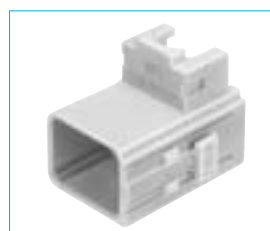
Note: The crimping conditions will differ depending on the construction and material of the cable. In view of this, please make arrangements to ascertain whether crimping is possible for each cable.

● Shield Cover (Right Angle Type)

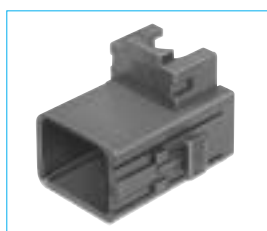


Part Number	CL No.	Material	Finish	Packaging
GT17V-10DS-SC	767-0038-9	Copper alloy	Tin plating	1

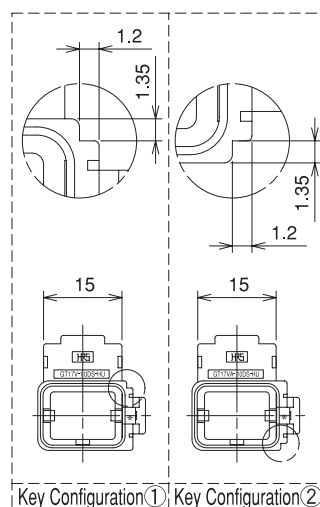
● Housing (Right-angle Type)



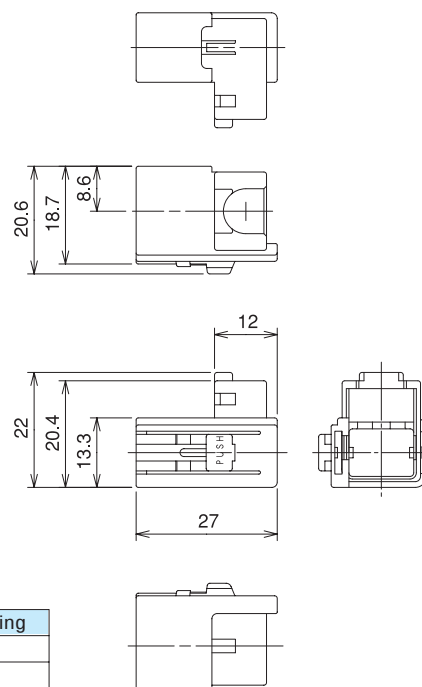
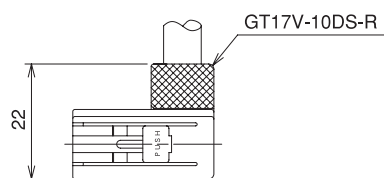
GT17V-10DS-HU



