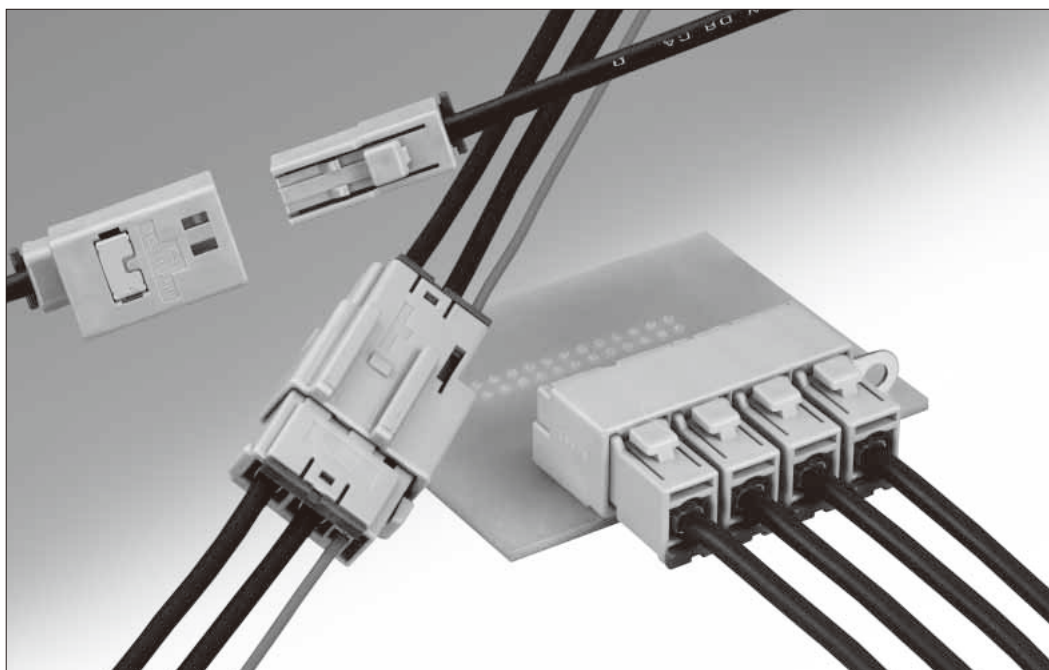


Shielded connectors using twin crimp technology for in-vehicle application

GT13 Series

— Space-saving connectors for coaxial cables —

<In-line and PCB type.>



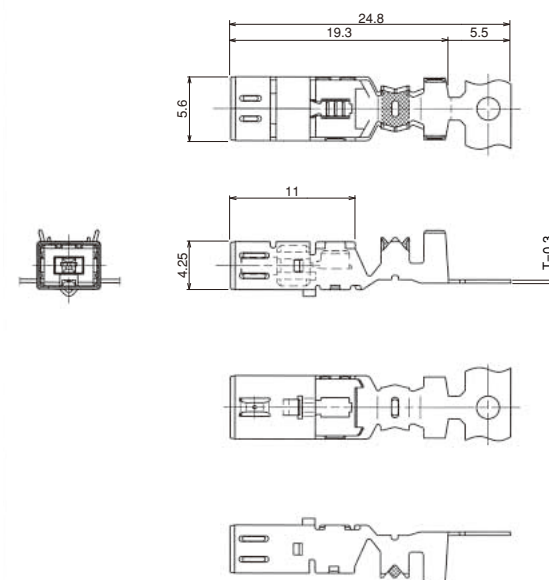
■ Features

- **Low cost cable assembly**
Highly efficient and reliable one step crimp termination allows high volume production with semi-automatic equipment.
- **Space-saving design**
Compact and light comparing to HRS GT5 series.

■ Applications

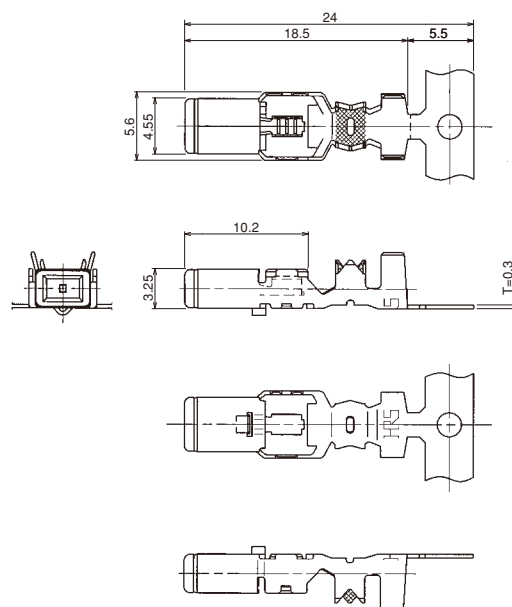
automotive audio systems.

F Terminals



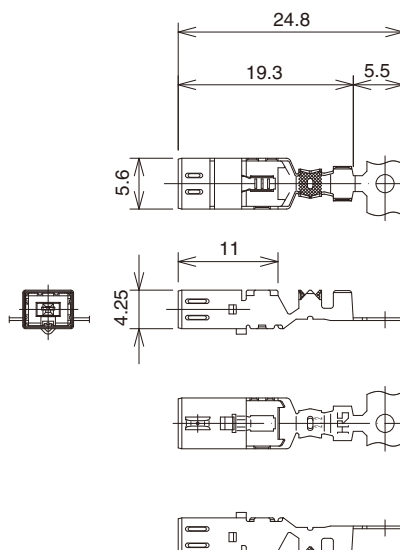
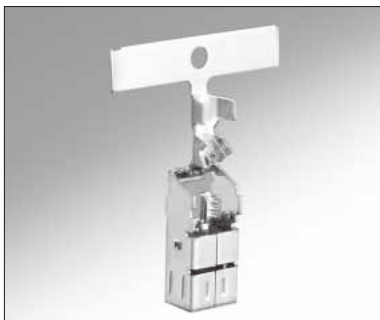
Part No.	HRS No.	Material／Plating or Color	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT13-2428/1.6-2.9SCF(70)	763-0001-3 70	Insulator : PBT／Dark Gray Center terminal : Copper alloy ／Tin plating Outer terminal : Copper alloy ／Tin plating	24 to 28 AWG	φ1.5 to 2.0	φ2.7 to 3.4	3,000 pcs /reel	YES
GT13-30/1.6-2.9SCF(70)	763-0012-0 70		30 AWG		φ2.3 to 2.7		
GT13-2428/1.6-2.5SCF(70)	763-0042-0 70		24 to 28 AWG	φ3.0 to 3.6	φ4.6 to 5.0	2,200 pcs /reel	
GT13-2428/F4-5SCF(70)	763-0051-1 70						
GT13-30/F4-5SCF(70)	763-0067-1 70		30 AWG	φ2.5 to 2.9	φ3.6 to 4.0		
GT13-30/F3.3-3.8SCF(70)	763-0052-4 70						
GT13-2022/F4-5SCF(70)	763-0068-4 70		20 to 22 AWG	φ3.0 to 3.6	φ4.6 to 5.0		

M Terminals



Part No.	HRS No.	Material／Plating or Color	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT13-2428/1.6-2.9PCF(70)	763-0002-6 70	Insulator : PBT／Dark Gray Center terminal : Copper alloy ／Tin plating Outer terminal : Copper alloy ／Tin plating	24 to 28 AWG	φ1.5 to 2.0	φ2.7 to 3.4	4,000 pcs /reel	YES
GT13-30/1.6-2.9PCF(70)	763-0041-8 70		30 AWG		φ2.3 to 2.7		
GT13-2428/1.6-2.5PCF(70)	763-0069-7 70		24 to 28 AWG	φ3.0 to 3.6	φ4.6 to 5.0	2,200 pcs /reel	
GT13-2428/F4-5PCF(70)	763-0054-0 70		30 AWG		φ3.6 to 4.0		
GT13-30/F4-5PCF(70)	763-0066-9 70		24 to 28 AWG	φ2.5 to 2.9	φ3.6 to 4.0		
GT13-30/F3.3-3.8PCF(70)	763-0053-7 70		20 to 22 AWG		φ3.0 to 3.6		
GT13-2428/F3.3-3.8PCF(70)	763-0079-0 70						
GT13-2022/F4-5PCF(70)	763-0070-6 70						

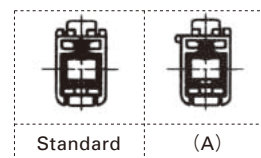
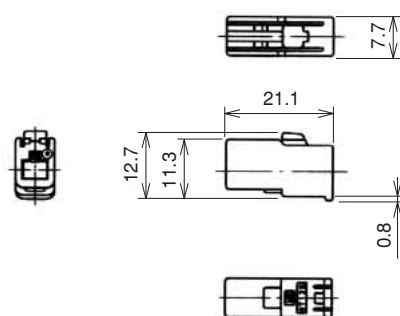
Low insertion F Terminals



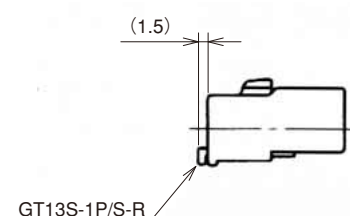
Part No.	HRS No.	Material/Plating or Color	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging	RoHS
GT13L-2428/1.1-2.2SCF	763-0115-2 00	Insulator : PBT/Dark Gray Center terminal : Copper alloy/ Tin plating Outer terminal : Copper alloy/ Tin plating	24 to 28 AWG	φ1.0 to 1.4	φ2.0 to 2.4	3,000 pcs/reel	YES

13S Series

F Housing (1 coaxial)

