

Termination of coaxial cables in automotive, medical and instrumentation applications utilizes one step to crimp the center conductor, shield and outer insulation.

GT13 Series

— Connectors for coaxial cables —



Features

- **Cost efficient termination**

Highly efficient and reliable one step crimp termination allows high volume production with semi-automatic equipment.

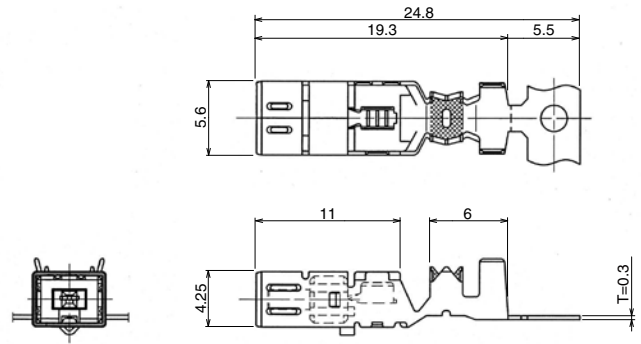
- **Space-saving Design**

Compact and light weight comparing with HRS GT5 series.

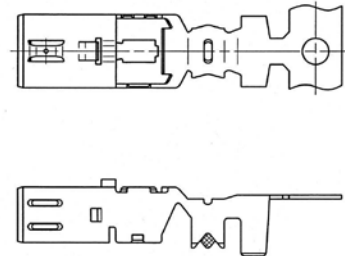
Applications

automotive audio systems.

F Terminals

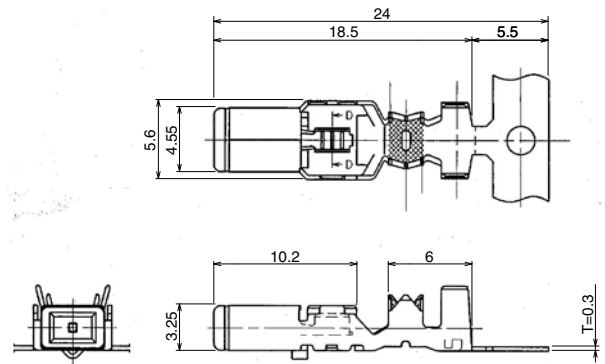


Part Number	HRS No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT13-2428/1.6-2.9SCF(70)	763-0001-3-70	AWG #24 to 28 or equivalent	φ 1.5 to 2.0	φ 2.7 to 3.4	3,000 pcs /reel	YES
GT13-30/1.6-2.9SCF(70)	763-0012-0-70	AWG #30 or equivalent				
GT13-2428/1.6-2.5SCF(70)	763-0042-0-70	AWG #24 to 28 or equivalent		φ 2.3 to 2.7		
GT13-2428/F4-5SCF(70)	763-0051-1-70	AWG #24 to 28 or equivalent	φ 3.0 to 3.6	φ 4.6 to 5.0	2,200 pcs /reel	
GT13-30/F4-5SCF(70)	763-0067-1-70	AWG #30 or equivalent				
GT13-30/F3.3-3.8SCF(70)	763-0052-4-70	AWG #30 or equivalent	φ 2.5 to 2.9	φ 3.6 to 4.0		
GT13-2022/F4-5SCF(70)	763-0068-4-70	AWG #20 to 22 or equivalent	φ 3.0 to 3.6	φ 4.6 to 5.0		

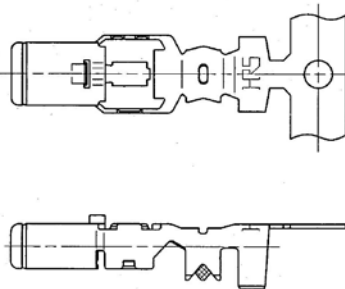


Item	Material	Color/Finish
Insulator	PBT	Dark Gray
Center terminals	Copper alloy	Tin plating
Outside tube terminals	Copper alloy	Tin plating

M Terminals



Part Number	HRS No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT13-2428/1.6-2.9PCF(70)	763-0002-6-70	AWG #24 to 28 or equivalent	φ 1.5 to 2.0	φ 2.7 to 3.4	4,000 pcs /reel	YES
GT13-30/1.6-2.9PCF(70)	763-0041-8-70	AWG #30 or equivalent		φ 2.3 to 2.7		
GT13-2428/1.6-2.5PCF(70)	763-0069-7-70	AWG #24 to 28 or equivalent	φ 3.0 to 3.6	φ 4.6 to 5.0		
GT13-2428/F4-5PCF(70)	763-0054-0-70	AWG #24 to 28 or equivalent		φ 4.6 to 5.0		
GT13-30/F4-5PCF(70)	763-0066-9-70	AWG #30 or equivalent	φ 2.5 to 2.9	φ 3.6 to 4.0		
GT13-30/F3.3-3.8PCF(70)	763-0053-7-70	AWG #30 or equivalent		φ 3.6 to 4.0		
GT13-2428/F3.3-3.8PCF(70)	763-0079-0-70	AWG #24 to 28 or equivalent	φ 3.0 to 3.6	φ 4.6 to 5.0		
GT13-2022/F4-5PCF(70)	763-0068-4-70	AWG #20 to 22 or equivalent		φ 4.6 to 5.0		



Item	Material	Color/Finish
Insulator	PBT	Dark Gray
Center terminals	Copper alloy	Tin plating
Outside tube terminals	Copper alloy	Tin plating

Low insertion F Terminals



Part Number	HRS No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT13L-2428/F4-5SCF	763-0098-5	AWG #24 to 28 or equivalent	φ 3.0 to 3.6	φ 4.6 to 5.0	2,200pcs/reel	YES

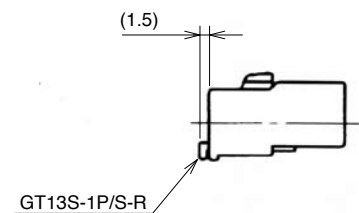
Item	Material	Color/Finish
Insulator	PBT	Dark Gray
Center terminals	Copper alloy	Tin plating
Outside tube terminals	Copper alloy	Tin plating

13S Series

F Housing(1 coaxial)

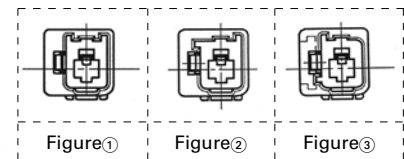
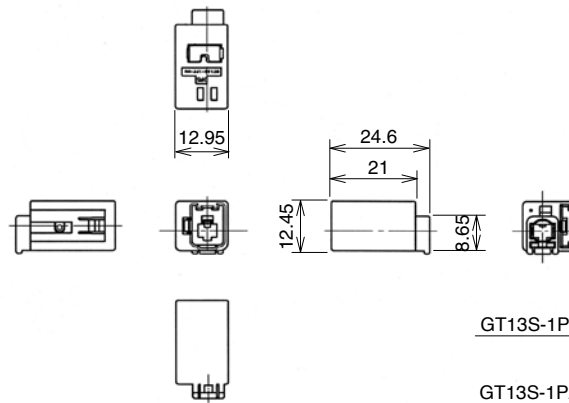


◆ Shown with inserted retainer.

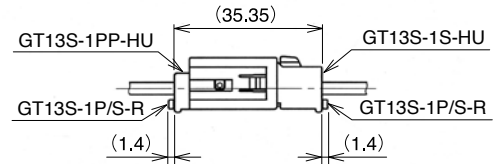


Part Number	HRS No.	Material	Color	Key polarizing code	RoHS
GT13S-1S-HU	763-0024-9	PBT	Light Gray	Figure①	YES
GT13S-1S-HU (A)	763-0025-1	PBT	Brown	Figure②	
GT13S-1S-HU (B)	763-0026-4	PBT	Green	Figure③	

M Housing(1 coaxial)



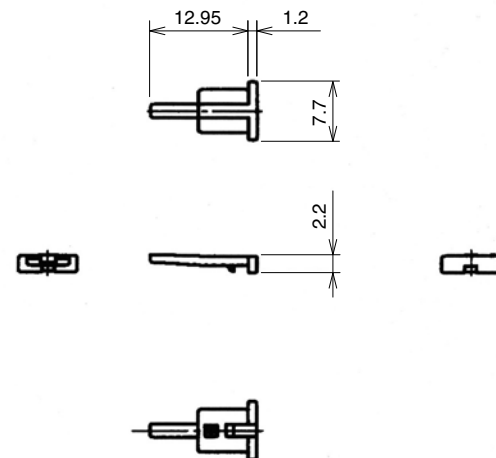
◆ Fully mated connector assemblies



Part Number	HRS No.	Color	Key polarizing code	RoHS
GT13S-1PP-HU	763-0030-1	Light Gray	Figure①	YES
GT13S-1PP-HU (A)	763-0031-4	Brown	Figure②	
GT13S-1PP-HU (B)	763-0032-7	Green	Figure③	

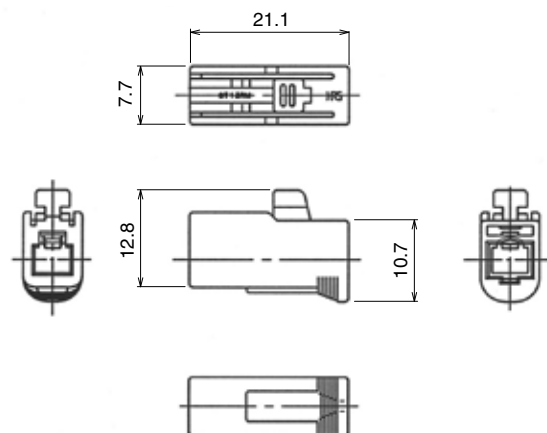
Part	Material	Finish
Ground terminal	Copper alloy	Tin plating
Housing	PBT	—

