

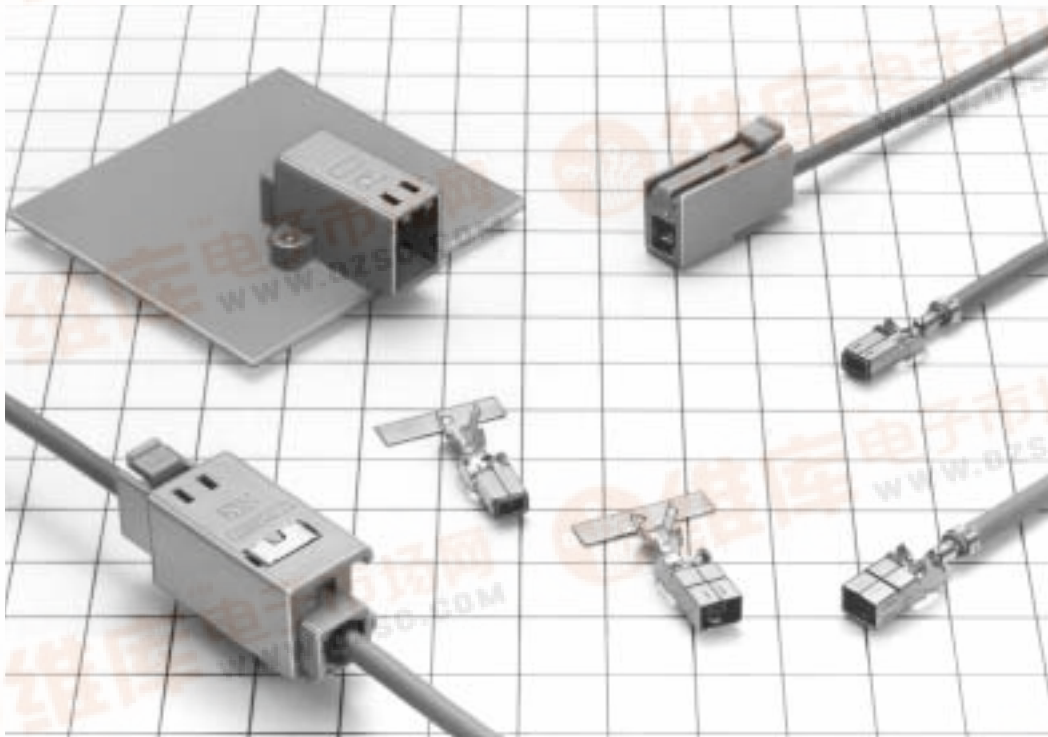
Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

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

GT13 Series

— Connectors for coaxial cables —

<Several types and configurations: In-line, board mounted, combinations of coaxial cable with signal/power. Multi-position.>



Features

- **Cost efficient termination**

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

- **Space-saving Design**

- **Lock-release latching system**

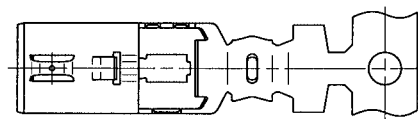
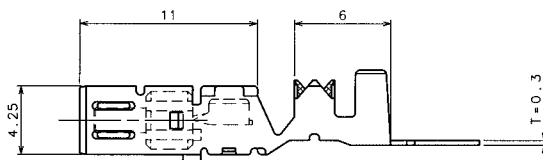
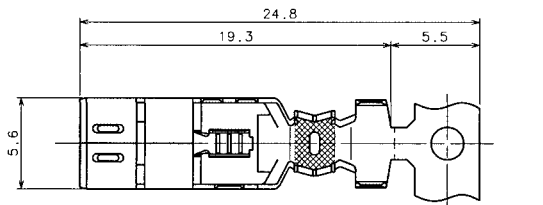
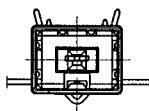
- **Shock / vibration resistant electrical connections**

- **Verification of the full contact insertion**

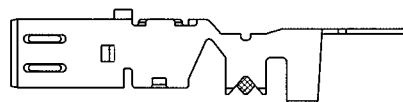
Applications

In-car communication, car sensors (temperature, pressure), automotive audio systems, GPS antenna systems, RACS antenna audio/video antenna systems, CRT displays, medical and measuring instrumentation, variety of communication equipment, office automation equipment, LAN systems.