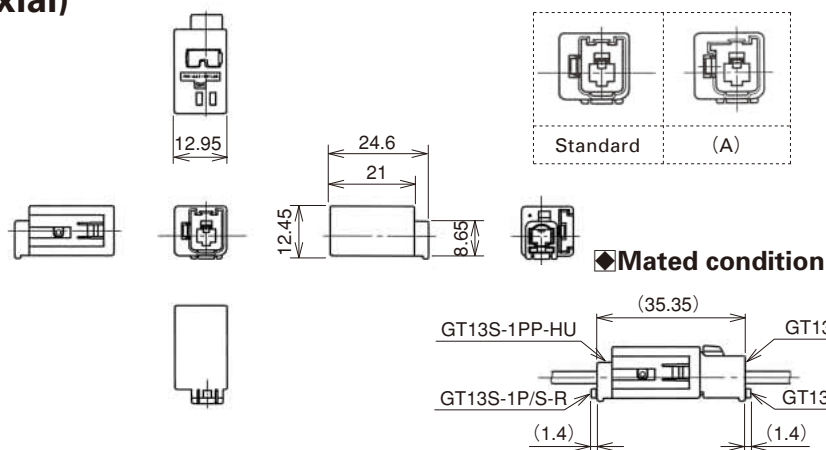


◆ Retainer assembled



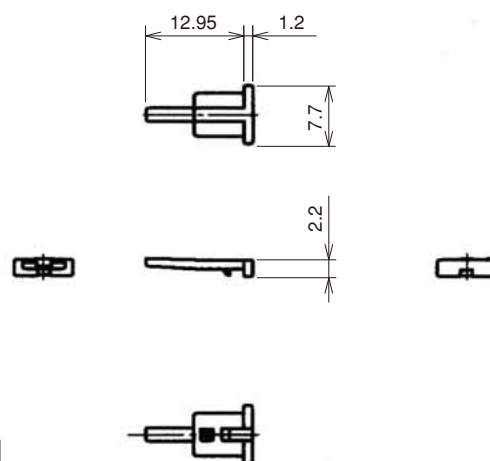
Part No.	HRS No.	Material	Color	Key polarizing code	Packaging	RoHS
GT13S-1S-HU	763-0024-9 00	PBT	Light Gray	Standard	1	YES
GT13S-1S-HU(A)	763-0025-1 00		Brown	(A)		

M Housing (1 coaxial)



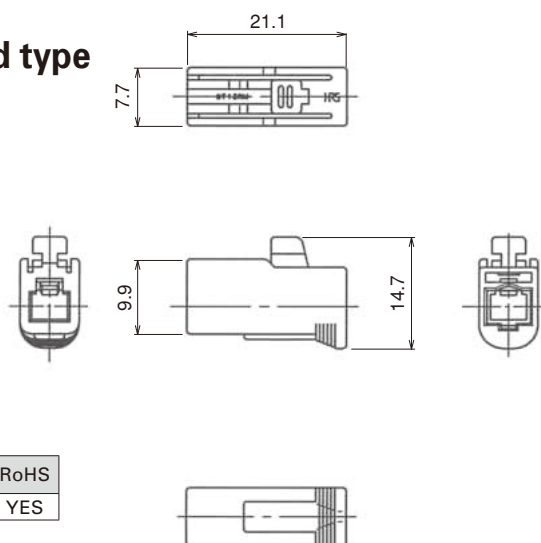
Part No.	HRS No.	Material/Plating	Color	Key polarizing code	Packaging	RoHS
GT13S-1PP-HU	763-0030-1 00	Housing : PBT	Light Gray	Standard	1	YES
GT13S-1PP-HU(A)	763-0031-4 00	Ground terminal : Copper alloy/Tin plating	Brown	(A)		

Retainer



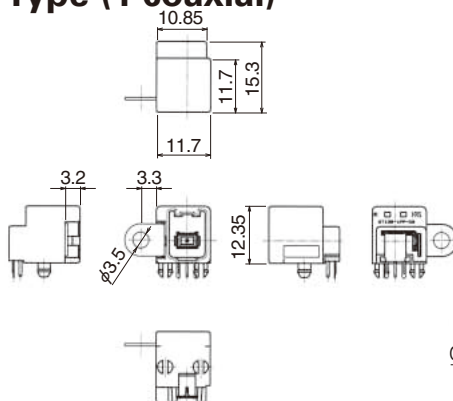
Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13S-1P/S-R	763-0033-0 00	PBT	Dark Gray	1	YES

F Housing (1 coaxial) No retainer required type

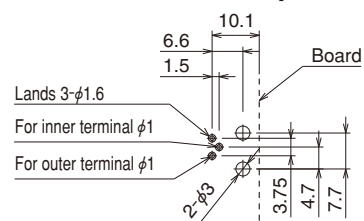


Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13RM-1S-HU	763-0099-8 00	PBT	Light Gray	1	YES

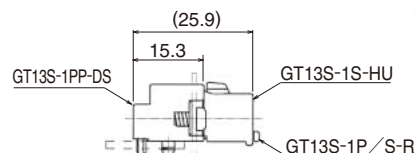
Printed Circuit Board Type (1 coaxial)



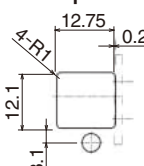
Recommended PCB pattern



Mated condition



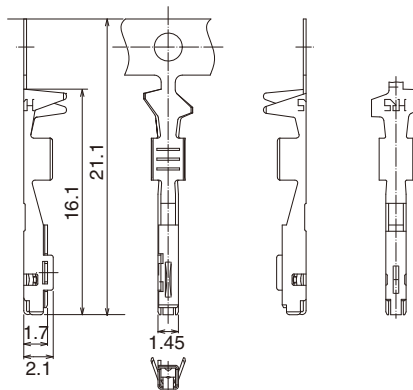
Recommended panel cutout dimension



Part No.	HRS No.	Material/Plating	Color	Key polarizing code	Packaging	RoHS
GT13S-1PP-DS	763-0027-7 00	Housing: PBT Center terminal: Copper alloy/Tin plating Outer terminal: Copper alloy/Tin plating	Light Gray	Standard	1	YES
GT13S-1PP-DS(A)	763-0028-0 00	Metal bracket: Copper alloy/Tin plating	Brown	(A)		

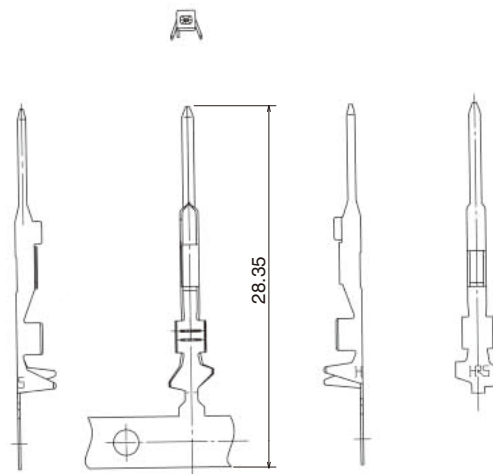
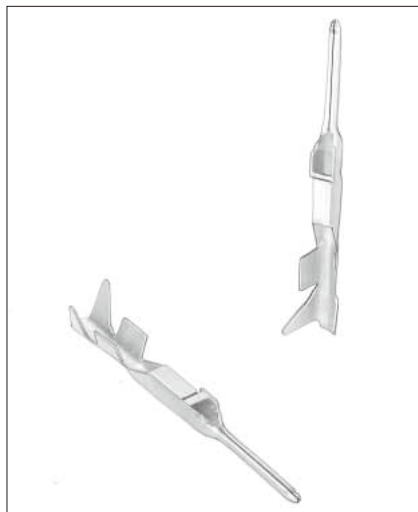
GT13SC Series

F Connector Power Supply Terminal



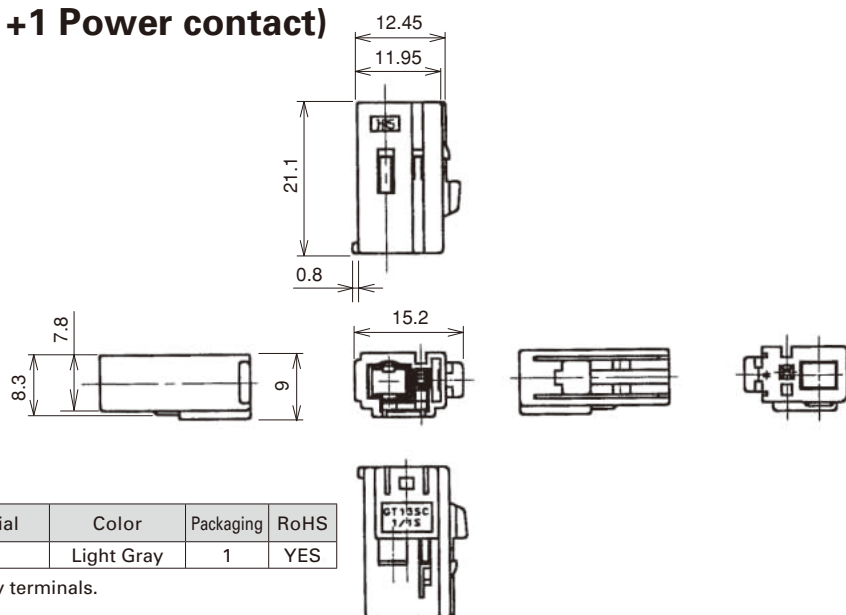
Part No.	HRS No.	Material	Plating	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT10A-2022SCF	760-0014-6	Copper alloy	Tin plating	20 to 22 AWG	φ2.0Max	8,000 pcs/reel	YES

M Connector Power Supply Terminal



Part No.	HRS No.	Material	Plating	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT10SC-2022PCF	760-0016-1 00	Copper alloy	Tin plating	20 to 22 AWG	φ1.5 to 2.0	7,000 pcs/reel	YES
GT10A-2022PCF	760-0015-9 00				φ2.0Max	10,000 pcs/reel	