GT17VA-10DS-HU



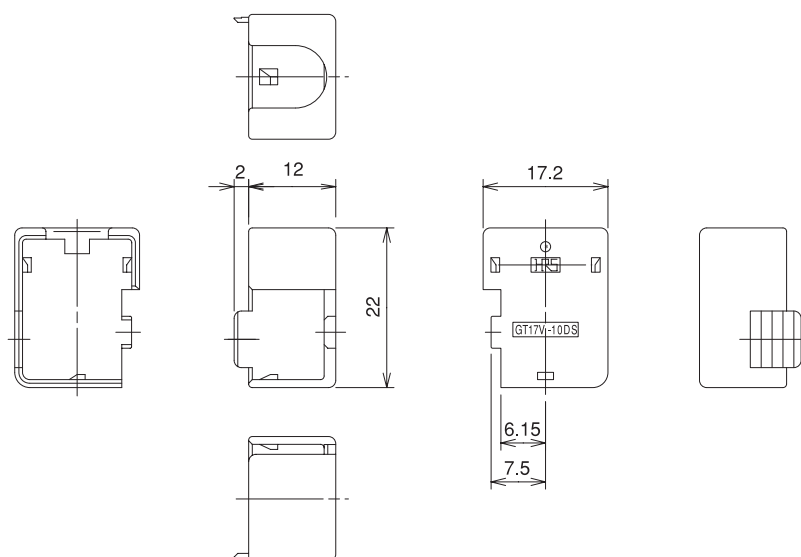
◆ Shown with inserted retainer



Part Number	CL No.	Material	Color	Key Configurations	Packaging
GT17V-10DS-HU	767-0039-1	PBT	Light gray	①	1
GT17VA-10DS-HU	767-0040-0	PBT	Black	②	1

Note: Used with the separate retainer (GT17-10DS-R).

● Retainer (Right-angle Type)

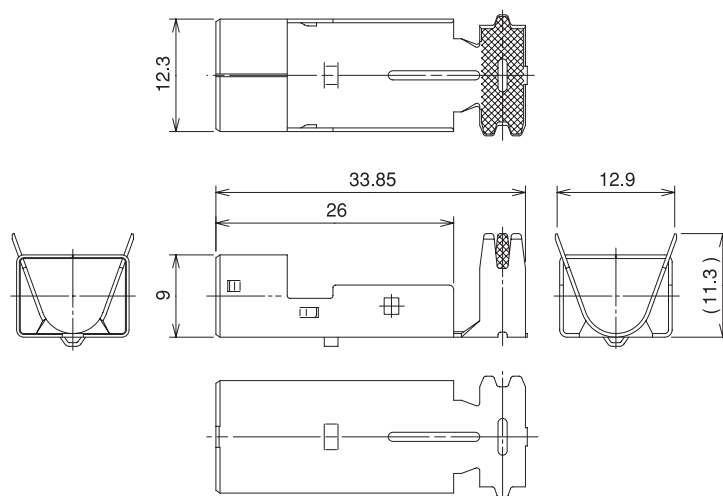
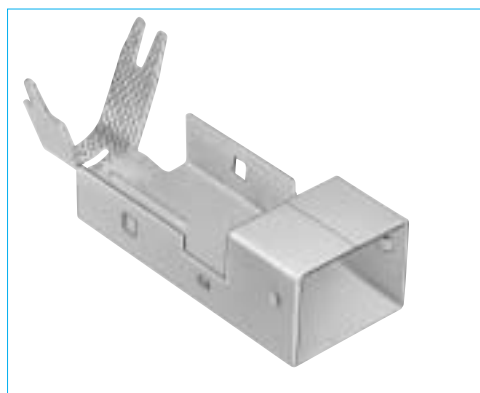


Part Number	CL No.	Material	Color	Packaging
GT17V-10DS-R	767-0041-3	PBT	Dark gray	1

Note: Applicable Cable will have an outside sheath diameter of 7.5 to 8.0 mm.

GT17 Series

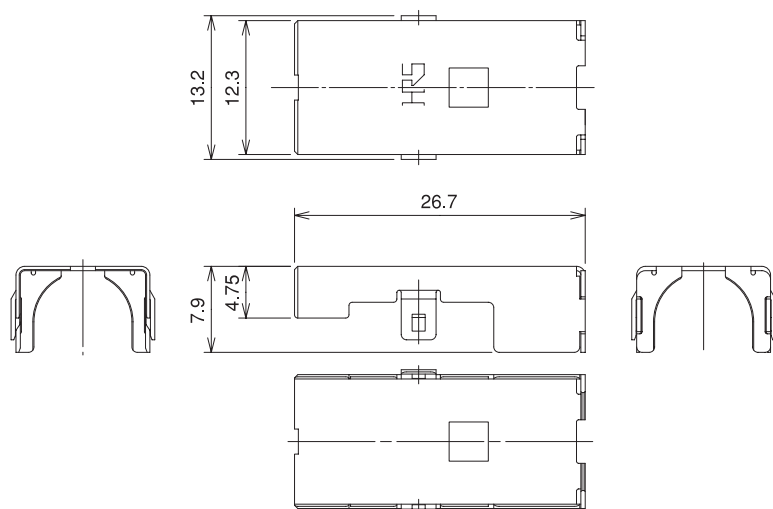
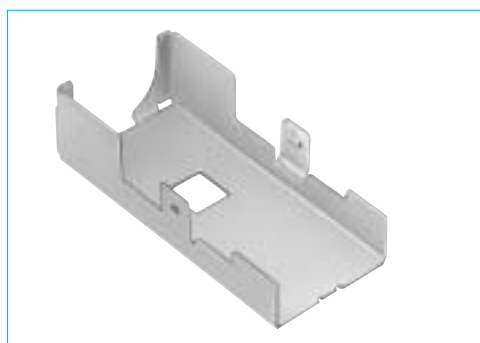
● Outer terminals (Straight Type)