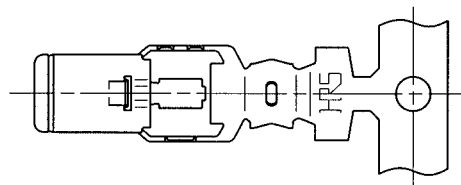
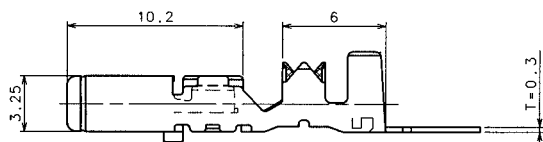
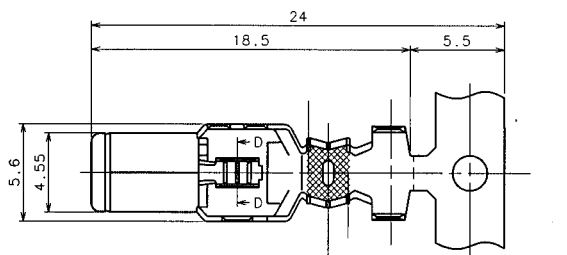
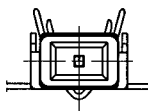
F Terminals



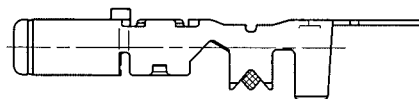
Part Number	CL No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging
GT13-2428/1.6-2.9SCF	763-0001-3	AWG #24 to 28 or equivalent	1.5 to 2.0	1.6 to 3.4	3,000 pieces per reel
GT13-30/1.6-2.9SCF	763-0012-0	AWG #30 or equivalent			



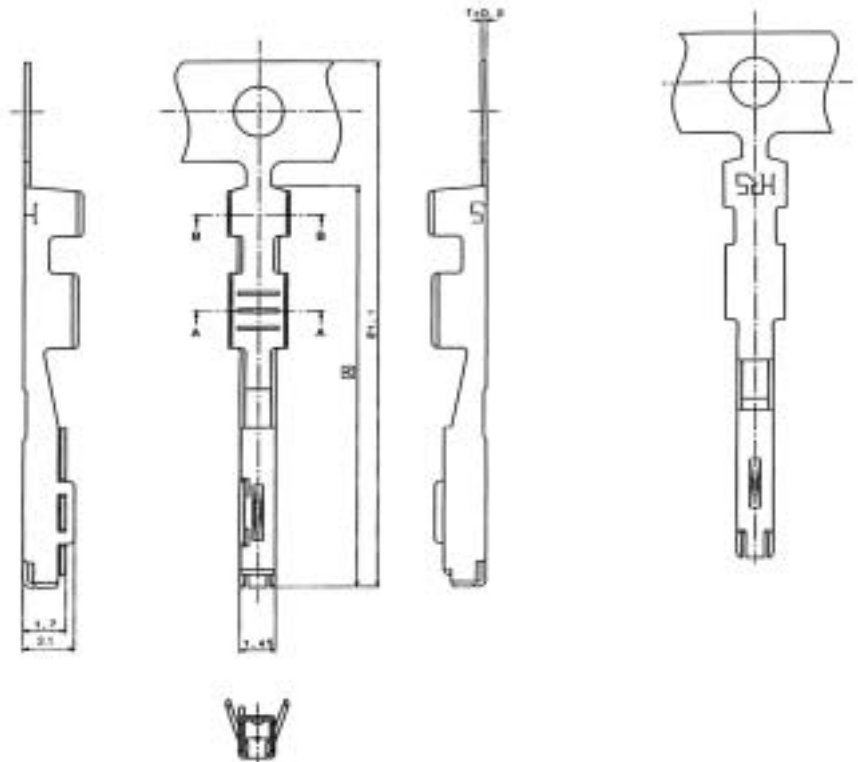
M Terminals



Part Number	CL No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging
GT13-2428/1.6-2.9PCF	763-0002-6	AWG #24 to 28 or equivalent	1.5 to 2.0	1.6 to 3.4	4,000 pieces per reel
GT13-30/1.6-2.9PCF	763-0041-8	AWG #30 or equivalent			