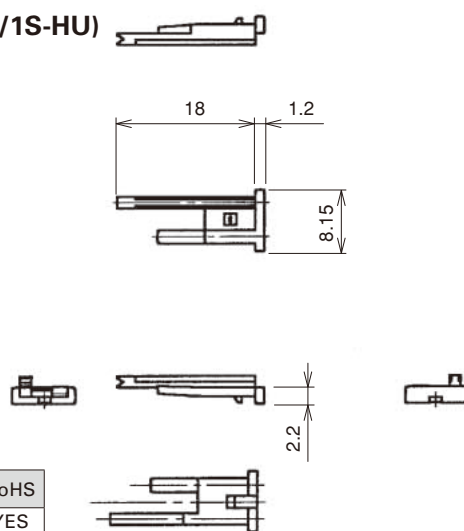
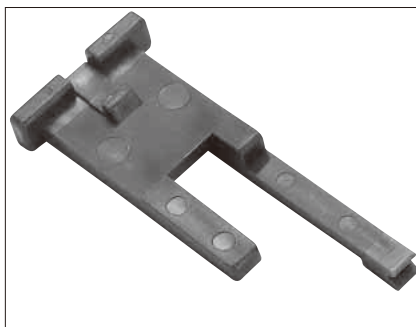
■ F Housing (1 Coaxial +1 Power contact)



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-1/1S-HU	763-0010-4 00	PBT	Light Gray	1	YES

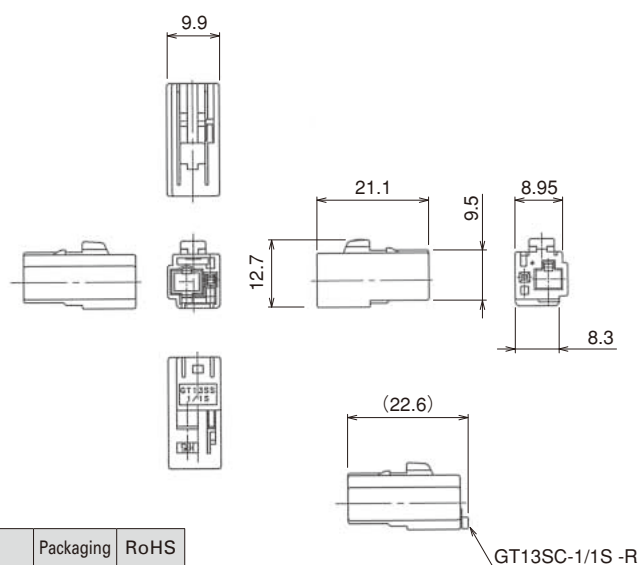
Note : GT10A-2022SCF is used for power supply terminals.

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



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-1/1S-R	763-0011-7 00	PBT	Dark Gray	1	YES

■ F Housing (1 Coaxial + 1 Power contact)

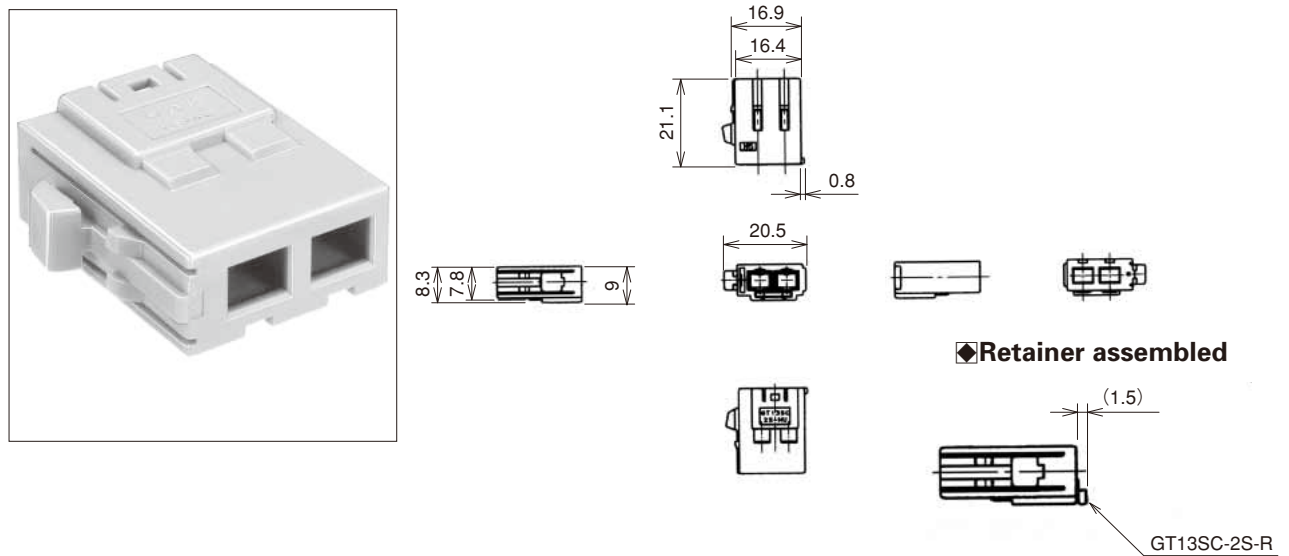


Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SS-1/1S-HU	763-0093-1 00	PBT	Light Gray	1	YES

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

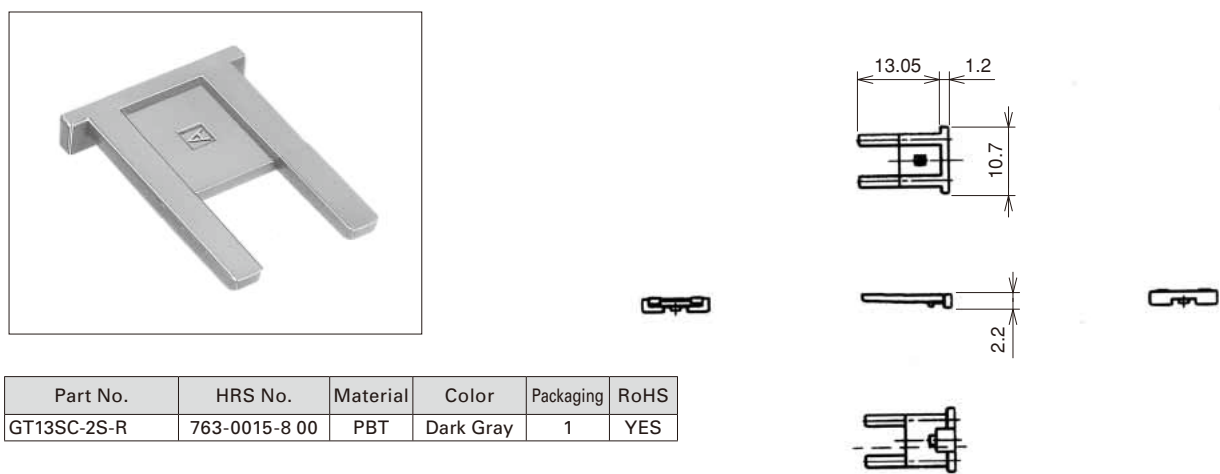
◆ Retainer assembled

F Housing (2 coaxials)



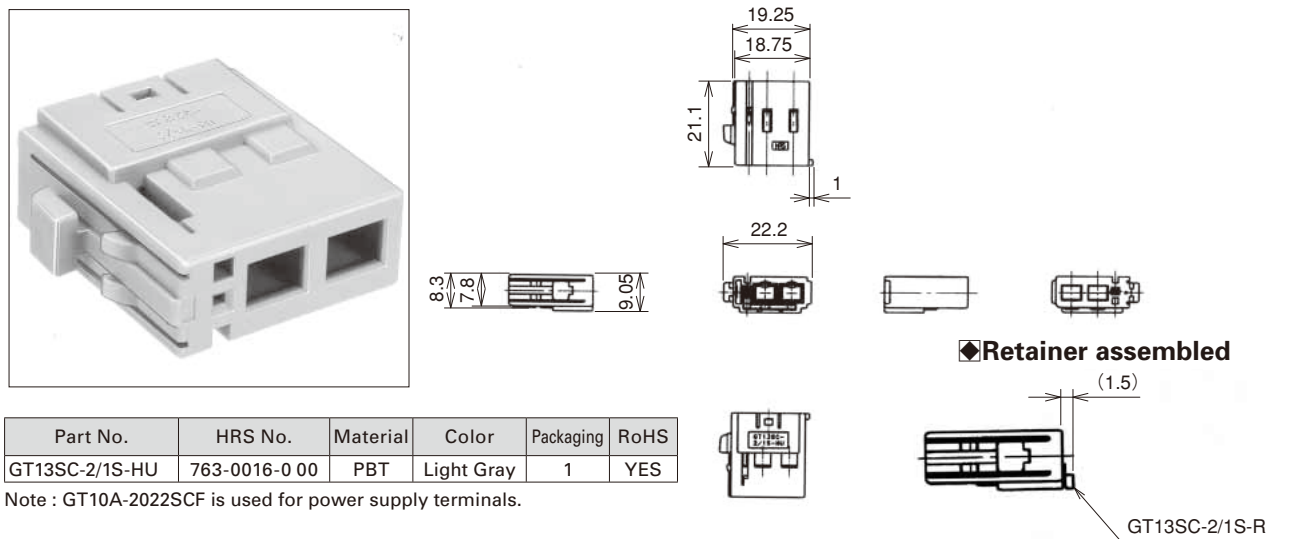
Part No.	HRS No.	Material	Color	Key polarizing code	Packaging	RoHS
GT13SC-2S-HU	763-0014-5 00	PBT	Light Gray	Standard	1	YES