Part Number	CL No.	Material	Finish	Outer Diameter	Packaging
GT17VS-10DS-8CF	767-0059-9	Copper alloy	Tin plating	7.5 to 8.0 mm	1

Note: The crimping conditions will differ depending on the construction and material of the cable. In view of this, please make arrangements to ascertain whether crimping is possible for each cable.

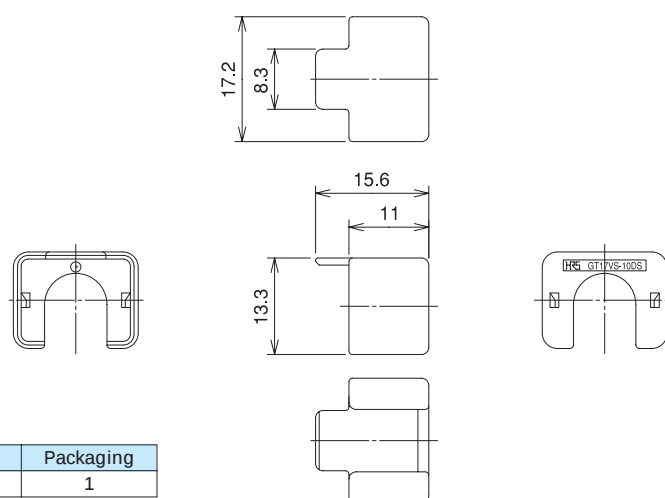
● Shield Cover (Straight Type)



Part Number	CL No.	Material	Finish	Packaging
GT17VS-10DS-SC	767-0060-8	Copper alloy	Tin plating	1

Note: Applicable Cables will have an outside sheath diameter of 7.5 to 8.0 mm.

● Retainer (Straight Type)

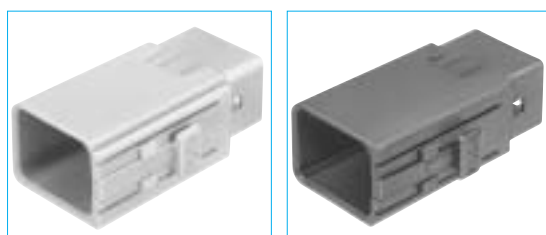


Part Number	CL No.	Material	Color	Packaging
GT17VS-10DS-R	767-0063-6	PBT	Dark gray	1

Note: Applicable Cables will have an outside sheath diameter of 7.5 to 8.0 mm.