Retainer



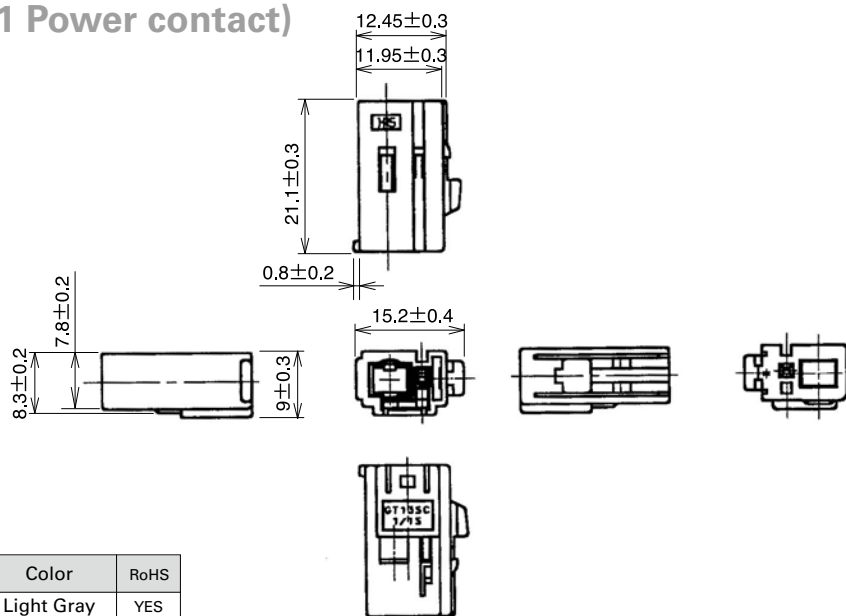
Part Number	HRS No.	Material	Color	RoHS
GT13S-1P/S-R	763-0033-0	PBT	Dark Gray	YES

F Housing(1 coaxial) No retainer required type



Part Number	HRS No.	Material	Color	RoHS
GT13RM-1S-HU	763-0099-8	PBT	Light Gray	YES

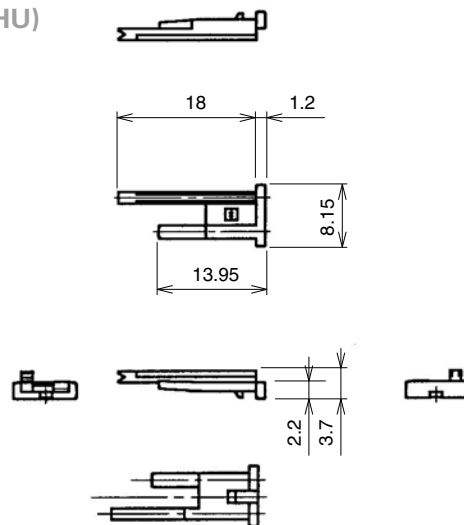
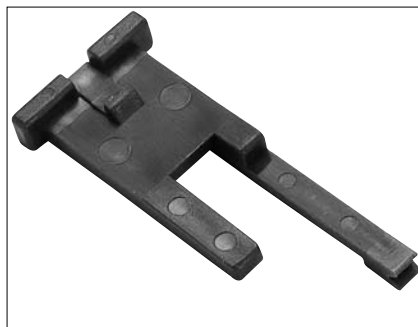
F Housing(1 Coaxial + 1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SC-1/1S-HU	763-0010-4	PBT	Light Gray	YES

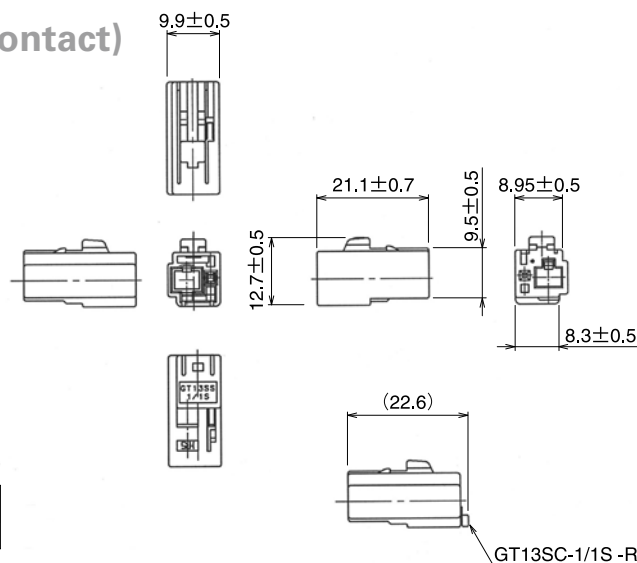
Note : GT10A-2022SCF is used for power supply terminals.

● Retainer(Used with GT13SC-1/1S-HU, GT13SS-1/1S-HU)



Part Number	HRS No.	Material	Color	RoHS
GT13SC-1/1S-R	763-0011-7	PBT	Dark Gray	YES

F Housing(1 Coaxial + 1 Power contact)

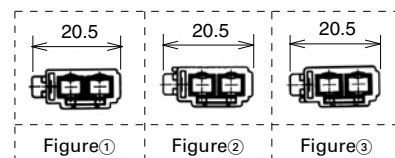
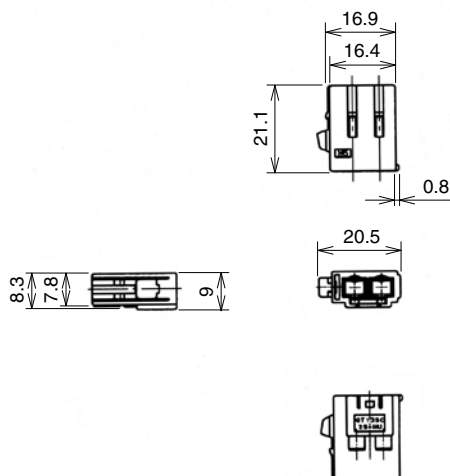


Part Number	HRS No.	Material	Color	RoHS
GT13SS-1/1S-HU	763-0093-1	PBT	Light Gray	YES

Note : GT10A-2022SCF is used for power supply terminals.

◆ Shown with inserted retainer.

F Housing(2 coaxials)



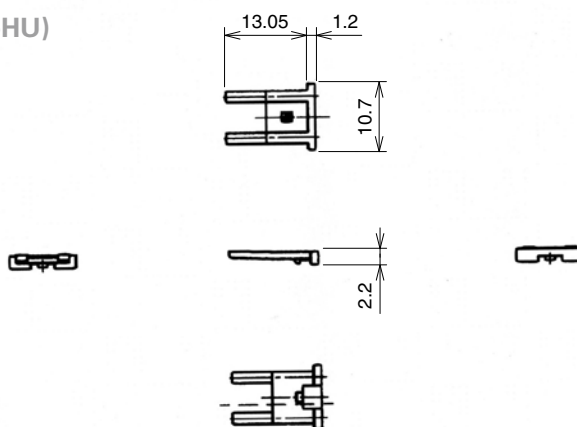
◆ Shown with inserted retainer.



GT13SC-2S-R

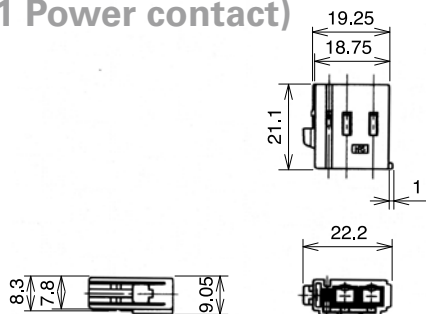
Part Number	HRS No.	Color	Key polarizing code	RoHS
GT13SC-2S-HU	763-0014-5	Light Gray	Figure ①	YES
GT13SC-2S-HU (A)	763-0043-3	Brown	Figure ②	
GT13SC-2S-HU (B)	763-0037-0	Green	Figure ③	

● Retainer (Used with GT13SC-2S-HU, GT13SCN-2PP-HU and GT13SCH-2PP-HU)

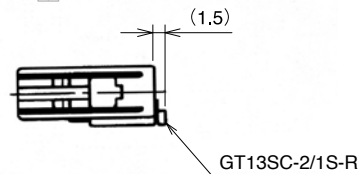


Part Number	HRS No.	Material	Color	RoHS
GT13SC-2S-R	763-0015-8	PBT	Dark Gray	YES

F Housing(2 Coaxials + 1 Power contact)



◆ Shown with inserted retainer.