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



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-2S-R	763-0015-8 00	PBT	Dark Gray	1	YES

F Housing (2 Coaxials + 1 Power contact)

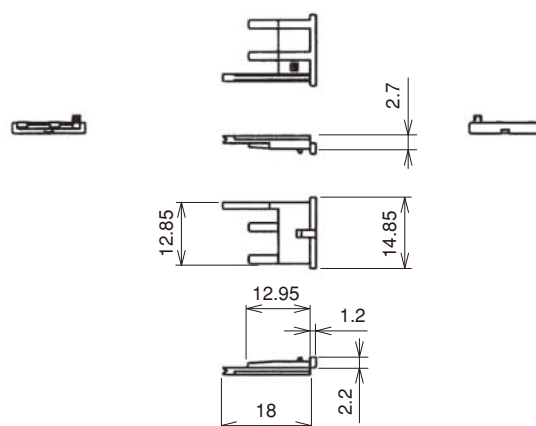


Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-2/1S-HU	763-0016-0 00	PBT	Light Gray	1	YES

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

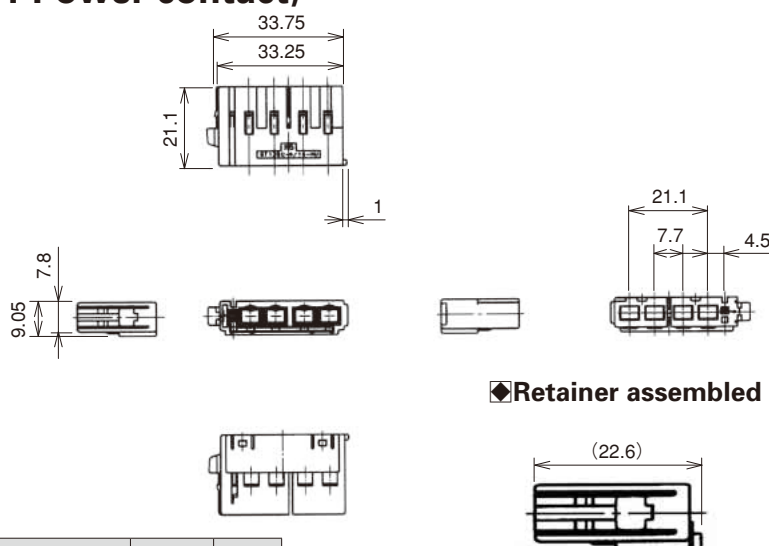
GT5	For Antenna
GT13	
GT16	
PO5G	
GT19	
GT21	
GT26	
GT36	
GT11	
GT17	
GT32	
GT3	
GT7	
GT10	
GT18W	
GT25	
GT8E	
GT9	
GT15	

● Retainer (Only for GT13SC-2/1S-HU)



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-2/1S-R	763-0017-3 00	PBT	Dark Gray	1	YES

■ F Housing (4 Coaxials + 1 Power contact)

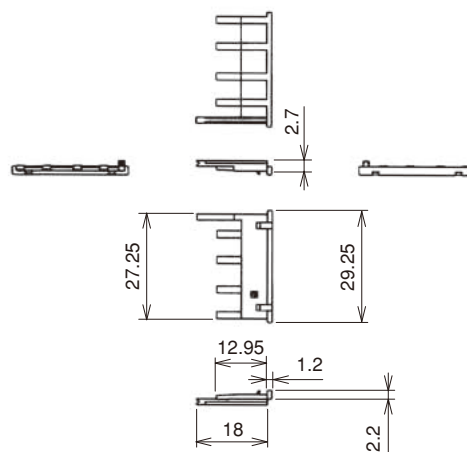
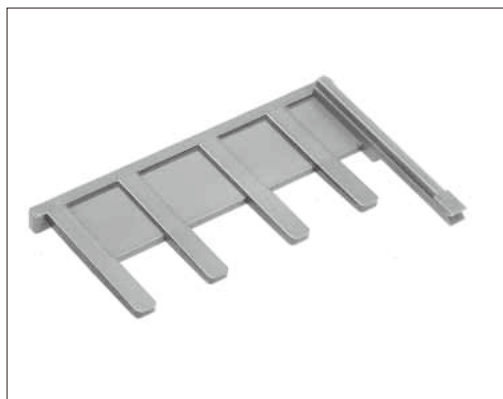


◆ Retainer assembled

Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-4/1S-HU	763-0021-0 00	PBT	Light Gray	1	YES
GT13SC-4/1S-HU(A)	763-0022-3 00		Brown		

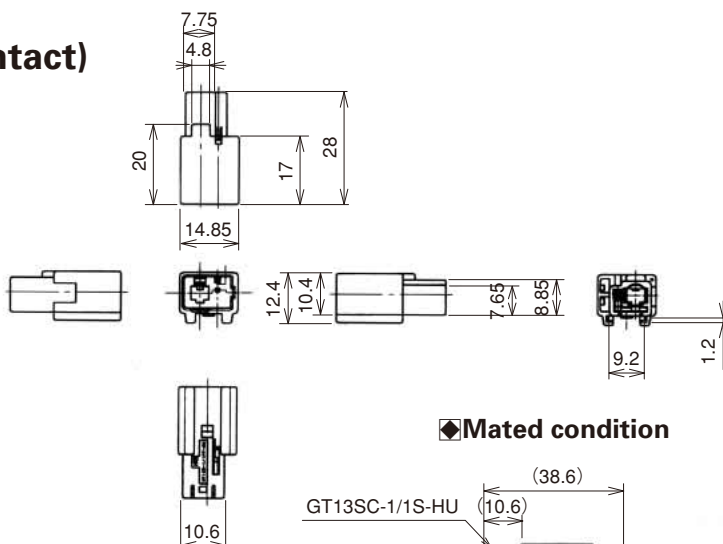
Note : GT10A-2022SCF is used for power supply terminals.

● Retainer (Only for GT13SC-4/1S-R)



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-4/1S-R	763-0023-6 00	PBT	Dark Gray	1	YES

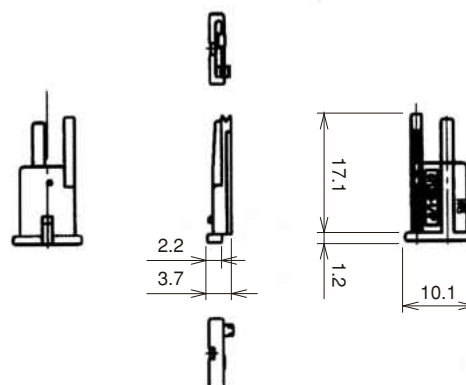
■ M Housing (1 Coaxial + 1 Power contact)



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SCN-1/1PP-HU	763-0036-8 00	PBT	Light Gray	1	YES

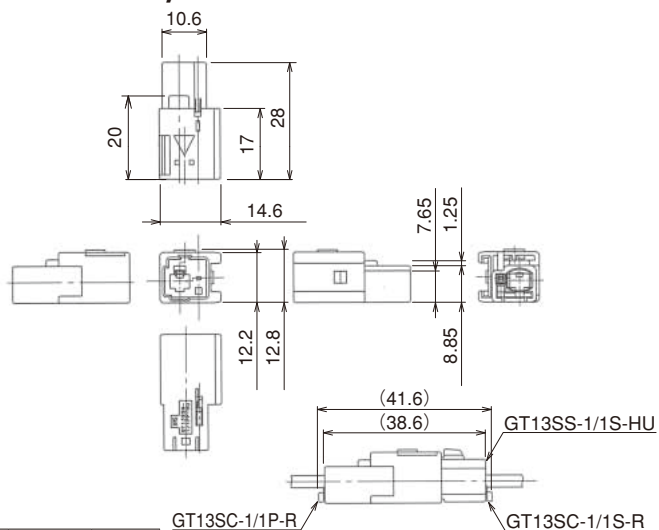
Note : GT10SC-2022PCF or GT10A-2022PCF is used for power supply terminals.

● Retainer



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-1/1P-R	763-0039-6 00	PBT	Dark Gray	1	YES

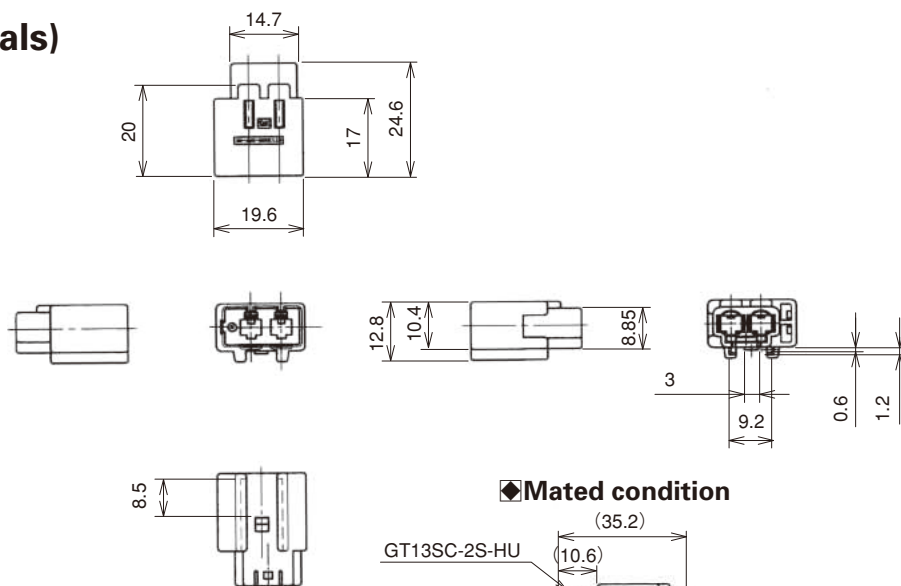
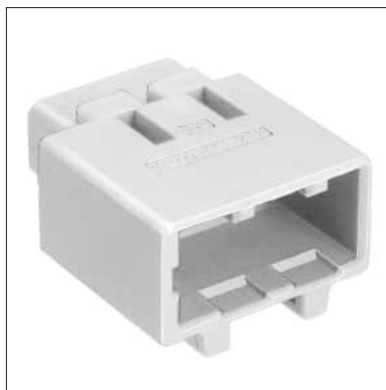
■ M Housing (1 Coaxial + 1 Power contact)