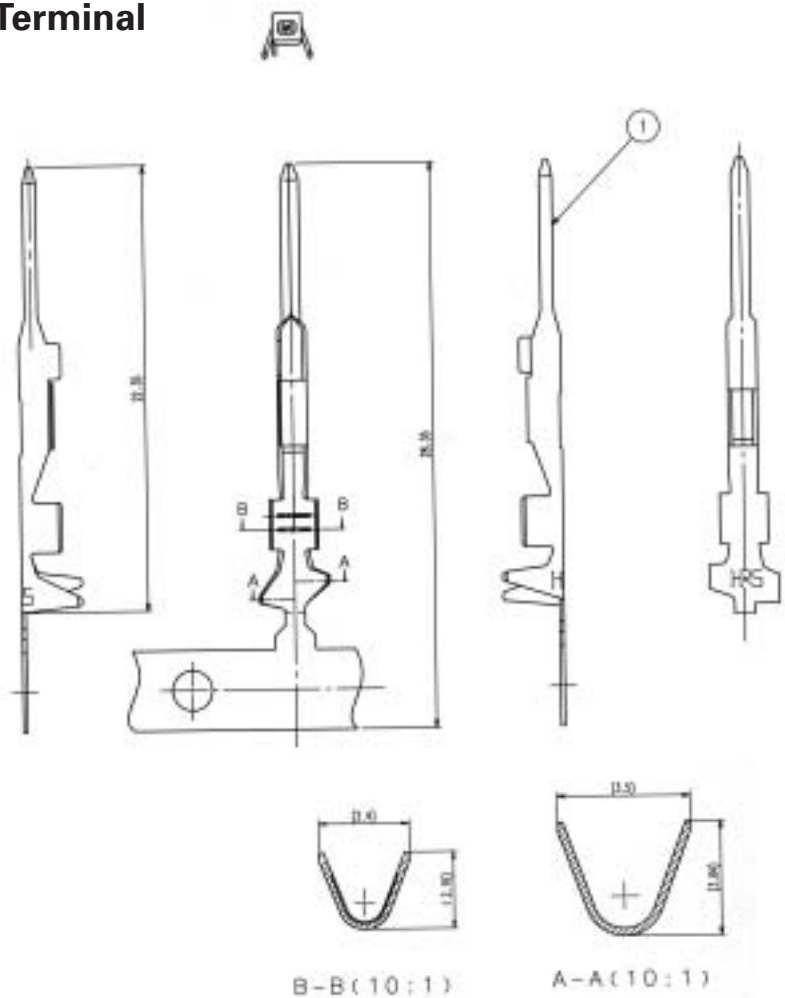


■ F Connector Power Supply Terminal



Part Number	CL No.	Packaging
GT10A-2022SCF	760-0014-6	8,000 pieces per reel

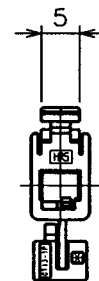
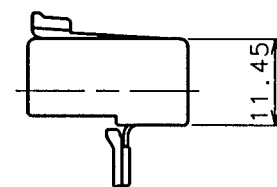
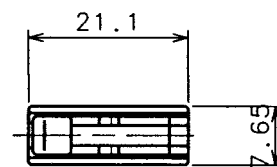
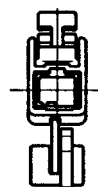
■ **M Connector Power Supply Terminal**



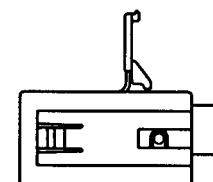
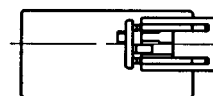
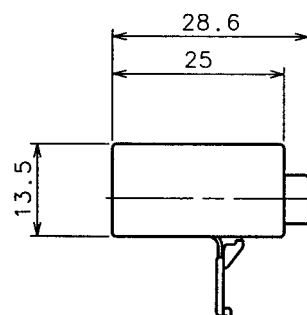
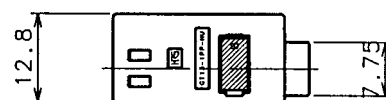
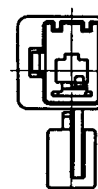
Part Number	CL No.	Packaging
GT10SC-2022PCF	760-0016-1	7,000 pieces per reel

M Housing

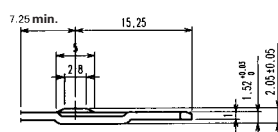
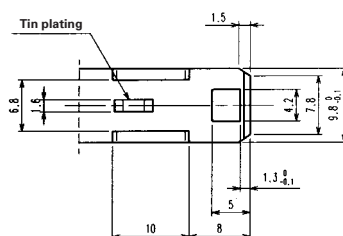
 Shown with inserted retainer.