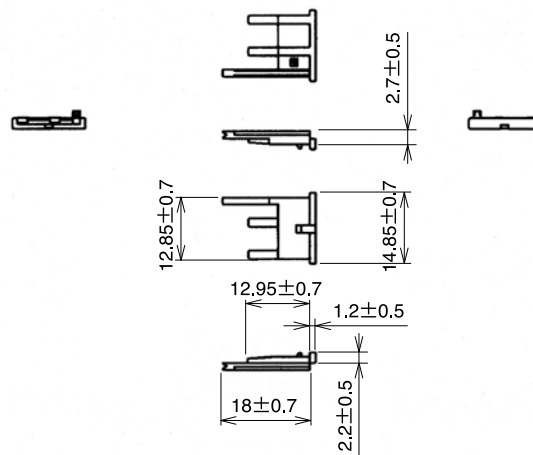


GT13SC-2/1S-R

Part Number	HRS No.	Material	Color	RoHS
GT13SC-2/1S-HU	763-0016-0	PBT	Light Gray	YES

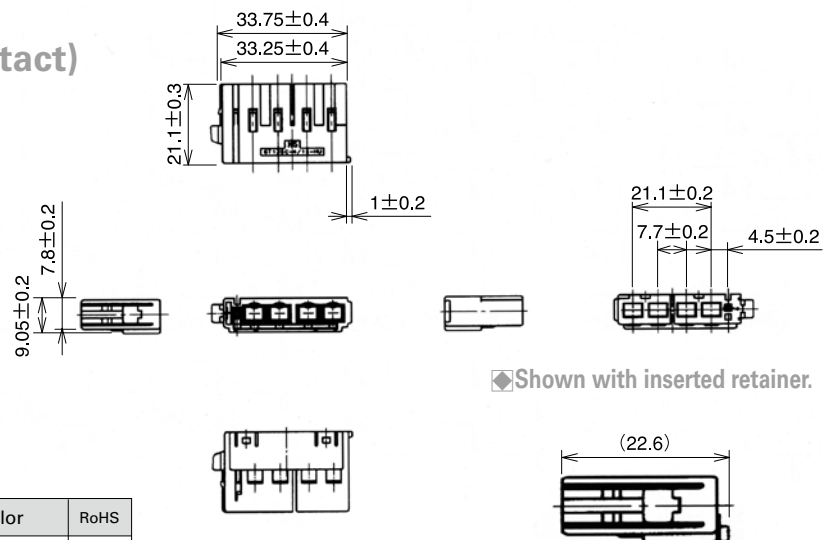
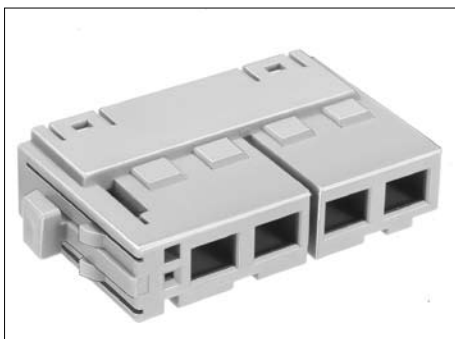
Note : GT10A-2022SCF is used for power supply terminals.

● Retainer (Only for GT13SC-2/1S-HU)



Part Number	HRS No.	Material	Color	RoHS
GT13SC-2/1S-R	763-0017-3	PBT	Dark Gray	YES

■ F Housing(4 Coaxials + 1 Power contact)

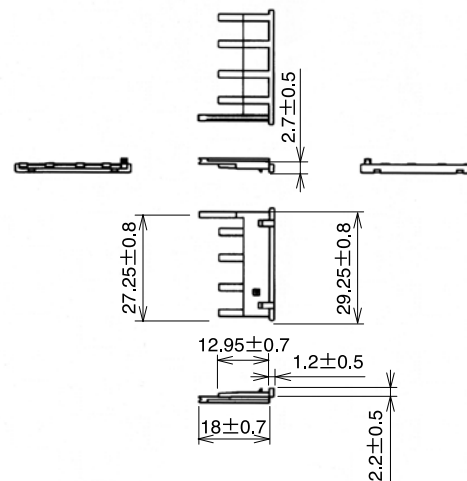
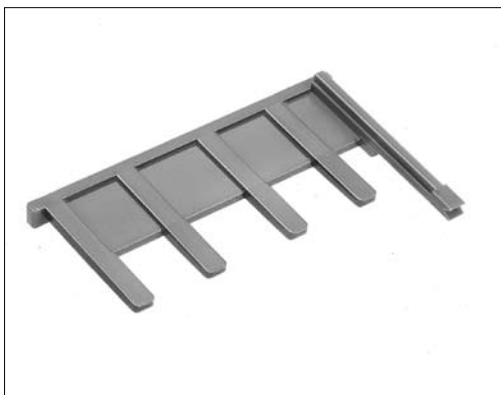


◆ Shown with inserted retainer.

Part Number	HRS No.	Material	Color	RoHS
GT13SC-4/1S-HU	763-0021-0	PBT	Light Gray	YES
GT13SC-4/1S-HU (A)	763-0022-3		Brown	

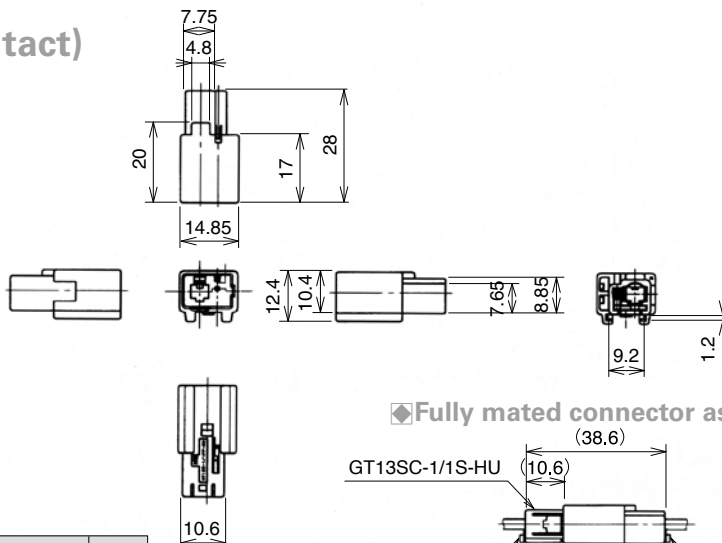
Note : GT10A-2022SCF is used for power supply terminals.

● Retainer (Only for GT13SC-4/1S-R)



Part Number	HRS No.	Material	Color	RoHS
GT13SC-4/1S-R	763-0023-6	PBT	Dark Gray	YES

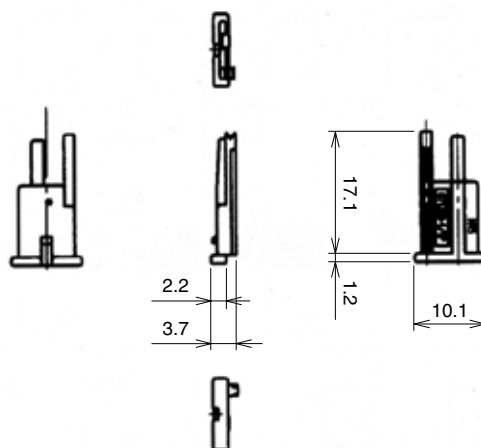
M Housing(1 Coaxial + 1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SCN-1/1PP-HU	763-0036-8	PBT	Light Gray	YES

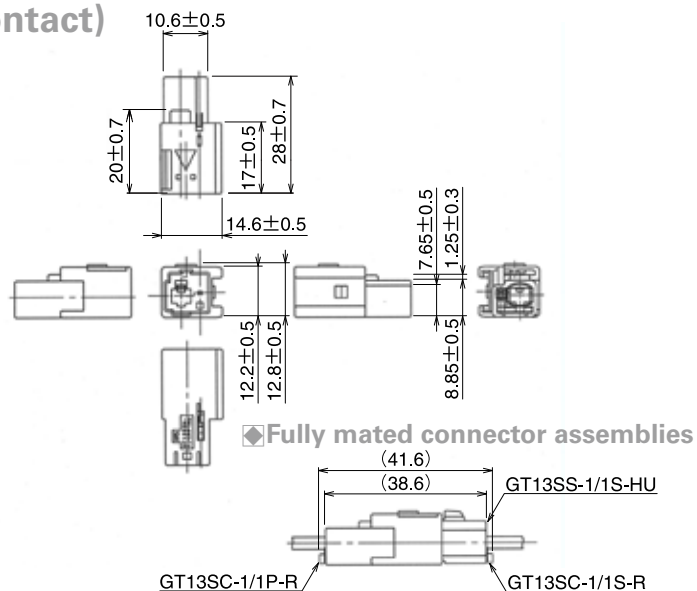
Note : GT10SC-2022PCF or GT10A-2022PCF is used for power supply terminals.

● Retainer (Only for GT13SCN-1/1PP-HU)



Part Number	HRS No.	Material	Color	RoHS
GT13SC-1/1P-R	763-0039-6	PBT	Dark Gray	YES

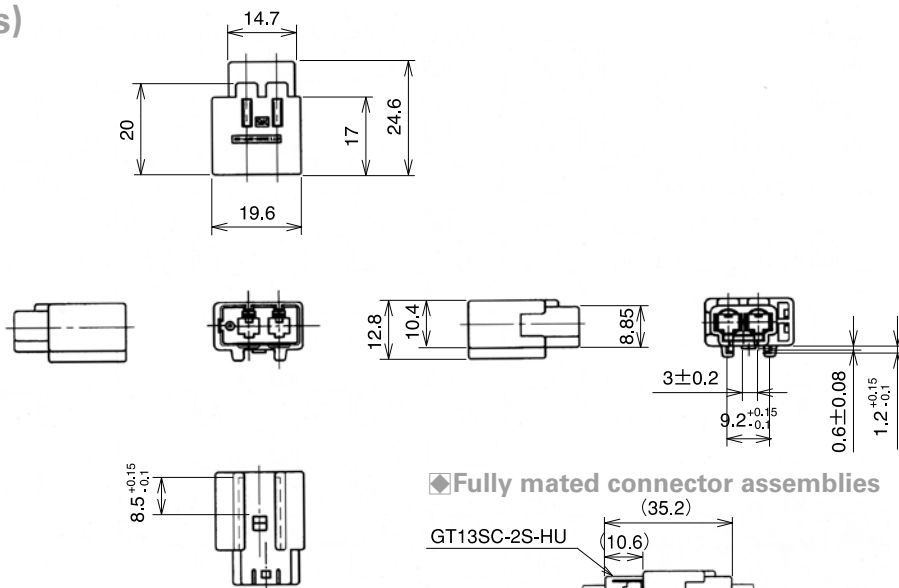
M Housing(1 Coaxial + 1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SSN-1/1PP-HU	763-0092-9	PBT	Light Gray	YES