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SSN-1/1PP-HU	763-0092-9 00	PBT	Light Gray	1	YES

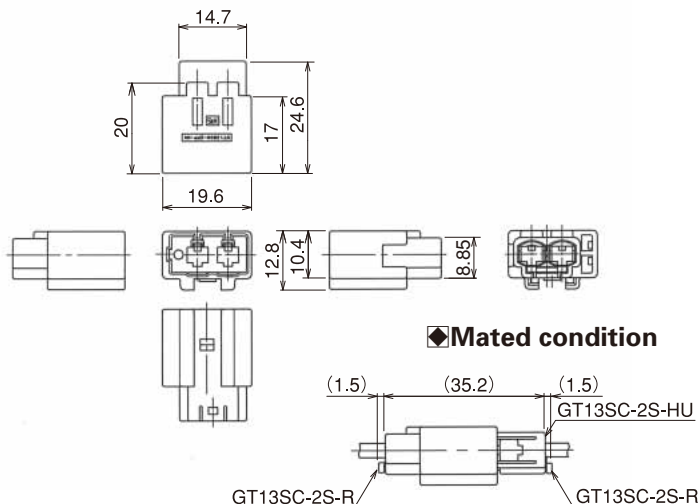
Note : GT10SC-2022PCF or GT10A-2022PCF is used for power supply terminals.

■ M Housing (2 coaxials)



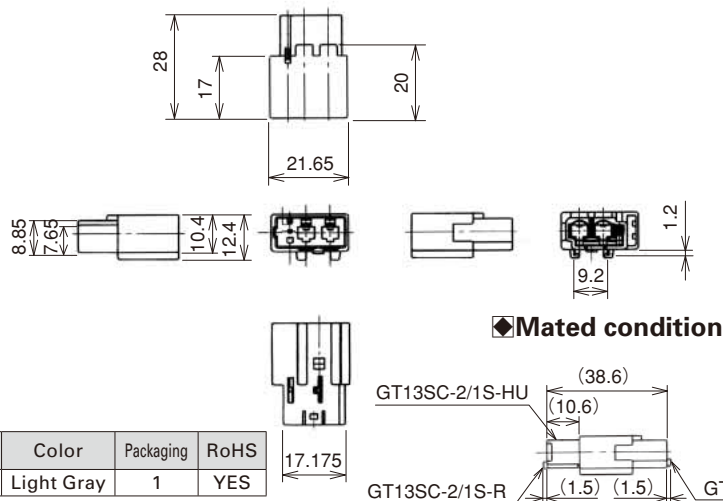
Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SCN-2PP-HU	763-0046-1 00	PBT	Light Gray	1	YES

■ M Housing (2 coaxials)



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SCH-2PP-HU	763-0072-1 00	PBT	Light Gray	1	YES

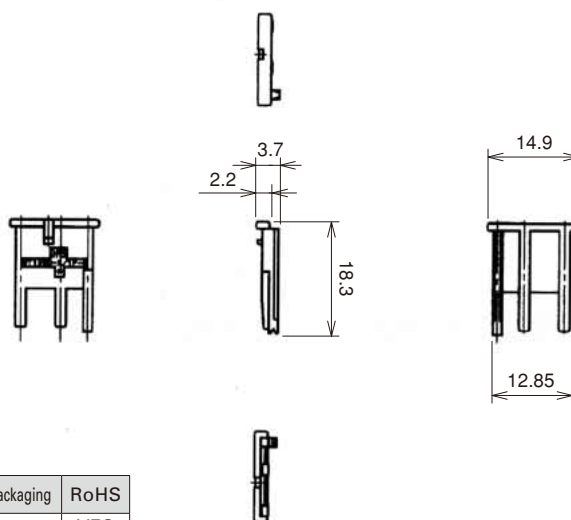
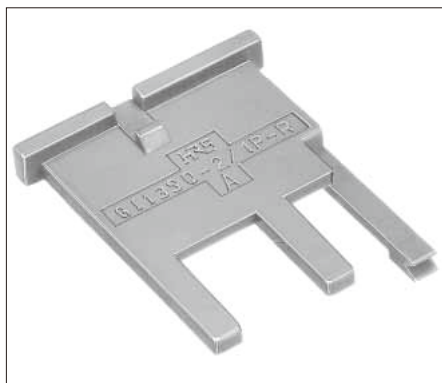
■ M Housing (2 Coaxials + 1 Power contact)



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SCN-2/1PP-HU	763-0038-3 00	PBT	Light Gray	1	YES

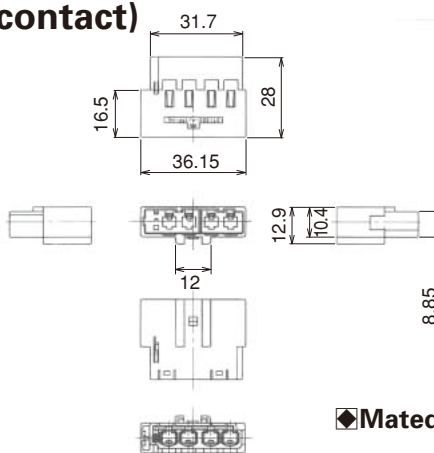
Note : GT10SC-2022PCF or GT10A-2022PCF is used for power supply terminals.

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

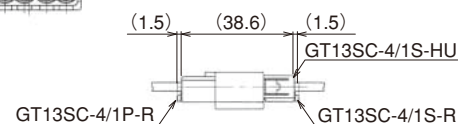


Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-2/1PP-R	763-0040-5 00	PBT	Dark Gray	1	YES

■ M Housing (4 Coaxials + 1 Power contact)



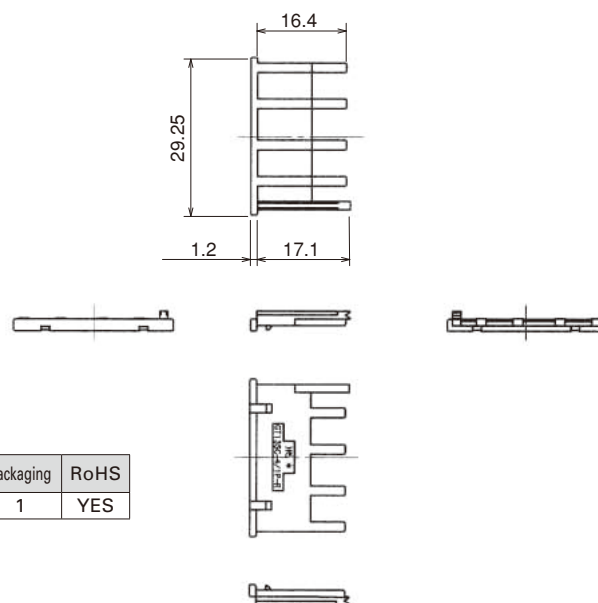
◆ Mated condition



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SCH-4/1PP-HU	763-0060-2 00	PBT	Light Gray	1	YES

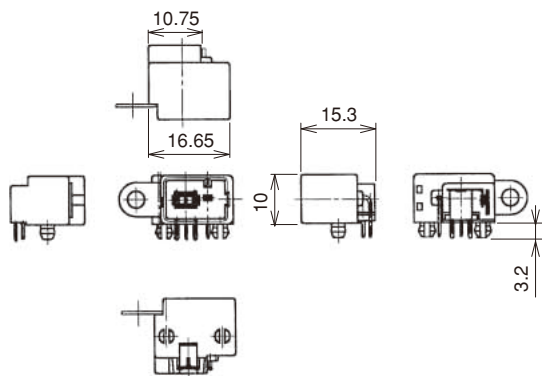
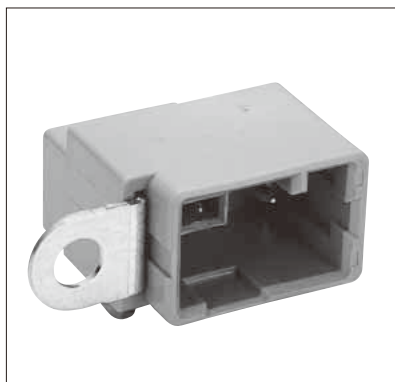
Note : GT10SC-2022PCF or GT10A-2022PCF is used for power supply terminals.