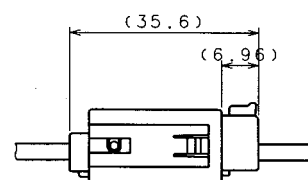
Part Number	CL No.
GT13-1S-HU	763-0003-9



Recommended Mounting Bracket Dimensions

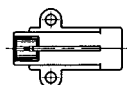
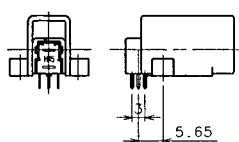
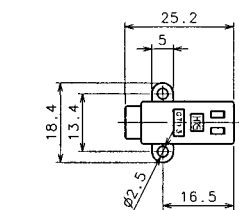


Fully mated connector assemblies

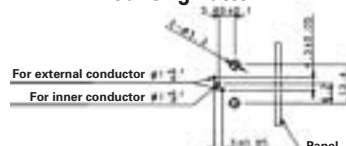


F Connectors

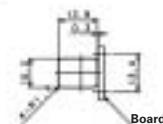
● One-position Type



◆ Recommended Board Mounting Pattern



◆ Recommended Panel Dimensions Diagram

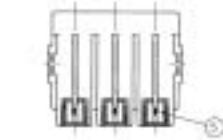
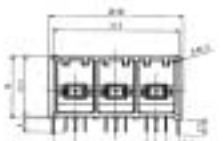
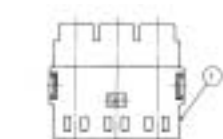


◆ Fully mated connector assemblies

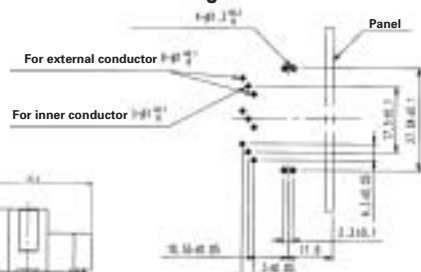


Part Number	CL No.
GT13-1P-DS	763-0005-4

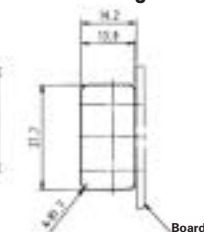
● 3-position type



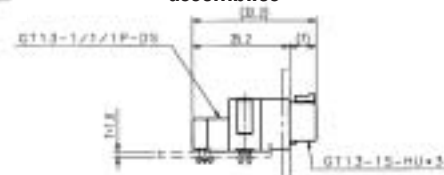
◆ Recommended Board Mounting Pattern



◆ Recommended Panel Dimensions Diagram

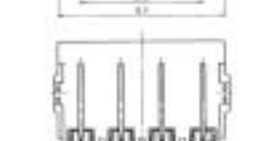
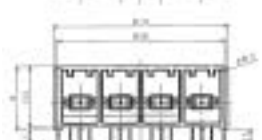
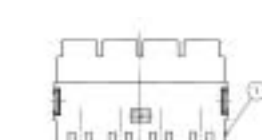


◆ Fully mated connector assemblies

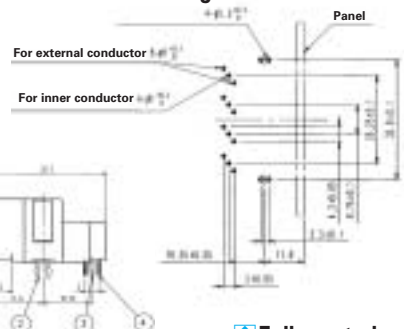


Part Number	CL No.
GT13-1/1P-DS	763-0007-0

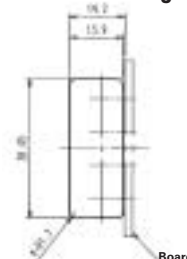
● 4-position type



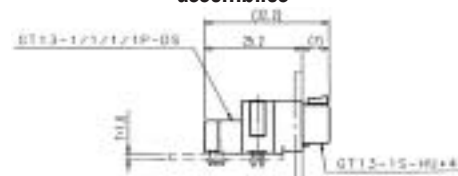
◆ Recommended Board Mounting Pattern



◆ Recommended Panel Dimensions Diagram



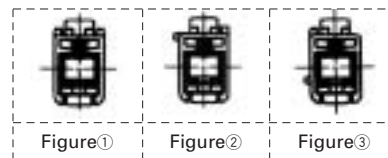
◆ Fully mated connector assemblies



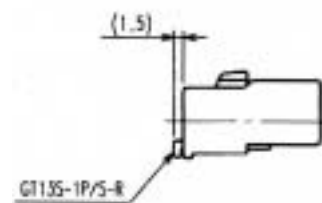
Part Number	CL No.
GT13-1/1P-DS	763-0008-2