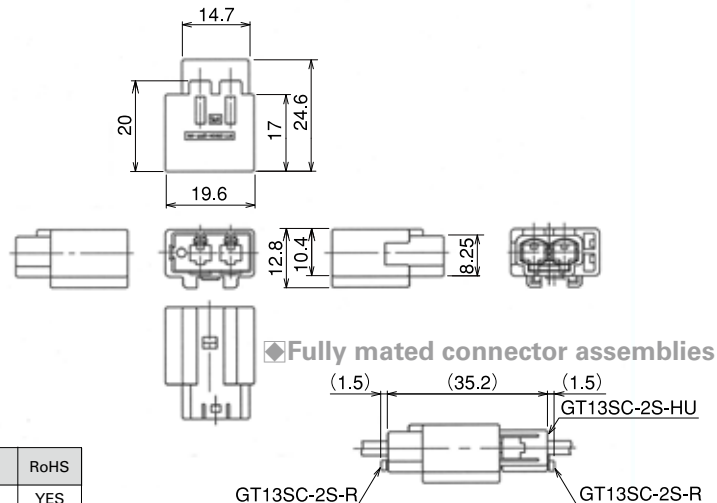
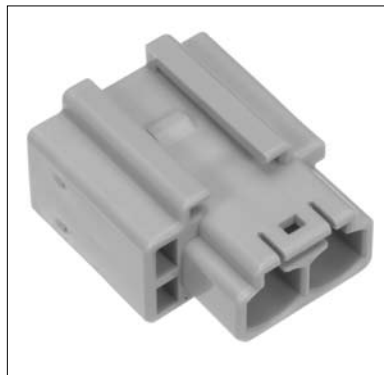
Note : GT10SC-2022PCF or GT10A-2022PCF is used for power supply terminals.

M Housing(2 coaxials)



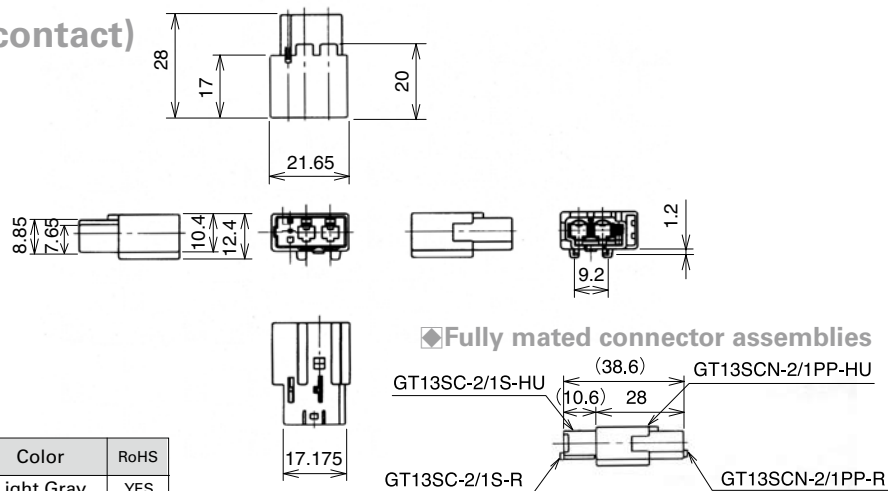
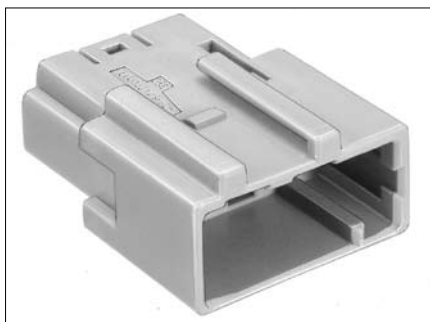
Part Number	HRS No.	Material	Color	RoHS
GT13SCN-2PP-HU	763-0046-1	PBT	Light Gray	YES

M Housing(2 coaxials)



Part Number	HRS No.	Material	Color	RoHS
GT13SCH-2PP-HU	763-0072-1	PBT	Light Gray	YES

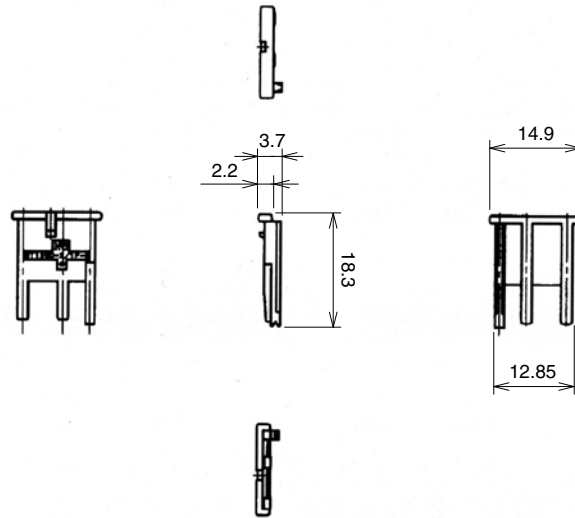
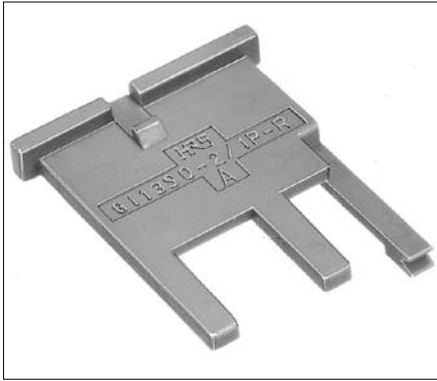
M Housing(2 Coaxials + 1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SCN-2/1PP-HU	763-0038-3	PBT	Light Gray	YES

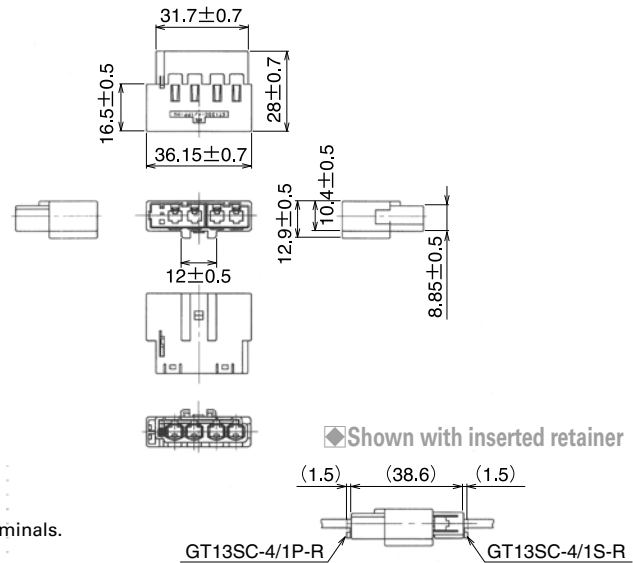
Note : GT10SC-2022PCF or GT10A-2022PCF is used for power supply terminals.

● Retainer (Only for GT13SCN-2/1PP-HU)



Part Number	HRS No.	Material	Color	RoHS
GT13SC-2/1PP-R	763-0040-5	PBT	Dark Gray	YES

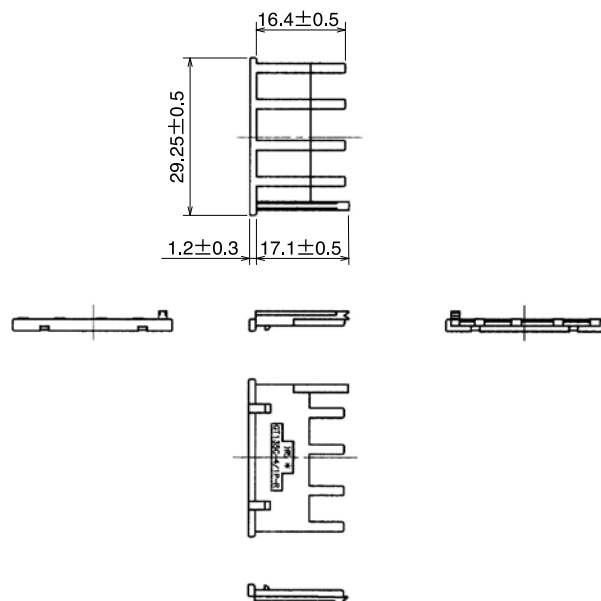
■ M Housing(4 Coaxials + 1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SCH-4/1PP-HU	763-0060-2	PBT	Light Gray	YES

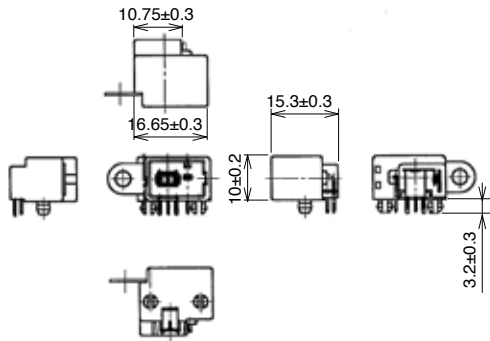
Note : GT10SC-2022PCF or GT10A-2022PCF is used for power supply terminals.