● Retainer

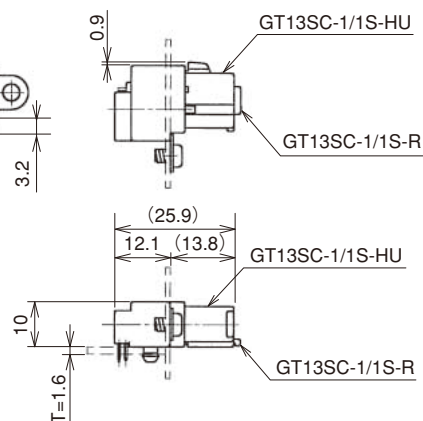


Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SC-4/1P-R	763-0061-5 00	PBT	Dark Gray	1	YES

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

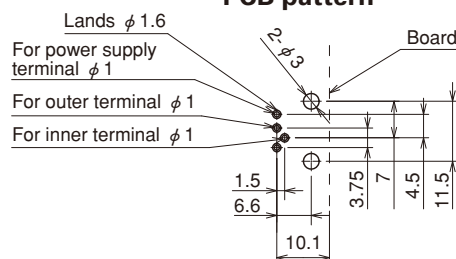


◆ Mated condition

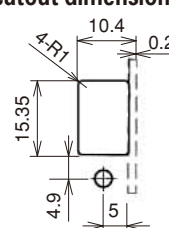


Part No.	HRS No.	Material/Plating or Color	Packaging	RoHS
GT13SC-1/1PP-DS(70)	763-0009-5 70	Housing: PBT/Light Gray Center terminal: Copper alloy/Tin plating Outer terminal: Copper alloy/Tin plating Power terminal: Copper alloy/Tin plating Metal bracket: Copper alloy/Tin plating	1	YES

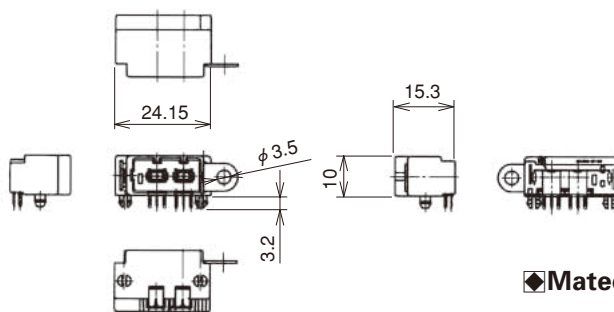
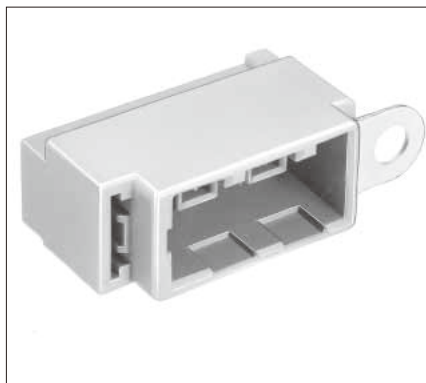
◆ Recommended PCB pattern



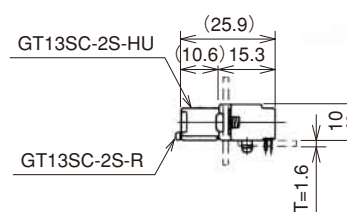
◆ Recommended panel cutout dimension



Printed Circuit Board Type (2 Coaxials)

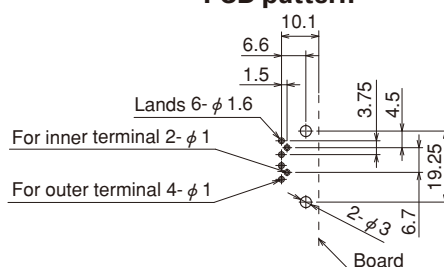


◆ Mated condition

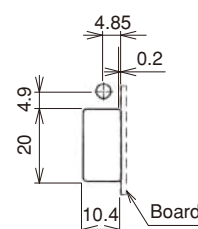


Part No.	HRS No.	Material	Color	Key polarizing code	Packaging	RoHS
GT13SC-2PP-DS	763-0013-2	Housing: PBT Center terminal: Copper alloy/Tin plating Outer terminal: Copper alloy/Tin plating Metal bracket: Copper alloy/Tin plating	Light Gray	Standard	1	YES

◆ Recommended PCB pattern



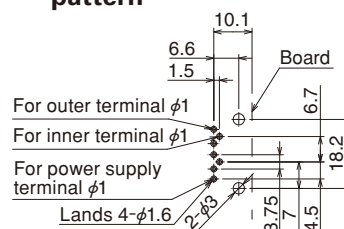
◆ Recommended panel cutout dimension



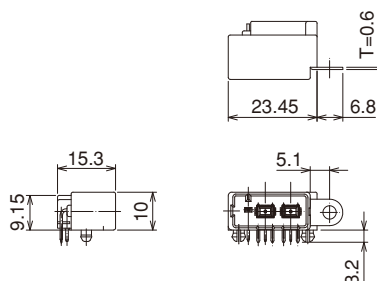
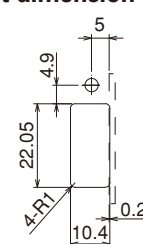
Printed Circuit Board Type (2 Coaxials + 1 Power contact)



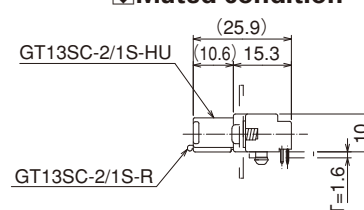
Recommended PCB pattern



Recommended panel cutout dimension

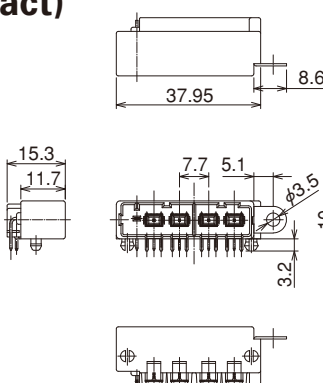
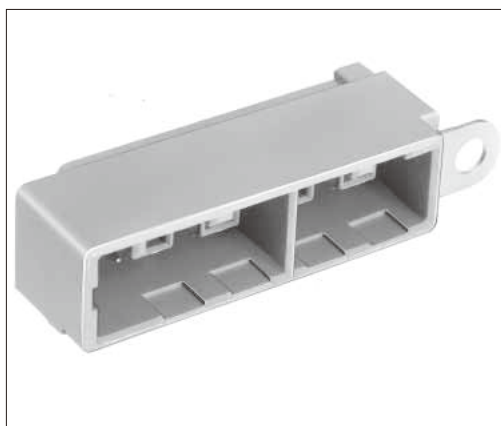


Mated condition

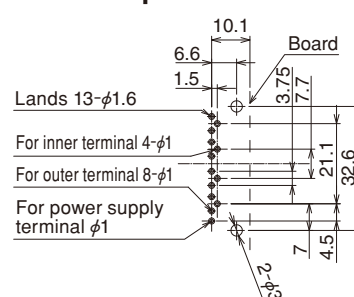


Part No.	HRS No.	Material/Plating or Color	Packaging	RoHS
GT13SC-2/1PP-DS(70)	763-0018-6 70	Housing : PBT/Light Gray Center terminal : Copper alloy/Tin plating Outer terminal : Copper alloy/Tin plating Power terminal : Copper alloy/Tin plating Metal bracket : Copper alloy/Tin plating	1	YES

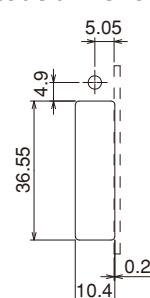
Printed Circuit Board Type (4 Coaxials + 1 Power contact)



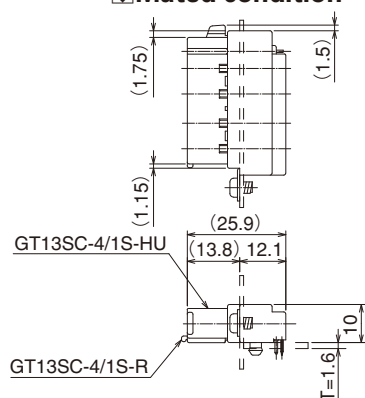
Recommended PCB pattern



Recommended panel cutout dimension



Mated condition

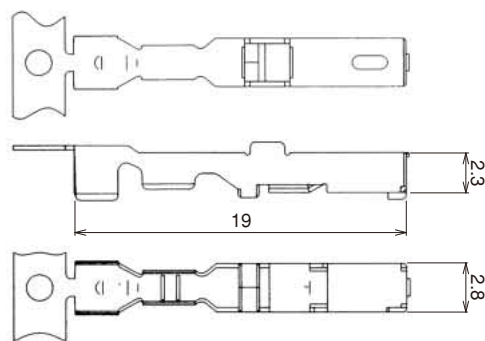


Part No.	HRS No.	Material	Color	Key polarizing code	Packaging	RoHS
GT13SC-4/1PP-DS(70)	763-0019-9 70	Housing : PBT Center terminal : Copper alloy/Tin plating Outer terminal : Copper alloy/Tin plating Power terminal : Copper alloy/Tin plating Metal bracket : Copper alloy/Tin plating	Light Gray	Standard	1	YES
GT13SC-4/1PP-DS(A)(70)	763-0020-8 70		Brown	(A)		

GT13SH Series

Power Supply Terminals

■ F Connector Terminals

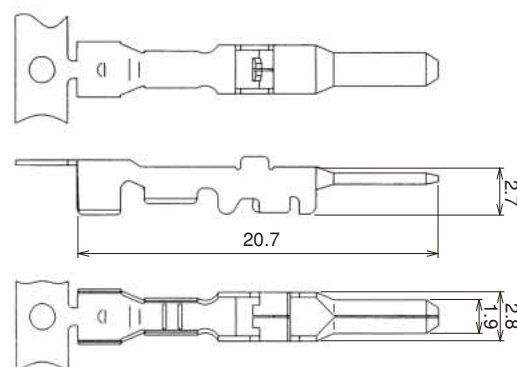


Part No.	HRS No.	Material	Plating	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT7-2022SCF(70)	757-0001-1 70	Copper alloy	Tin plating	20 to 22 AWG	φ1.4 to 2.4	5,000 pcs/reel	YES
GT7A-2022SCF(70)	757-0003-7 70				φ2.6 to 3.1	3,000 pcs/reel	