13S Series

F Housing

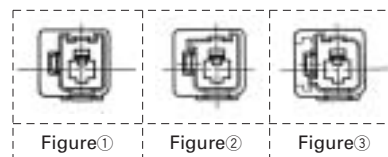
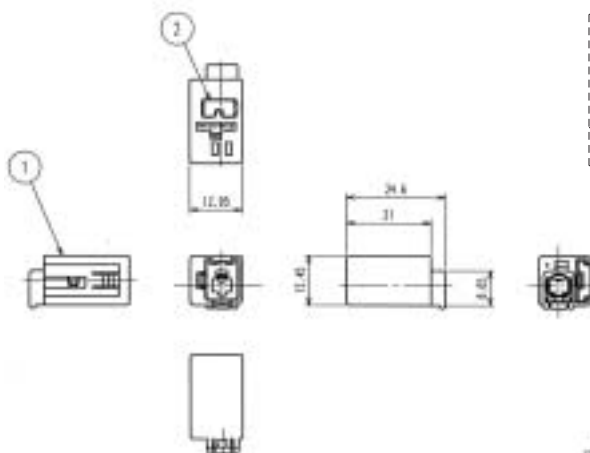


◆ Shown with inserted retainer.

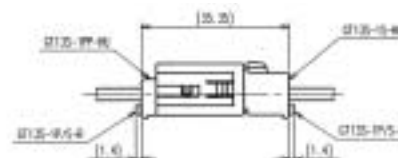


Part Number	CL No.	Material	Color	Key polarizing code
GT13S-1S-HU	763-0024-9	PBT	Light Gray	Figure①
GT13S-1S-HU (A)	763-0025-1	PBT	Brown	Figure②
GT13S-1S-HU (B)	763-0026-4	PBT	Green	Figure③

M Housing



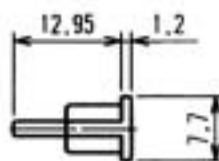
◆ Fully mated connector assemblies



Part Number	CL No.	Color	Key polarizing code
GT13S-1PP-HU	763-0030-1	Light Gray	Figure①
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	—