● Retainer

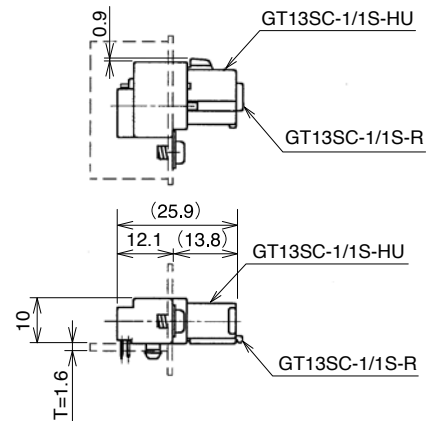


Part Number	HRS No.	Material	Color	RoHS
GT13SC-4/1P-R	763-0061-5	PBT	Dark Gray	YES

Printed Circuit Board Type (1 Coaxial +1 Power contact)



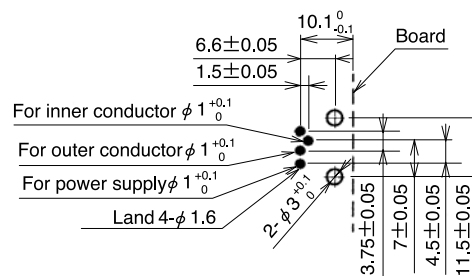
Fully mated connector assemblies



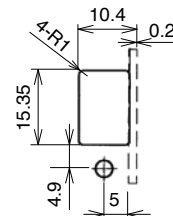
Part Number	HRS No.	Material	Color	RoHS
GT13SC-1/1PP-DS(70)	763-0009-5-70	PBT	Light Gray	YES

Part	Material	Color/Finish
Housing	PBT	—
Center terminal	Copper alloy	Tin plating
Outside tube terminal	Copper alloy	Tin plating
Power terminal	Copper alloy	Tin plating
Metal bracket	Copper alloy	Tin plating

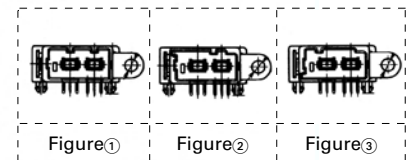
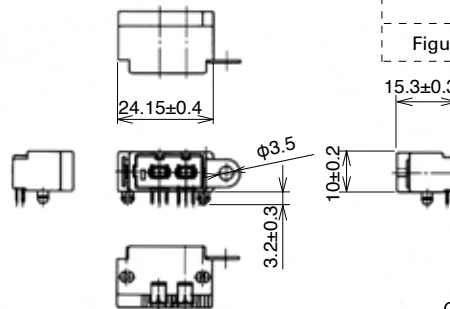
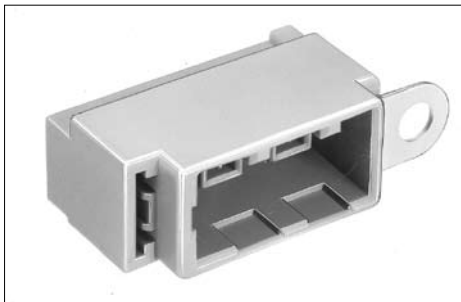
Recommended Board Mounting Pattern



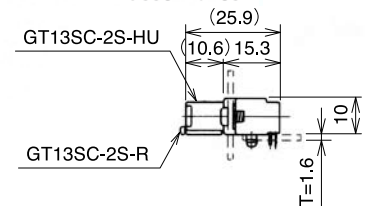
Recommended Panel Cutout



Printed Circuit Board Type (2 Coaxials)



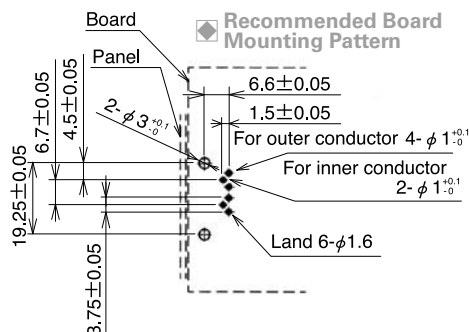
Fully mated connector assemblies



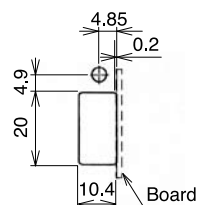
Part Number	HRS No.	Material	Color	RoHS
GT13SC-2PP-DS	763-0013-2	PBT	Light Gray	YES
GT13SC-2PP-DS (A)	763-0034-2	PBT	Brown	
GT13SC-2PP-DS (B)	763-0035-5	PBT	Green	

Part	Material	Color/Finish
Housing	PBT	—
Center terminal	Copper alloy	Tin plating
Outside tube terminal	Copper alloy	Tin plating
Metal bracket	Copper alloy	Tin plating

Recommended Board Mounting Pattern



Recommended Panel Cutout



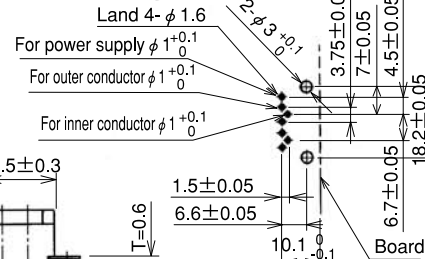
Printed Circuit Board Type (2 Coaxials + 1 Power contact)



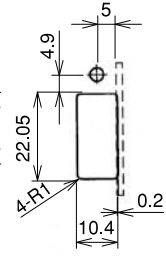
Part Number	HRS No.	Material	Color	RoHS
GT13SC-2/1PP-DS(70)	763-0018-6-70	PBT	Light Gray	YES

Part	Material	Color/Finish
Housing	PBT	—
Center terminal	Copper alloy	Tin plating
Outside tube terminal	Copper alloy	Tin plating
Power terminal	Copper alloy	Tin plating
Metal bracket	Copper alloy	Tin plating

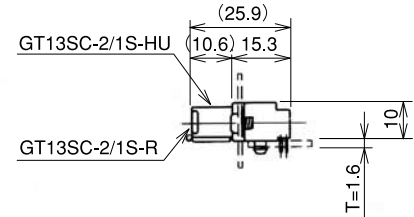
Recommended Board Mounting Pattern



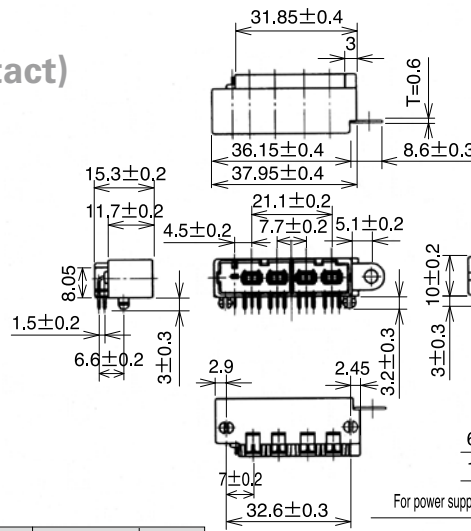
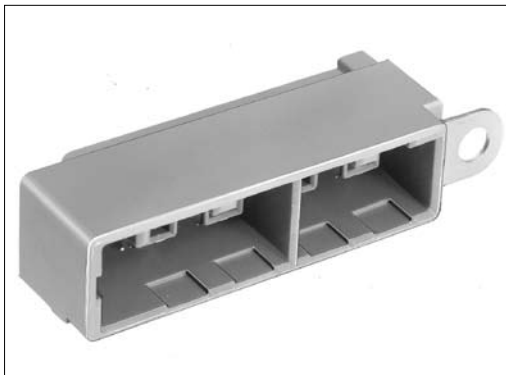
Recommended Panel Cutout



Fully mated connector assemblies



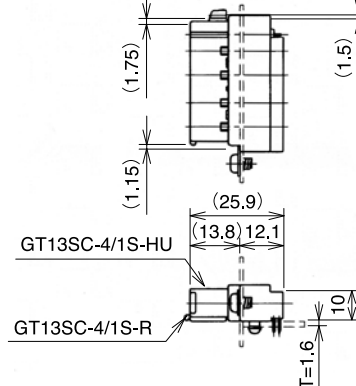
Printed Circuit Board Type (4 Coaxials + 1 Power contact)



Part Number	HRS No.	Material	Color	Key polarizing code	RoHS
GT13SC-4/1PP-DS(70)	763-0019-9-70	PBT	Light Gray	Figure①	YES
GT13SC-4/1PP-DS (A)(70)	763-0020-8-70	PBT	Brown	Figure②	YES

Part	Material	Color/Finish
Housing	PBT	—
Center terminal	Copper alloy	Tin plating
Outside tube terminal	Copper alloy	Tin plating
Power terminal	Copper alloy	Tin plating
Metal bracket	Copper alloy	Tin plating

Fully mated connector assemblies



Recommended Board Mounting Pattern



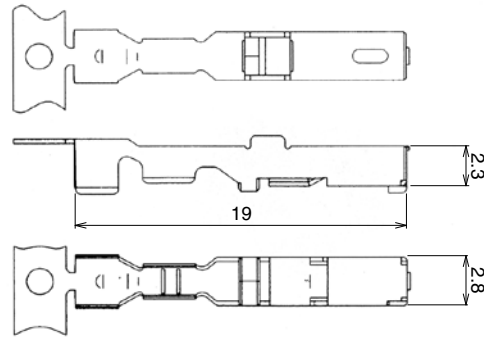
Recommended Panel Cutout



GT13SH Series

Power Supply Terminals

F Connector Terminals

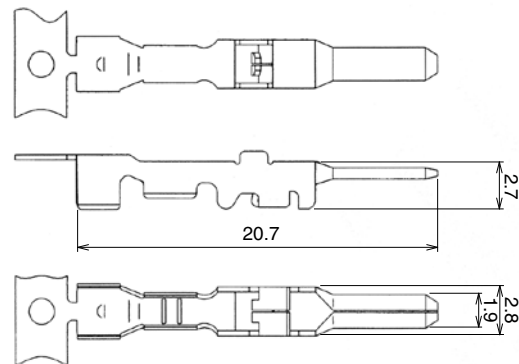


Part Number	HRS No.	Material	Finish	Conductor Size(AWG)	Inner Insulation Diameter	Packaging	RoHS
GT7-2022SCF(70)	757-0001-1-70	Copper alloy	Tin plating	#20 to 22	φ 1.4 to 2.4	5,000 pcs/reel	YES
GT7A-2022SCF(70)	757-0003-7-70			#20 to 22	φ 2.6 to 3.1	3,000 pcs/reel	

Note1 : Sold by the reel.(See above table for number of Packaging.)