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

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

■ Terminals for M Connector

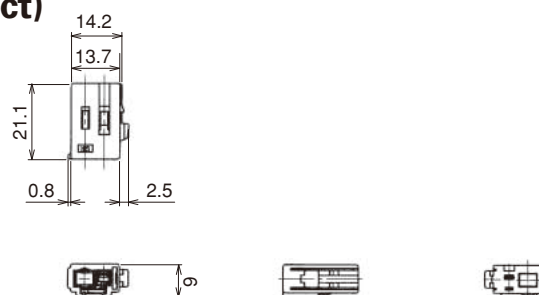


Part No.	HRS No.	Material	Plating	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT7-2022PCF(70)	757-0002-4 70	Brass	Tin plating	20 to 22 AWG	φ1.4 to 2.4	5,000 pcs/reel	YES
GT7A-2022PCF(70)	757-0004-0 70				φ2.6 to 3.1	3,000 pcs/reel	

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

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

■ F Housing (1 Coaxial + 1 Power contact)

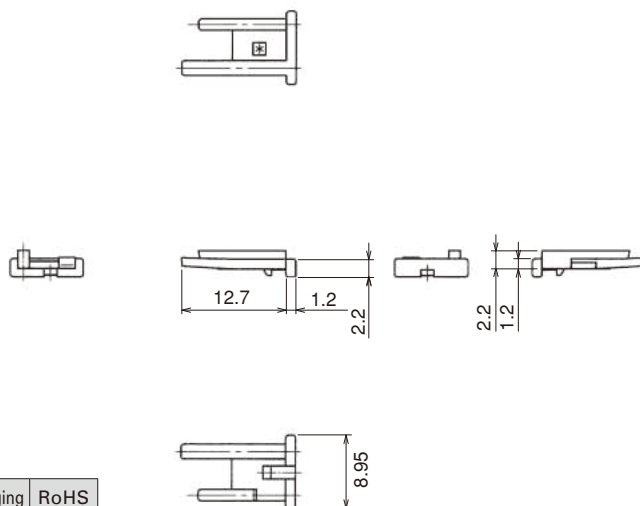


Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SH-1/1S-HU	763-0048-7 00	PBT	Light Gray	1	YES
GT13SH-1/1S-HU(A)	763-0059-3 00		Brown		

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

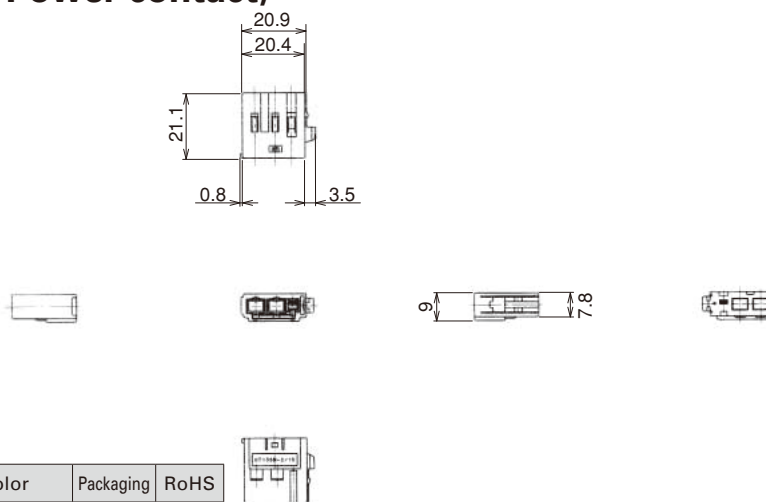


● Retainer



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SH-1/1S-R	763-0049-0 00	PBT	Dark Gray	1	YES

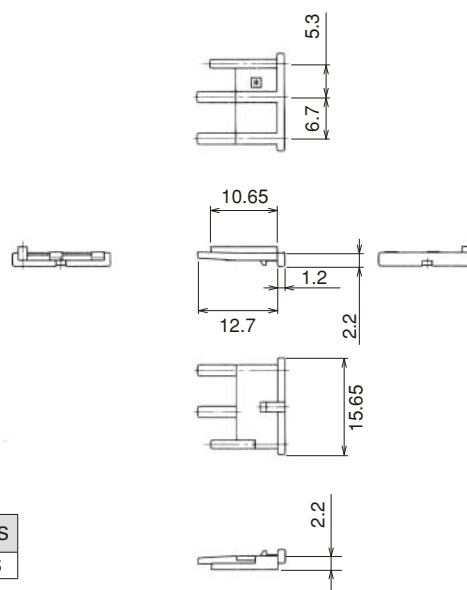
■ F Housing (2 Coaxials + 1 Power contact)



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SH-2/1S-HU	763-0065-6 00	PBT	Light Gray	1	YES

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

● Retainer

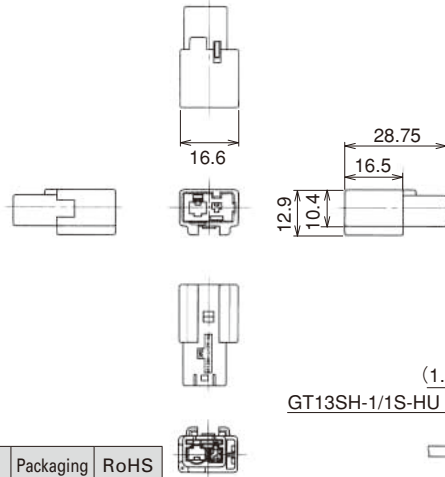


Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SH-2/1S-R	763-0064-3 00	PBT	Dark Gray	1	YES

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

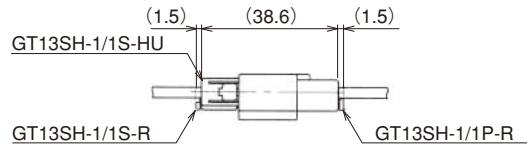
M Housing (1 Coaxial + 1 Power contact)



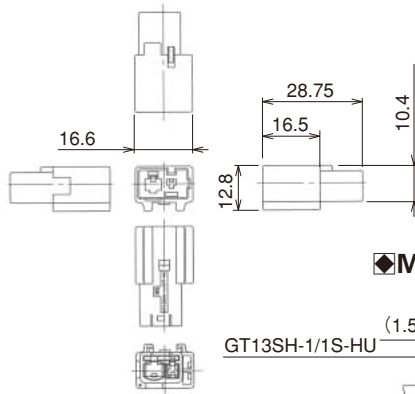
Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SH-1/1PP-HU	763-0055-2 00	PBT	Light Gray	1	YES

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

Mated condition



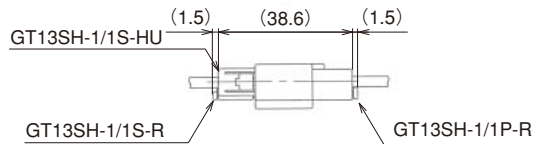
M Housing (1 Coaxial + 1 Power contact)



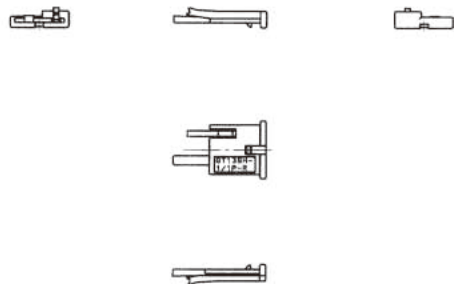
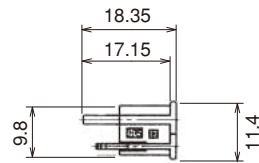
Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SHN-1/1PP-HU	763-0078-8 00	PBT	Light Gray	1	YES

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

Mated condition

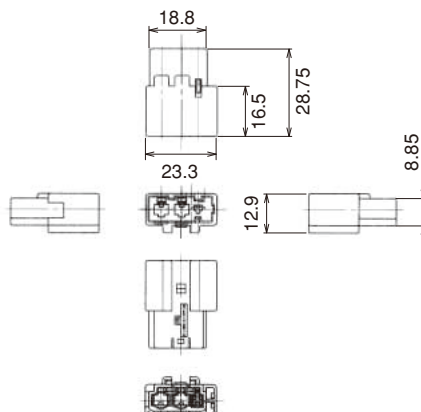


Retainer

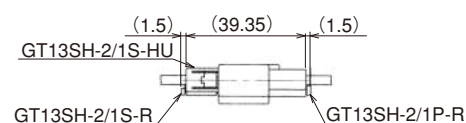


Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SH-1/1P-R	763-0056-5 00	PBT	Dark Gray	1	YES

■ M Housing (2 Coaxials + 1 Power contact)



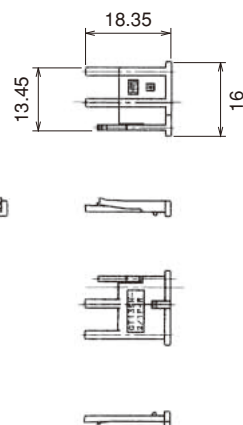
◆ Mated condition



Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SH-2/1PP-HU	763-0076-2 00	PBT	Light Gray	1	YES

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

● Retainer

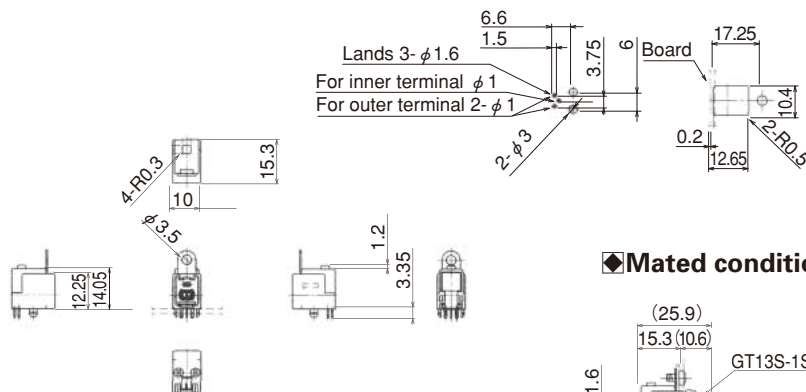


Part No.	HRS No.	Material	Color	Packaging	RoHS
GT13SH-2/1P-R	763-0077-5 00	PBT	Dark Gray	1	YES