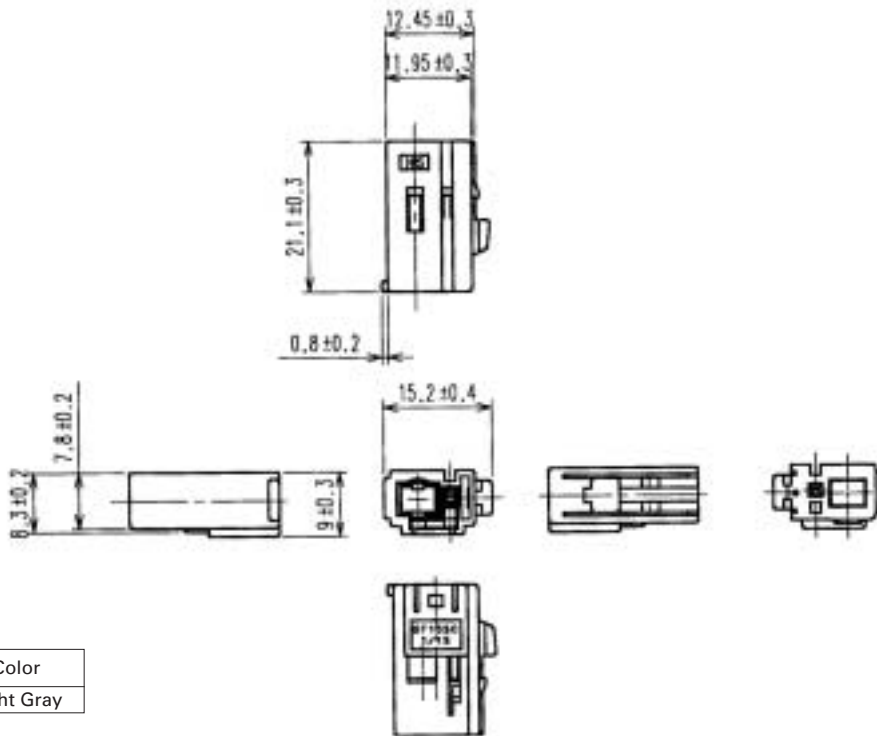
Retainer



Part Number	CL No.
GT13S-1P/S-R	763-0033-0

GT13SC Series

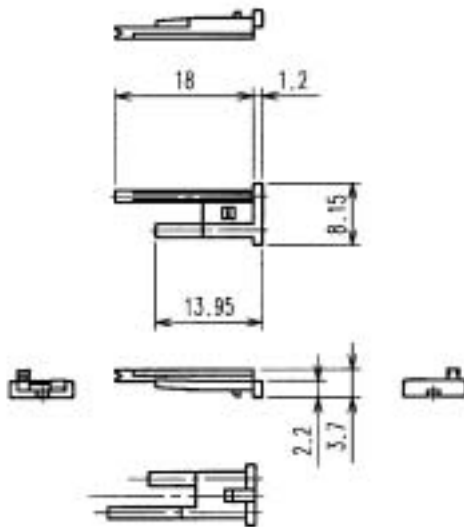
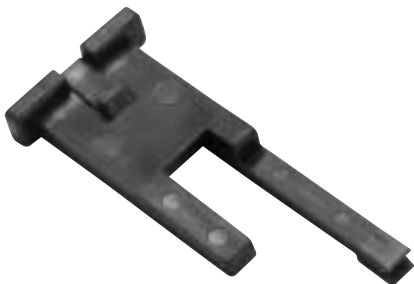
F Housing



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

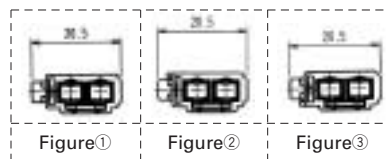
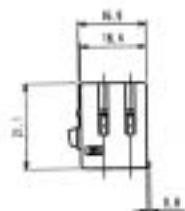
* GT10A-2022SCF is used for power supply terminals.

● Retainer

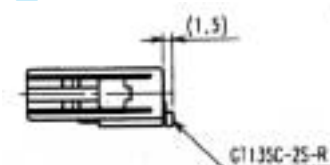


Part Number	CL No.	Material	Color
GT13SC-1/1S-R	763-0011-7	PBT	Dark Gray

F Housing (2 Position)

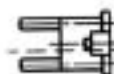
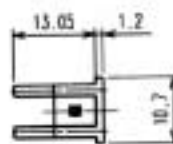


◆ Shown with inserted retainer.



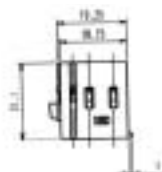
Part Number	CL No.	Color	Key polarizing code
GT13SC-2S-HU	763-0014-5	Light Gray	Figure①
GT13SC-2S-HU (A)	763-0043-3	Brown	Figure②
GT13SC-2S-HU (B)	763-0037-0	Green	Figure③

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

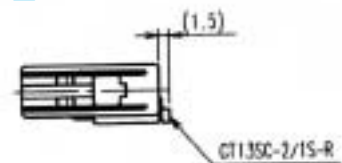


Part Number	CL No.	Material	Color
GT13SC-2S-R	763-0015-8	PBT	Dark Gray

F Housing (Two Single-Conductor Coaxial Cables + One Power contact)



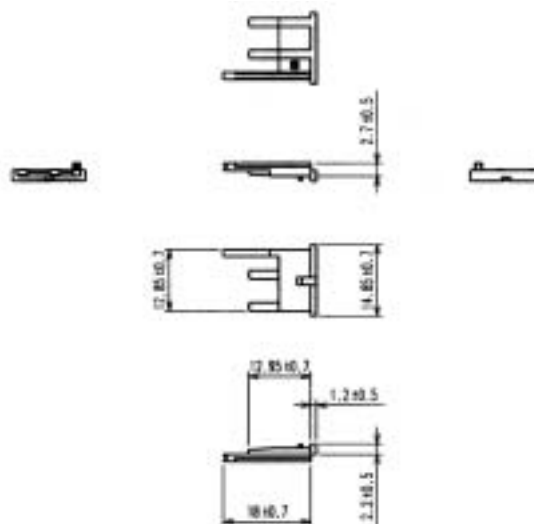
◆ Shown with inserted retainer.



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

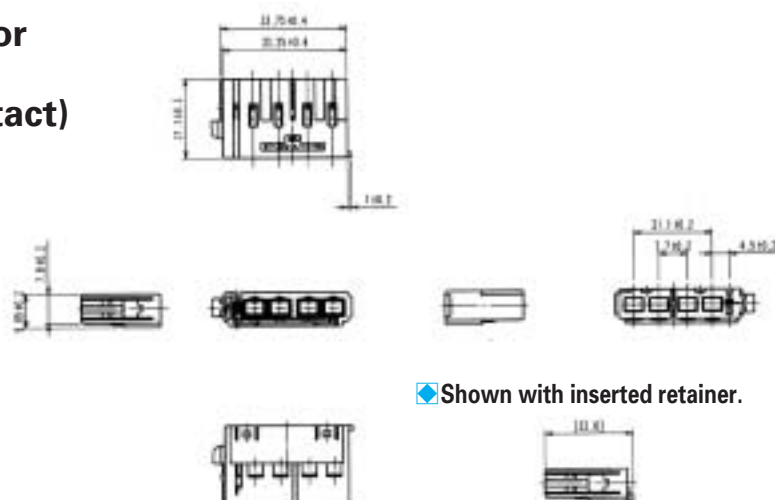
* GT10A-2022SCF is used for power supply terminals.