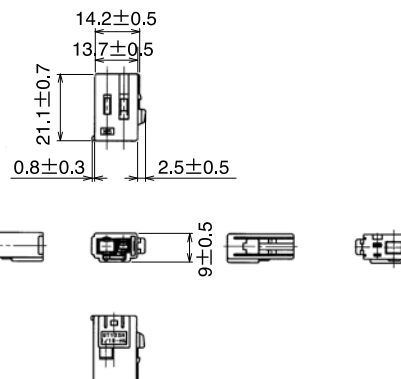
Note2 : This component is used only with applicable HRS housings.

M Connector Terminals



Part Number	HRS No.	Material	Finish	Conductor Size(AWG)	Inner Insulation Diameter	Packaging	RoHS
GT7-2022PCF(70)	757-0002-4-70	Brass	Tin plating	#20 to 22	φ 1.4 to 2.4	5,000 pcs/reel	YES
GT7A-2022PCF(70)	757-0004-0-70			#20 to 22	φ 2.6 to 3.1	3,000 pcs/reel	

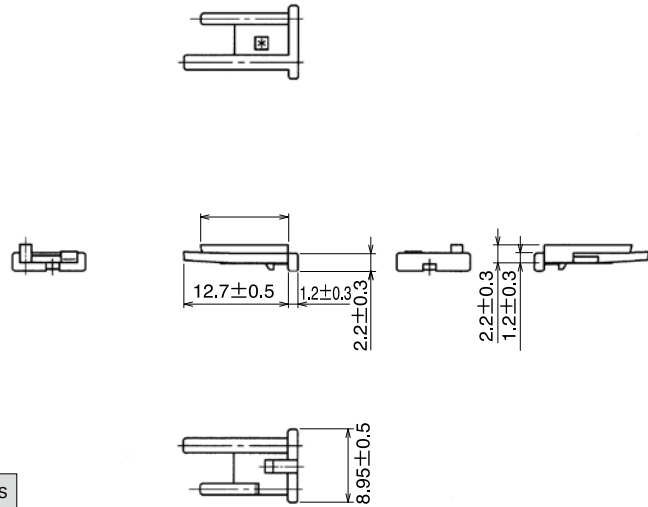
F Housing (1 Coaxial + 1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SH-1/1S-HU	763-0048-7	PBT	Light Gray	YES
GT13SH-1/1S-HU(A)	763-0059-3	PBT	Brown	

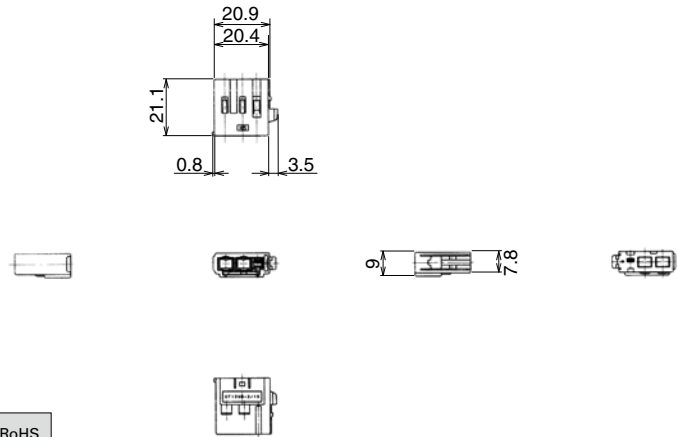
Note : GT7-2022SCF(70) or GT7A-2022SCF(70) is used for power supply terminals.

● Retainer



Part Number	HRS No.	Material	Color	RoHS
GT13SH-1/1S-R	763-0049-0	PBT	Dark Gray	YES

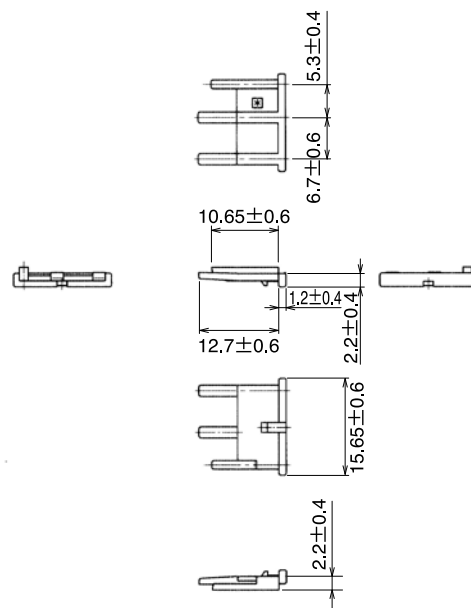
■ F Housing(2 Coaxials + 1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SH-2/1S-HU	763-0065-6	PBT	Light Gray	YES

Note : GT7-2022SCF(70) or GT7A-2022SCF(70) is used for power supply terminals.

● Retainer



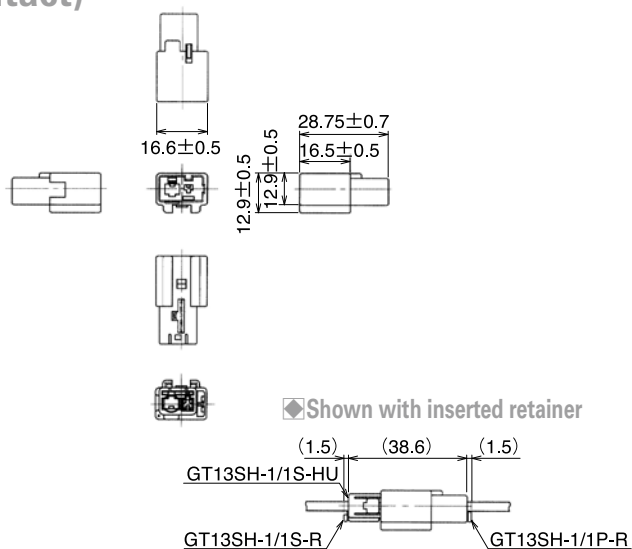
Part Number	HRS No.	Material	Color	RoHS
GT13SH-2/1S-R	763-0064-3	PBT	Dark Gray	YES

M Housing(1 Coaxial + 1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SH-1/1PP-HU	763-0055-2	PBT	Light Gray	YES

Note : Power supply terminal is GT7-2022PCF(70) or GT7A-2022PCF(70).

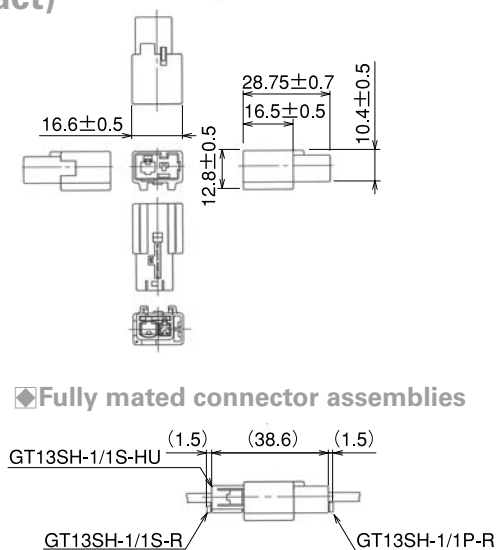


M Housing(1 Coaxial + 1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SHN-1/1PP-HU	763-0078-8	PBT	Light Gray	YES

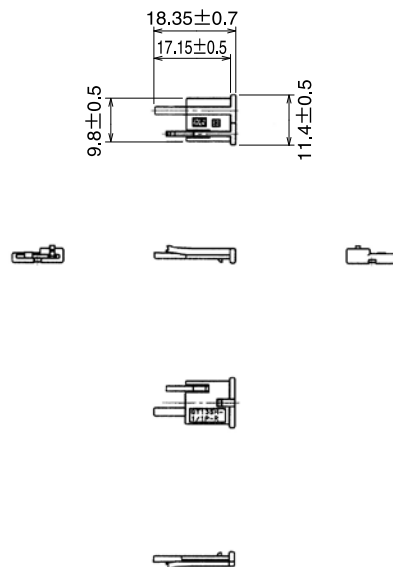
Note : Power supply terminal is GT7-2022PCF(70) or GT7A-2022PCF(70).



Retainer



Part Number	HRS No.	Material	Color	RoHS
GT13SH-1/1P-R	763-0056-5	PBT	Dark Gray	YES

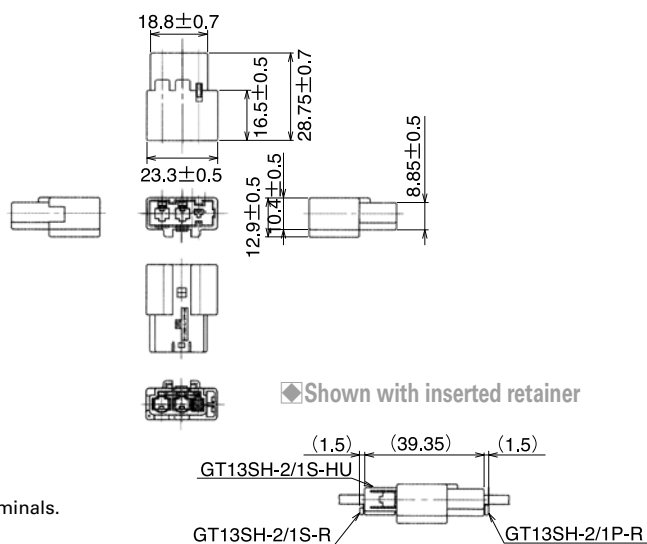


■ **M Housing(2 Coaxials + 1 Power contact)**



Part Number	HRS No.	Material	Color	RoHS
GT13SH-2/1PP-HU	763-0076-2	PBT	Light Gray	YES

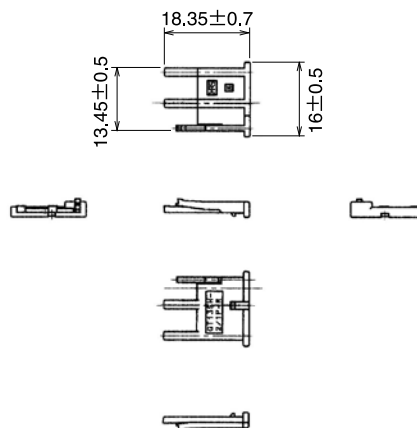
Note : GT7-2022SCF(70) or GT7A-2022SCF(70) is used for power supply terminals.