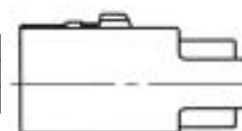
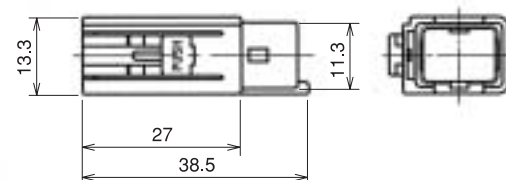
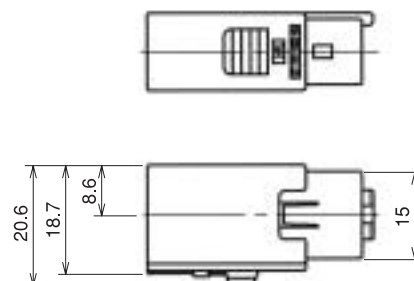
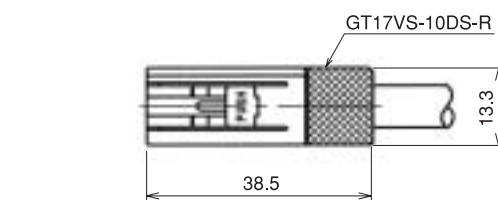
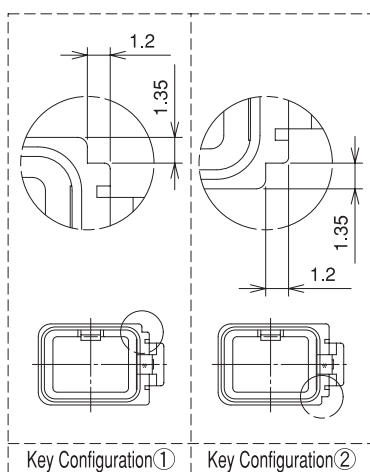
● Housing (Straight Type)

◆ Shown with inserted retainer



GT17VS-10DS-HU

GT17VSA-10DS-HU



Part Number	CL No.	Material	Color	Key Configurations	Packaging
GT17VS-10DS-HU	767-0061-0	PBT	Light gray	①	1
GT17VSA-10DS-HU	767-0062-3	PBT	Black	②	1

Note 1: Used with the separate retainer (GT17-10DS-R).

Note 2: Applicable Cable will have an outside sheath diameter of 7.5 to 8.0 mm.

◆ F Connector (10-Conductor Type) Composition Table

Inner Terminal	Insulator	Outer Terminal	Shield Cover	Housing	Retainer
GT17-2022SCF	GT17V-10DS-2C	GT17V-10DS-8CF	GT17V-10DS-SC	GT17V-10DS-HU	GT17V-10DS-R
GT17-2428SCF				GT17VA-10DS-HU	
GT17-30SCF		GT17VS-10DS-8CF	GT17VS-10DS-SC	GT17VS-10DS-HU	GT17VS-10DS-R
				GT17VSA-10DS-HU	

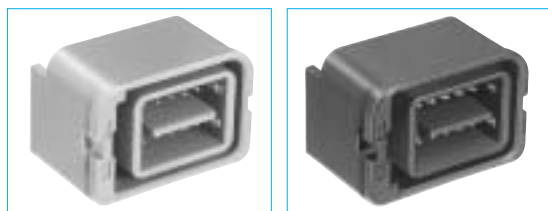
◆ 10-Conductor Type Mating Table

F Connector	M Connector	Color
GT17V-10DS-HU	GT17V-10DP-DS	Light gray
	GT17V-10DP-DSA	
GT17VS-10DS-HU	GT17V-10DP-DS-SB	Black
GT17VA-10DS-HU	GT17VA-10DP-DS	
	GT17VA-10DP-DSA	
GT17VSA-10DS-HU	GT17VA-10P-DS-SB	

GT17 Series

M Connectors (10-Conductor Type)

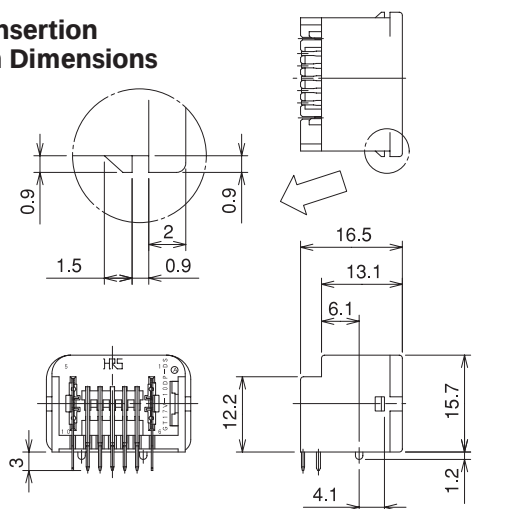
● Printed Circuit Board Type (Right-angle Type)