● Retainer (Used with GT13SC-2/1S-HU)



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

■ F Housing (4 Single-Conductor Coaxial Cables + One Power contact)

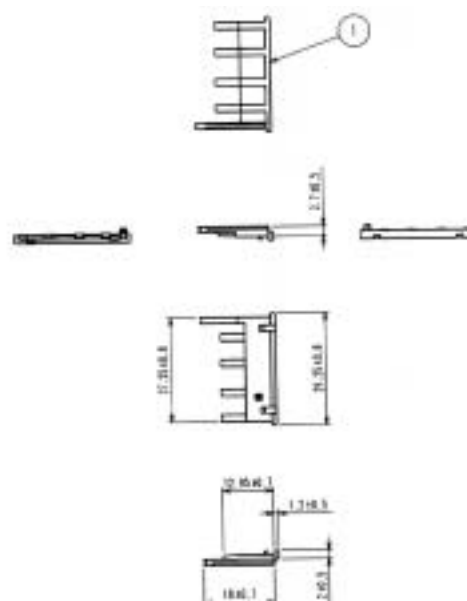


◆ Shown with inserted retainer.

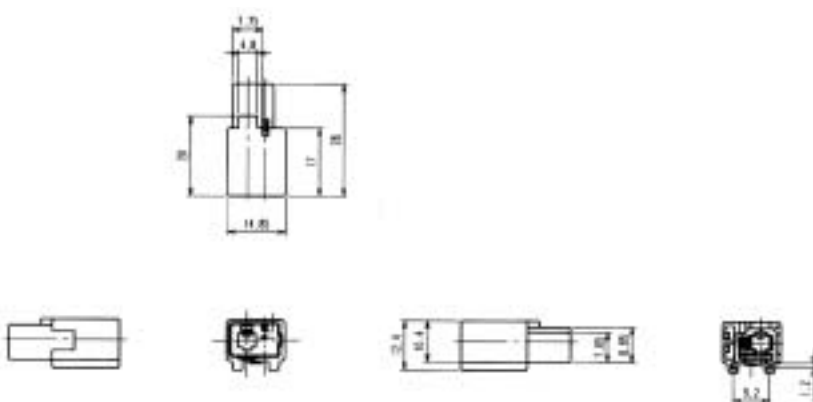
Part Number	CL No.	Color
GT13SC-4/1S-HU	763-0021-0	Light Gray
GT13SC-4/1S-HU (A)	763-0022-3	Brown

* GT10A-2022SCF is used for power supply terminals.

● Retainer (Used with GT13SC-4/1S-R)

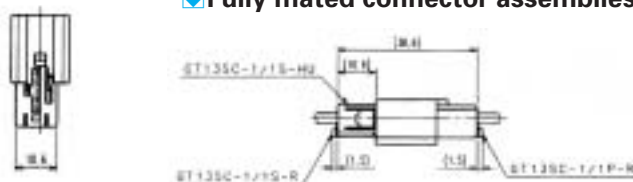


Part Number	CL No.
GT13SC-4/1S-R	763-0023-6

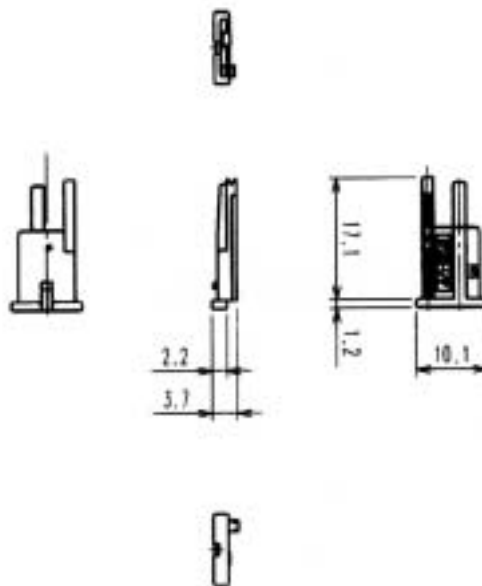


* GT10SC-2022PCF is used for power supply terminals.