- Retainer



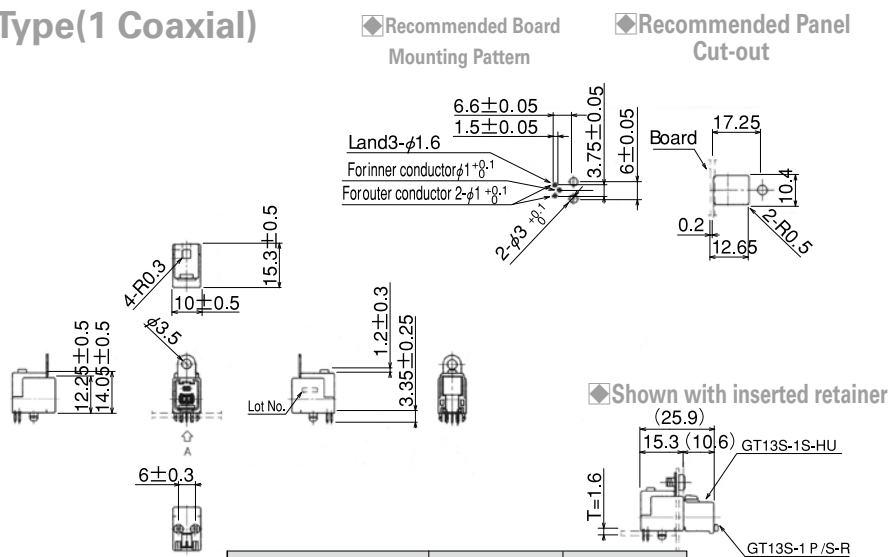
Part Number	HRS No.	Material	Color	RoHS
GT13SH-2/1P-R	763-0077-5	PBT	Dark Gray	YES



■ Printed Circuit Board Type(1 Coaxial)



Part Number	HRS No.	Material	Color	RoHS
GT13SHA-1PP-DS	763-0062-8	PBT	Light Gray	YES



Part	Material	Color/Finish
Housing	PBT	—
Center terminal	Copper alloy	Tin plating
Outside tube terminal	Copper alloy	Tin plating
Metal bracket	Copper alloy	Tin plating

F Housing(1 Coaxial +1 Power contact)



Part Number	HRS No.	Material	Color	RoHS
GT13SH-1/1RS-HU	763-0074-7	PBT	Light Gray	YES

Note1 : GT7RA-2022SC is used for power supply terminals.

Note2 : GT13R-1.6-2.9SC is used for signal.

◆Shown with inserted retainer

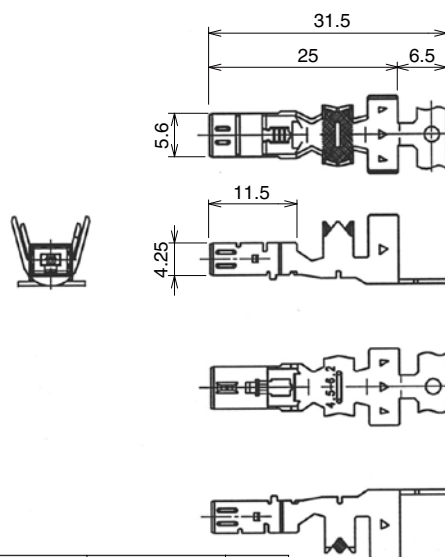
● Retainer (Used with GT13SH-1/1RS-HU)



Part Number	HRS No.	Material	Color	RoHS
GT13SH-1/1RS-R	763-0075-0	PBT	Dark Gray	YES

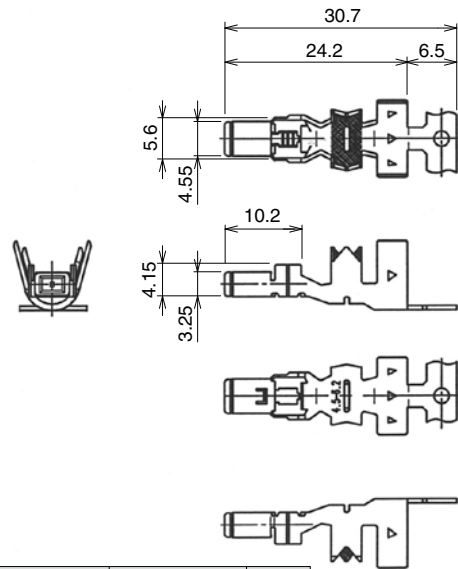
GT13GM Series

F Terminals



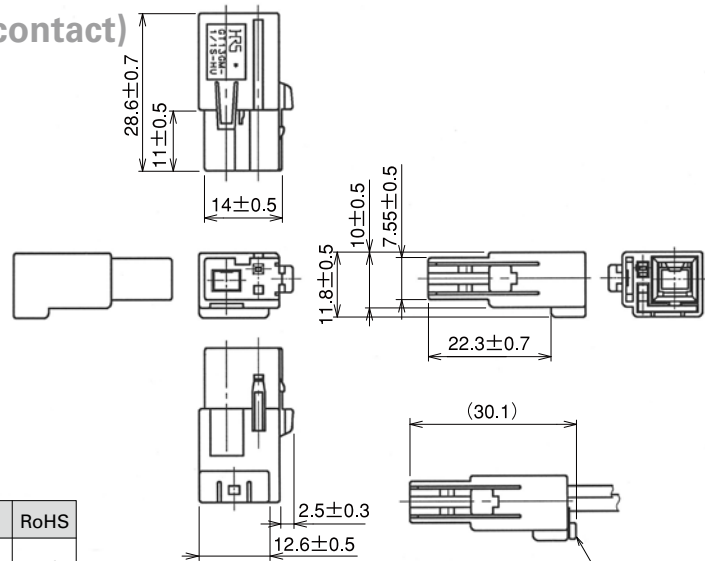
Part Number	HRS No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT13GM-2022/4.5-6.2SCF	763-0084-0	AWG#20~22	φ 4.2 to 4.8	φ 5.8 to 6.6	1400 pcs/reel	YES

M Terminals



Part Number	HRS No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT13GM-2022/4.5-6.2PCF	763-0085-3	AWG#20~22	φ 4.2 to 4.8	φ 5.8 to 6.6	1400 pcs/reel	YES

F Housing(1 Coaxial +1 Power contact)

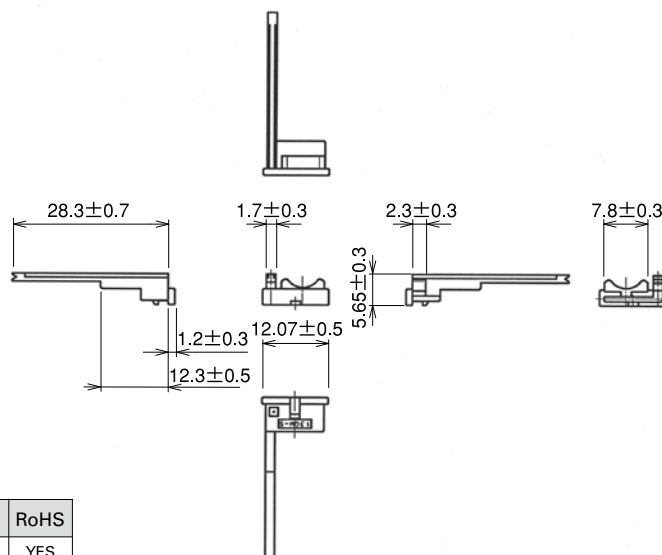


Part Number	HRS No.	Material	Color	RoHS
GT13GM-1/1S-HU	763-0088-6	PBT	Light Gray	YES
GT13GM-1/1S-HU(22)	763-0088-6-22	PBT	White	YES

◆Shown with inserted retainer

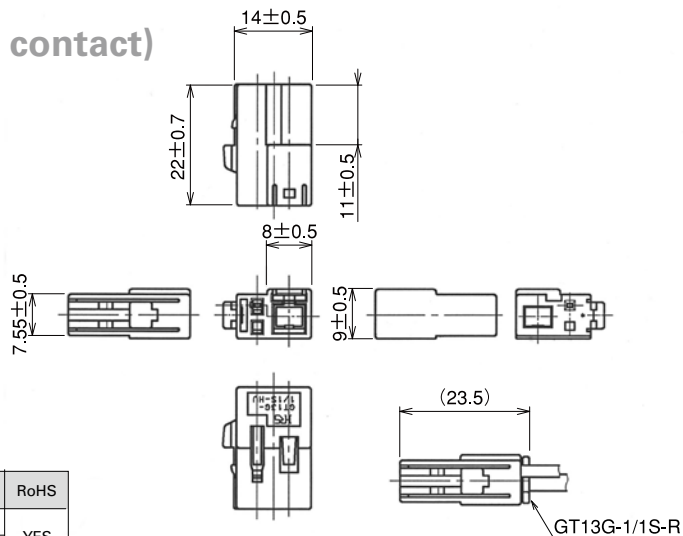
GT13GM-1/1S-R

● Retainer (Only for GT13GM-1/1S-HU)



Part Number	HRS No.	Material	Color	RoHS
GT13GM-1/1S-R	763-0087-9	PBT	Dark Gray	YES