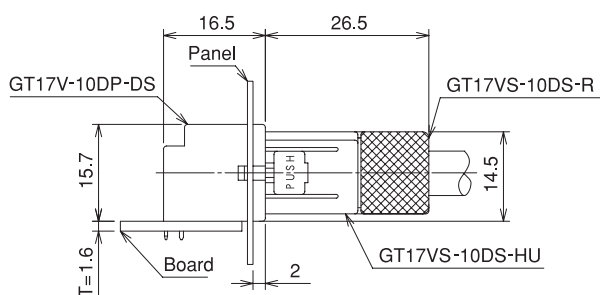
GT17V-10DP-DS

GT17VA-10DP-DS

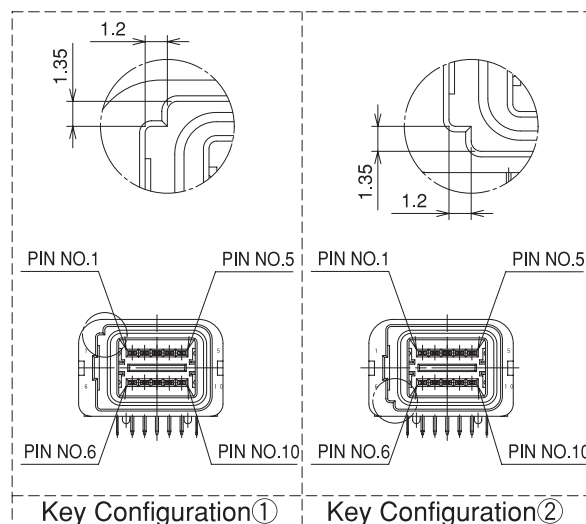
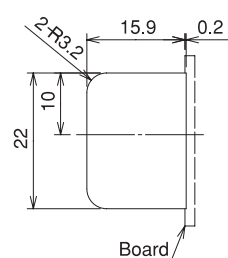
◆ Panel Insertion Portion Dimensions



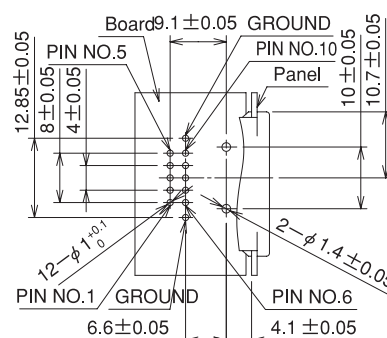
◆ Mounted and fully mated connector assemblies



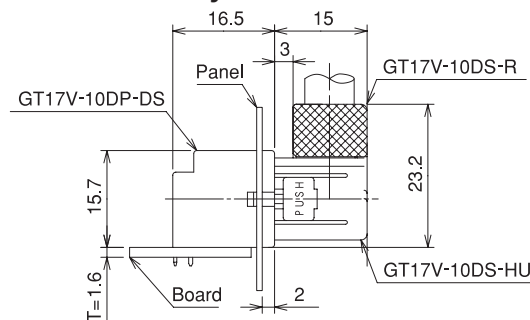
◆ Recommended Panel Cut-out



◆ Recommended PCB Mounting Pattern



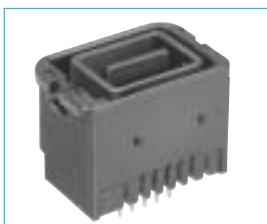
◆ Mounted and fully mated connector assemblies



Part Number	HRS No.	Material	Color	Key Configurations	Direction of Cable Pull-off	Packaging
GT17V-10DP-DS	767-0034-8	Brass (Center terminal)	Light gray	①	Upward with respect to the mounting surface	1
GT17VA-10DP-DS	767-0035-0	Copper alloy (Outer terminals)	Black	②		1
GT17V-10DP-DS(70)	767-0034-8-70	PBT (Housing)	Light gray	①		1
GT17VA-10DP-DS(70)	767-0035-0-70		Black	②		1

(70):Pb free products.