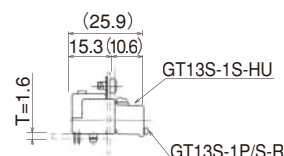
■ Printed Circuit Board Type (1 Coaxial)

◆ Recommended PCB pattern

◆ Recommended panel cutout dimension



◆ Mated condition



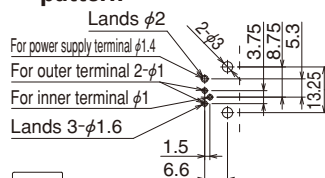
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT13SHA-1PP-DS	763-0062-8 00	Housing : PBT / Light Gray Center terminal : Copper alloy / Tin plating Outer terminal : Copper alloy / Tin plating Metal bracket : Copper alloy / Tin plating	1	YES

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

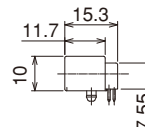
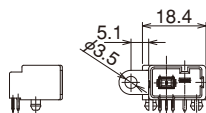
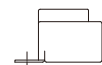
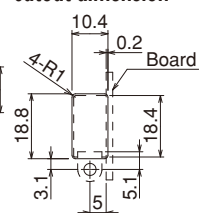


Part No.	HRS No.	Material/Plating or Color	Packaging	RoHS
GT13SH-1/1PP-DS	763-0050-9 00	Housing : PBT/Light Gray Center terminal : Copper alloy/Tin plating Outer terminal : Copper alloy/Tin plating Power terminal : Copper alloy/Tin plating Metal bracket : Copper alloy/Tin plating	1	YES

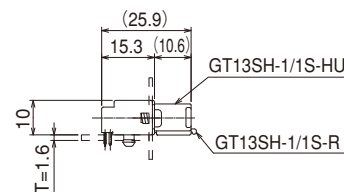
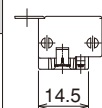
Recommended PCB pattern



Recommended panel cutout dimension



Mated condition

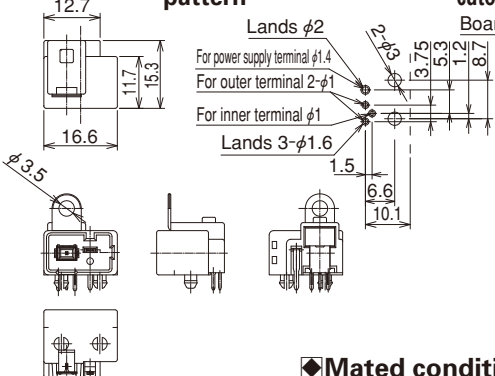


Printed Circuit Board Type (1 Coaxial + 1 Power contact)

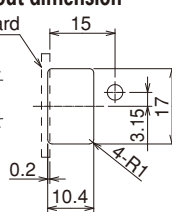


Part No.	HRS No.	Material/Plating	Color	Packaging	RoHS
GT13SHA-1/1PP-DS	763-0057-8 00	Housing : PBT Center terminal : Copper alloy/Tin plating Outer terminal : Copper alloy/Tin plating Power terminal : Copper alloy/Tin plating Metal bracket : Copper alloy/Tin plating	Light Gray	1	YES

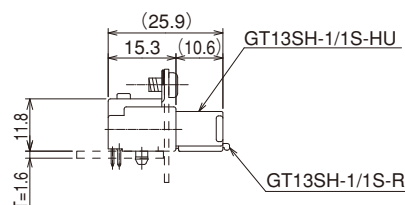
Recommended PCB pattern



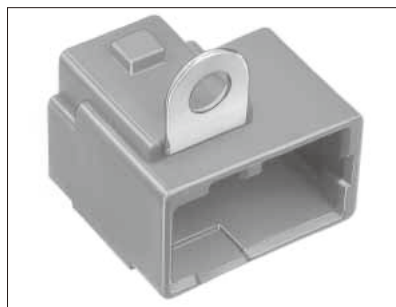
Recommended panel cutout dimension



Mated condition

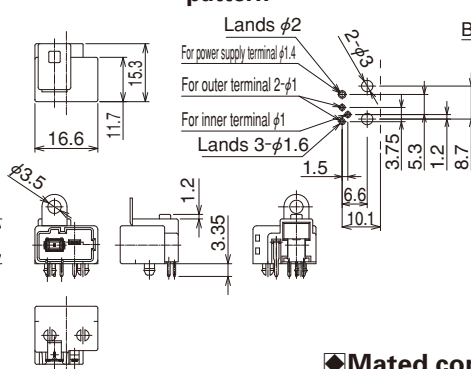


Printed Circuit Board Type (1 Coaxial + 1 Power contact)

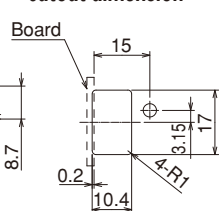


Part No.	HRS No.	Material/Plating	Color	Packaging	RoHS
GT13SHA-1/1PP-DS(A)	763-0058-0 00	Housing : PBT Center terminal : Copper alloy/Tin plating Outer terminal : Copper alloy/Tin plating Power terminal : Copper alloy/Tin plating Metal bracket : Copper alloy/Tin plating	Brown	1	YES

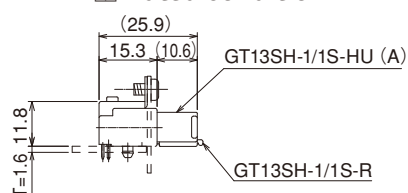
Recommended PCB pattern



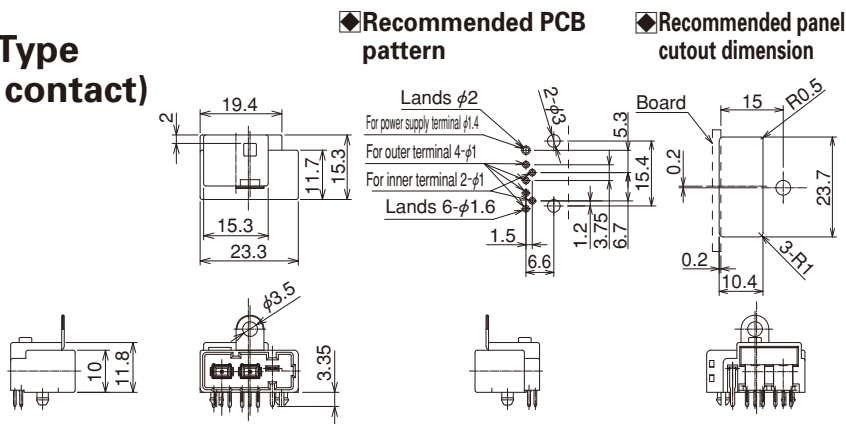
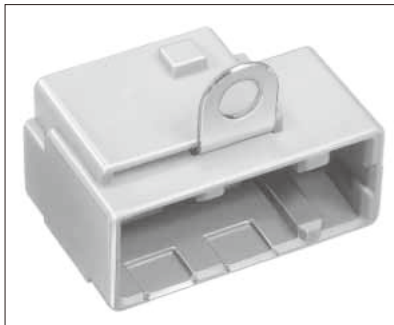
Recommended panel cutout dimension



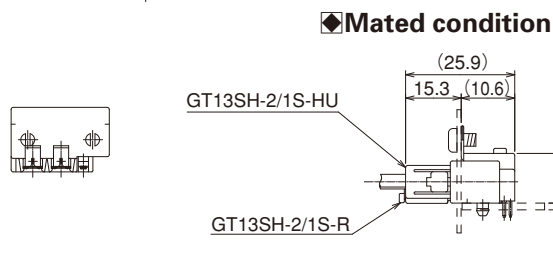
Mated condition



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



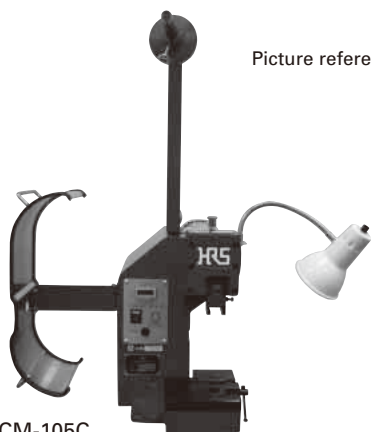
Part No.	HRS No.	Material / Plating or Color	Packaging	RoHS
GT13SHA-2/1PP-DS	763-0063-0	Housing: PBT / Light Gray Center terminal: Copper alloy / Tin plating Outer terminal: Copper alloy / Tin plating Power terminal: Copper alloy / Tin plating Metal bracket: Copper alloy / Tin plating	1	YES



◆ Crimping tools

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

Automatic Crimping Machine



Picture reference only

Part No. CM-105C

Specifications

Item	Specification	Remarks
Press capacity	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	

* 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 tools

Terminal Product No.	Terminal HRS No.	Tool No.	Tool HRS No.
GT13-2428/1.6-2.9SCF(70)	763-0001-3 70	AP105-GT13-2428/1.6-2.9S	901-5073-1
GT13-2428/1.6-2.9PCF(70)	763-0002-6 70	AP105-GT13-2428/1.6-2.9P	901-5074-7
GT13-30/1.6-2.9SCF(70)	763-0012-0 70	AP105-GT13-30/1.6-2.9S-ID	901-5099-5
GT13-30/1.6-2.9PCF(70)	763-0041-8 70	AP105-GT13-30/1.6-2.9P-ID	901-5118-8
GT13-30/1.6-2.9SCF(70)	763-0012-0 70	AP105-GT13-30/1.6-2.9S	901-5116-2
GT13-30/1.6-2.9PCF(70)	763-0041-8 70	AP105-GT13-30/1.6-2.9P	901-5119-0