F Housing(1 Coaxial +1 Power contact)



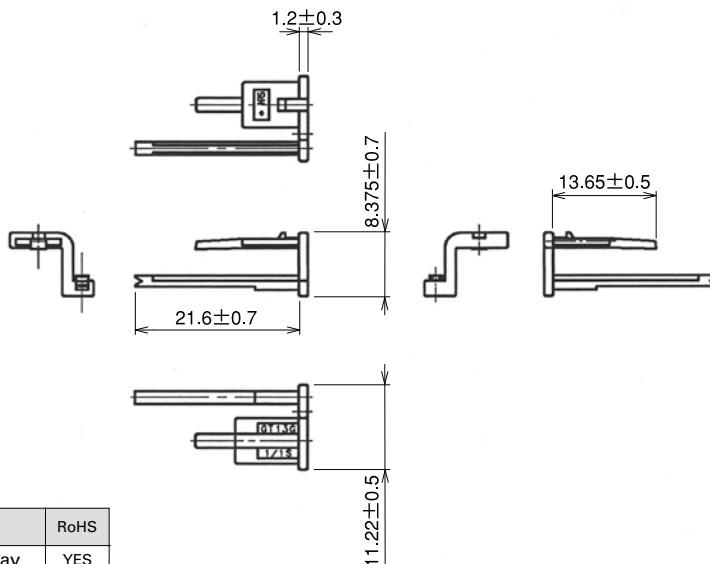
GT13G-1/1S-R

◆ Shown with inserted retainer

Part Number	HRS No.	Material	Color	RoHS
GT13G-1/1S-HU	763-0090-3	PBT	Light Gray	YES
GT13G-1/1S-HU(22)	763-0090-3-22	PBT	White	YES

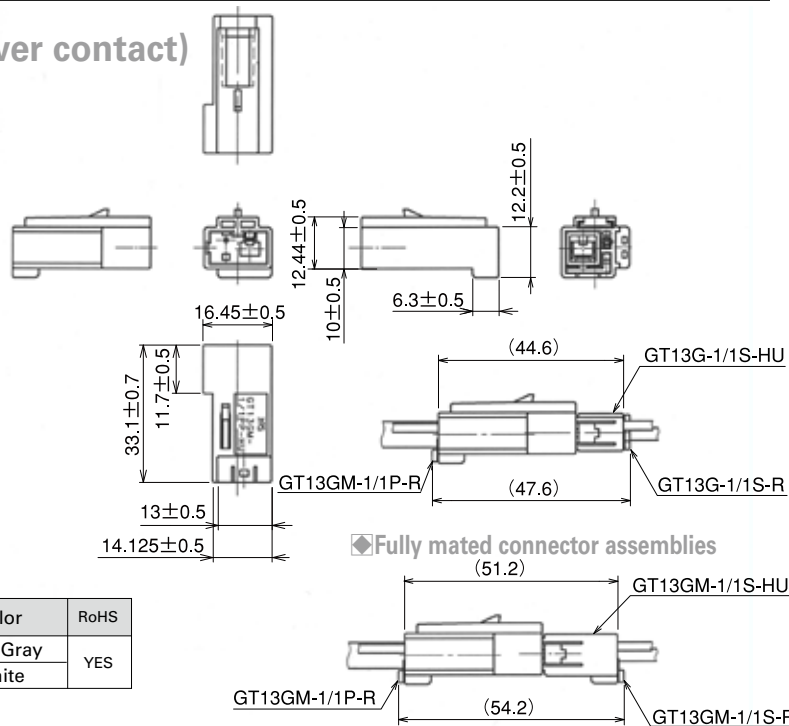
Note : Retor to page 30, 31 for F terminals.

● Retainer (Only for GT13G-1/1S-HU)



Part Number	HRS No.	Material	Color	RoHS
GT13G-1/1S-R	763-0091-6	PBT	Dark Gray	YES

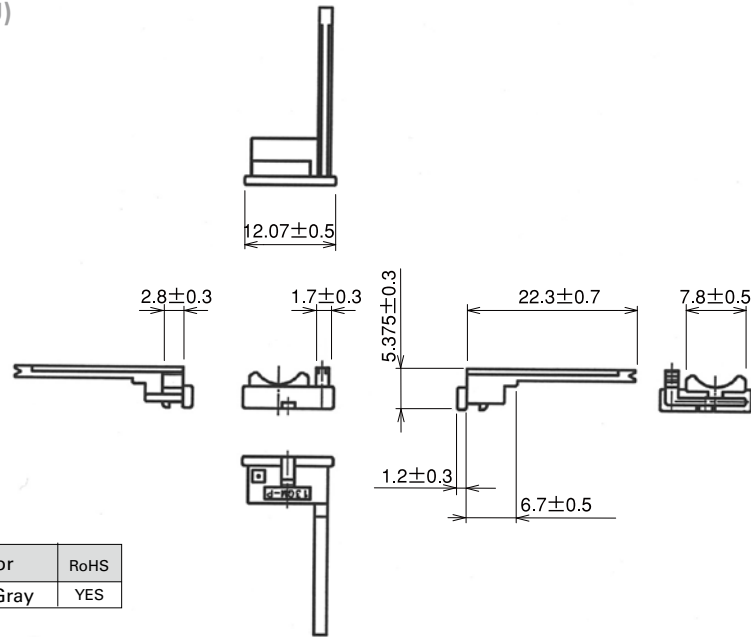
M Housing(1 Coaxial +1 Power contact)



◆ Fully mated connector assemblies

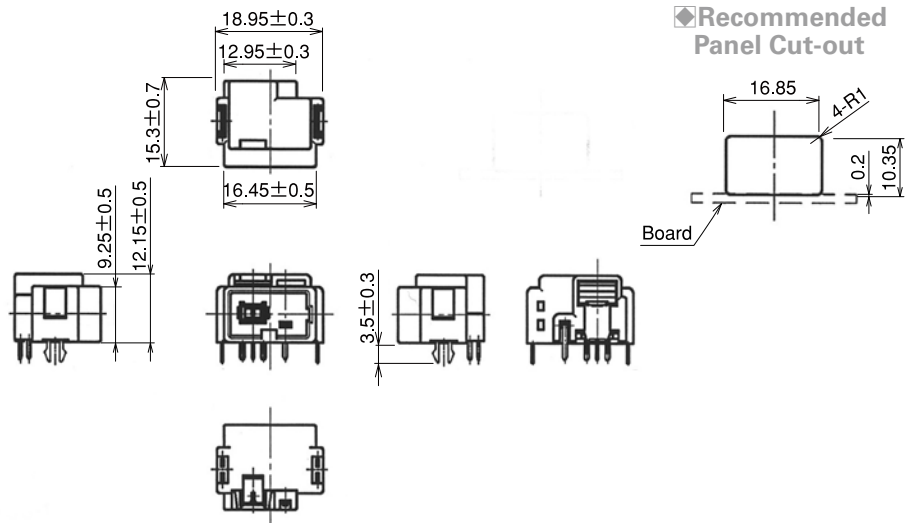
Part Number	HRS No.	Material	Color	RoHS
GT13GM-1/1PP-HU	763-0091-6	PBT	Dark Gray	YES
GT13GM-1/1PP-HU(22)	763-0091-6-22	PBT	White	YES

● Retainer (Only for GT13GM-1/1PP-HU)

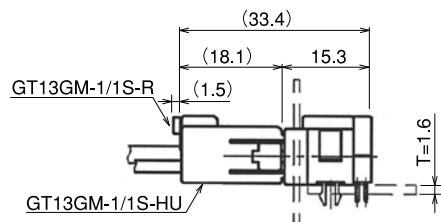


Part Number	HRS No.	Material	Color	RoHS
GT13GM-1/1P-R	763-0089-4	PBT	Dark Gray	YES

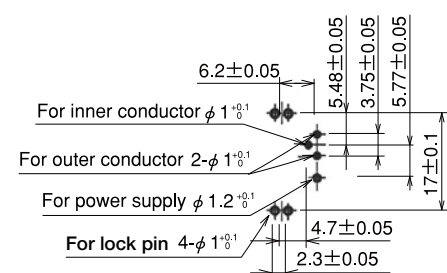
■ Printed Circuit Board Type (1 Coaxial + 1 Power contact)



◆ Fully mated connector assemblies



◆ Recommended Board Mounting Pattern



Part Number	HRS No.	Material	Color	Corresponding F connector	RoHS
GT13GM-1/1PP-DS(10)	763-0094-4-10	PBT	Light Gray	GT13G-1/1S-HU GT13GM-1/1S-HU	YES

Part	Material	Color/Finish
Housing	PBT	—
Center terminal	Copper alloy	Tin plating
Outside tube terminal	Copper alloy	Tin plating
Power terminal	Copper alloy	Tin plating
Metal bracket	Copper alloy	Tin plating

Termination Tools

User's manuals are available. Please contact a Hirose Electric account representative.

Automatic Crimping Machine



The photograph shows just one example. The product is subject to change.

Part Number CM-105

* 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.

● Special reel stand is required.

● Harness Tool

Part Number	HRS No.
AP105-GT13-2428/1.6-2.9-S	901-5073-1
AP105-GT13-2428/1.6-2.9P	901-5074-7
AP105-GT13-30/1.6-2.9S-ID	901-5099-5
AP105-GT13-30/1.6-2.9P-ID	901-5118-8
AP105-GT13-30/1.6-2.9S	901-5116-2
AP105-GT13-30/1.6-2.9P	901-5119-0

Specifications

Item	Specification	Remarks
Specification	1.5tons	
Stroke Length	30mm	
Number of strokes	200spm (50Hz)	200spm (60Hz)
Weight	75kg	
Motor	0.2kW	AC 100V
Crimping speed	2000 to 4000pcs/h	



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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