Recommended Panel Cut-out



GT17VA-10DP-DSA

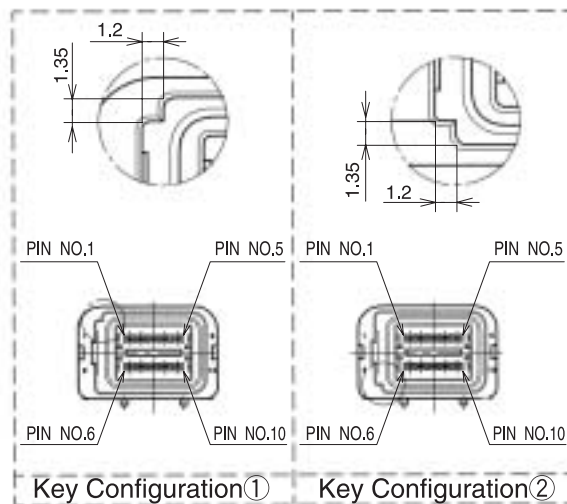
Insertion Dimensions

Technical drawings of the 100-pin connector showing dimensions in millimeters (mm):

- Top View:** Shows a circular footprint with a central square area. Dimensions include a width of 1.5 mm, a height of 0.9 mm, and a central square area of 0.9 mm by 0.9 mm.
- Side View:** Shows the profile of the connector. Dimensions include a total width of 5.05 mm, a total height of 16.5 mm, a central section width of 13.1 mm, a central section height of 6.1 mm, a base width of 3 mm, and a base height of 1.2 mm.
- Front View:** Shows the connector pins. Dimensions include a total width of 21.6 mm, a total height of 23.4 mm, a central section width of 9.8 mm, and a central section height of 10.7 mm.

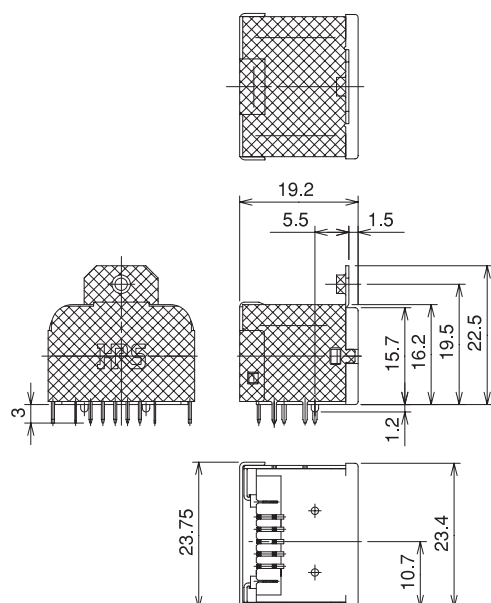
Technical drawing of the GT17V-10DP-DSA assembly. The drawing shows a side view of the assembly with the following dimensions and components labeled:

- Horizontal dimensions: T=1.6, 16.5, 2, 26.5.
- Vertical dimensions: 15.7, 14.5.
- Components labeled: GT17V-10DP-DSA, Panel, Board, GT17VS-10DS-R, GT17VS-10DS-HU.

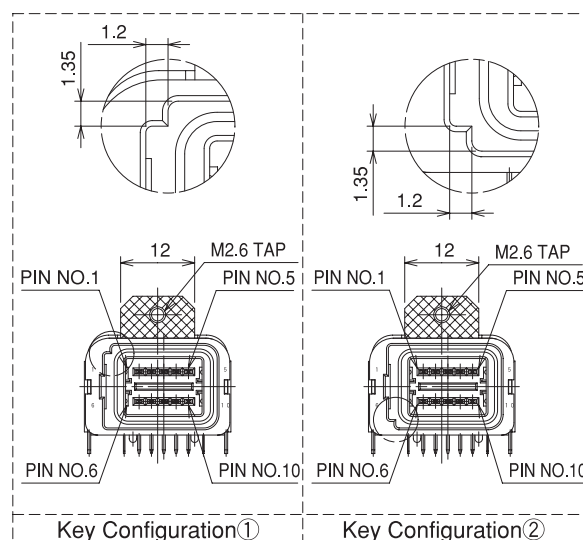


(70):Pb free products.

● Printed Circuit Board Type (Shield Reinforced Type)



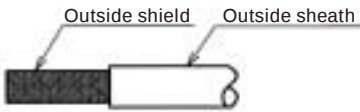
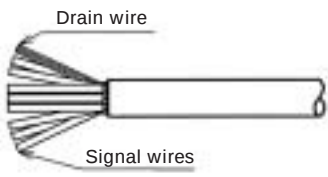
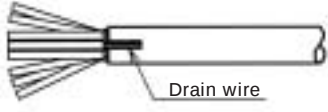
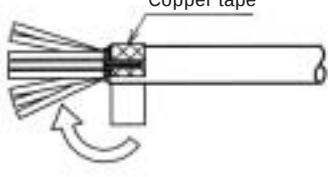
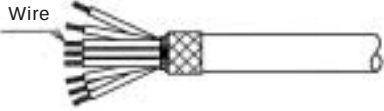
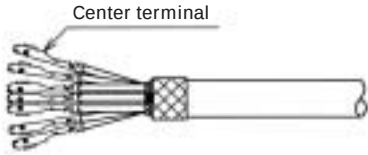
Technical drawing of the GT17VS-10DS-R and GT17VS-10DS-HU components. The drawing shows a side view of the components with dimensions: 19.2, 26.5, 1.5, 1.6, and 14.5. Labels include 'GT17VS-10DS-R', 'GT17VS-10DS-HU', 'Board', and 'Panel'. A cross-hatched area is labeled 'P.U.S.'.



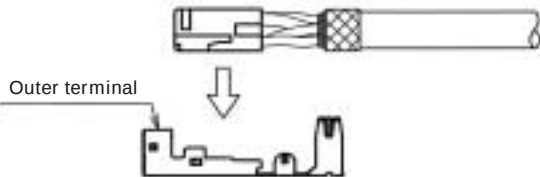
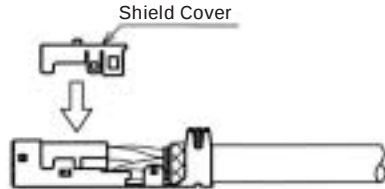
Part Number	HRS No.	Material	Color	Key Configurations	Direction of Cable Pull-off	Packaging
GT17V-10DP-DS-SB	767-0069-2	Brass (Center terminal)	Light gray	①	Upward with respect to the mounting surface	1
GT17VA-10DP-DS-SB	767-0070-1	Copper alloy (Outer terminals)	Black	②		1
GT17V-10DP-DS-SB(70)	767-0069-2-70	Brass (Shield)	Light gray	①		1
GT17VA-10DP-DS-SB(70)	767-0070-1-70		Black	②		1

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◆ Wiring Method

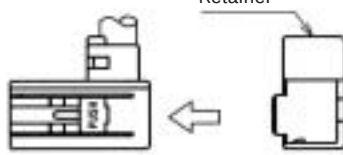
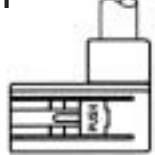
- ① **Strip the outside sheath.**

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

- ③ **Bend back the drain wire over the sheath.**

- ④ **Wrap with copper tape.**

- ⑤ **Strip the wire leads.**

- ⑥ **Crimp the center terminals.**

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


GT17V-10DS-HU Harness Finish

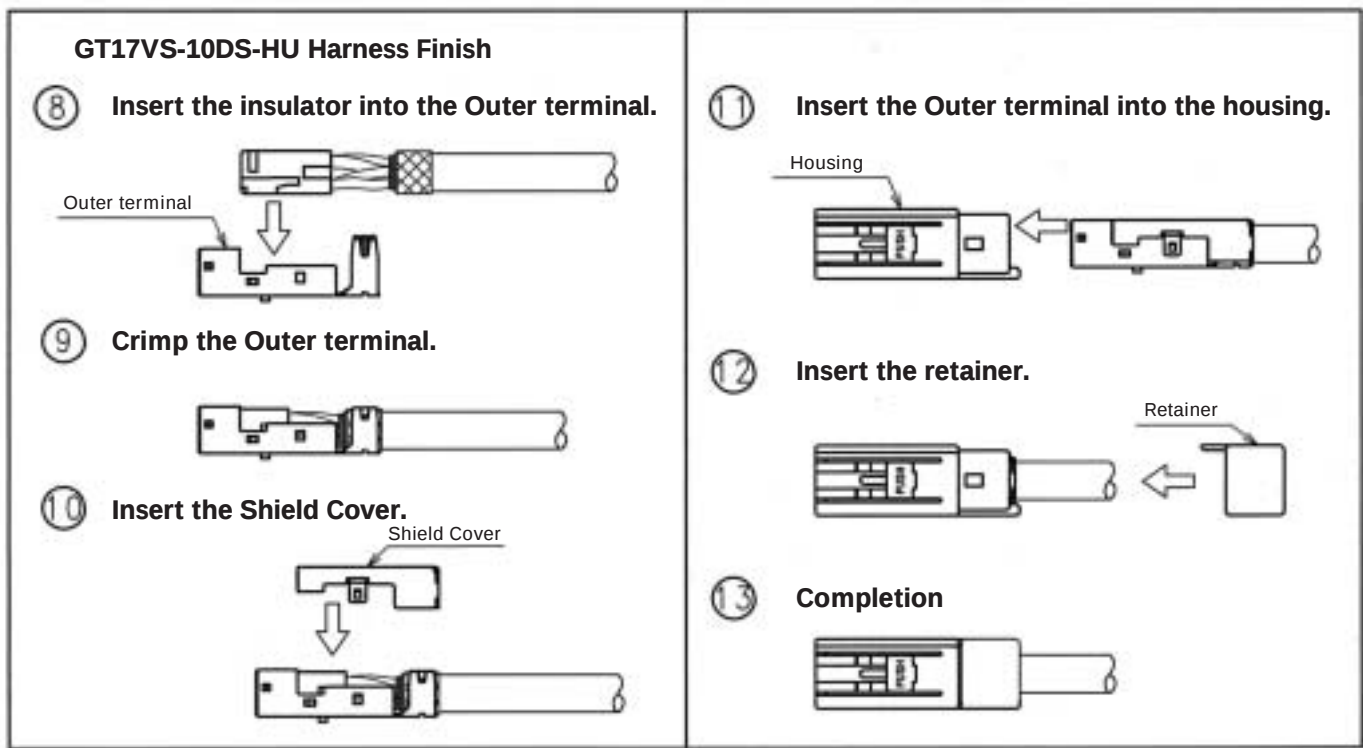
- ⑧ **Insert the insulator into the Outer terminal.**

- 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**


GT17 Series



Termination Tools

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

Automatic Crimping Machine



Part Number CM-105

Hand Press



Specifications

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

* 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.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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