Fully mated connector assemblies

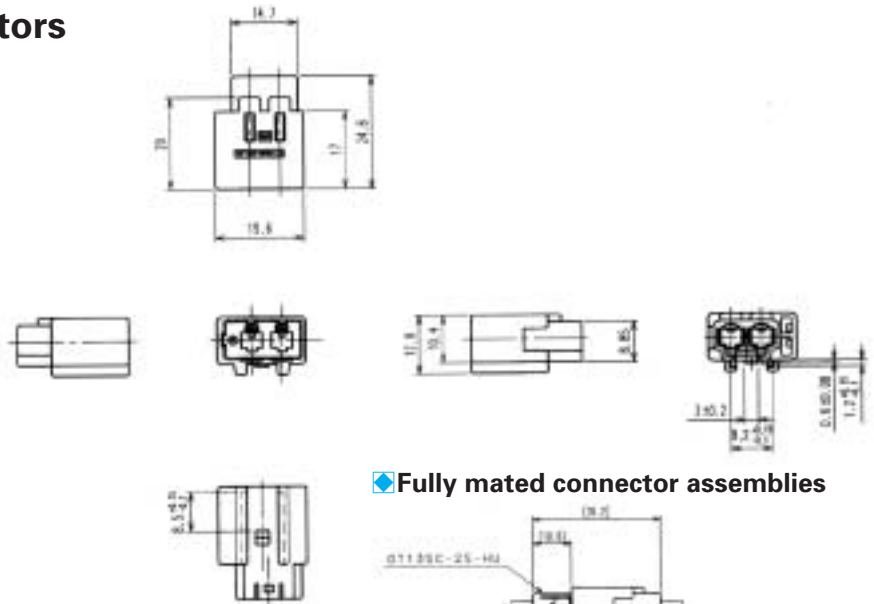


● Retainer (Used with GT13SCN-1/1PP-HU)



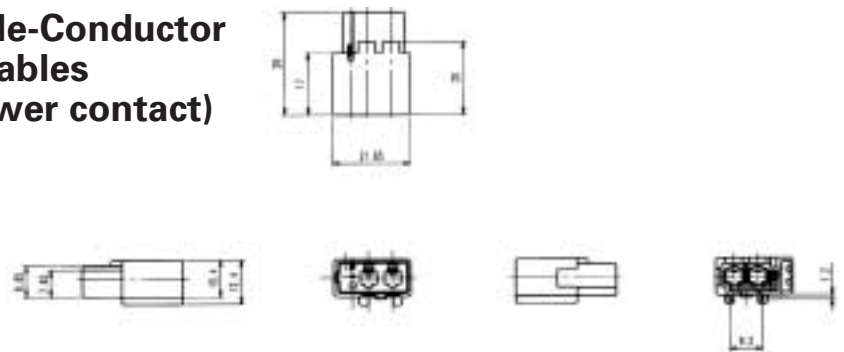
Part Number	CL No.	Material	Color
GT13SC-1/1P-R	763-0039-6	PBT	Dark Gray

■ Two position M Connectors



Part Number	CL No.	Material	Color
GT13SCN-2PP-HU	763-0046-1	PBT	Gray

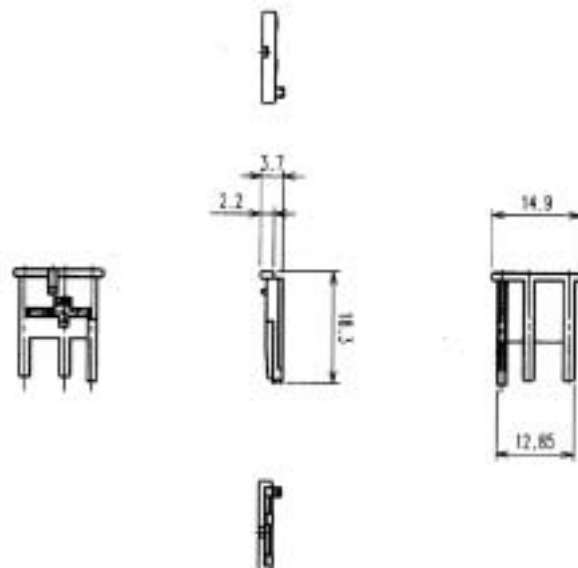
M Connectors (Two Single-Conductor Coaxial Cables + One Power contact)



Part Number	CL No.	Material	Color
GT13SCN-2/1PP-HU	763-0038-3	PBT	Gray

* GT10SC-2022PCF is used for power supply terminals.

● Retainer (Used with GT13SCN-2/1PP-HU)

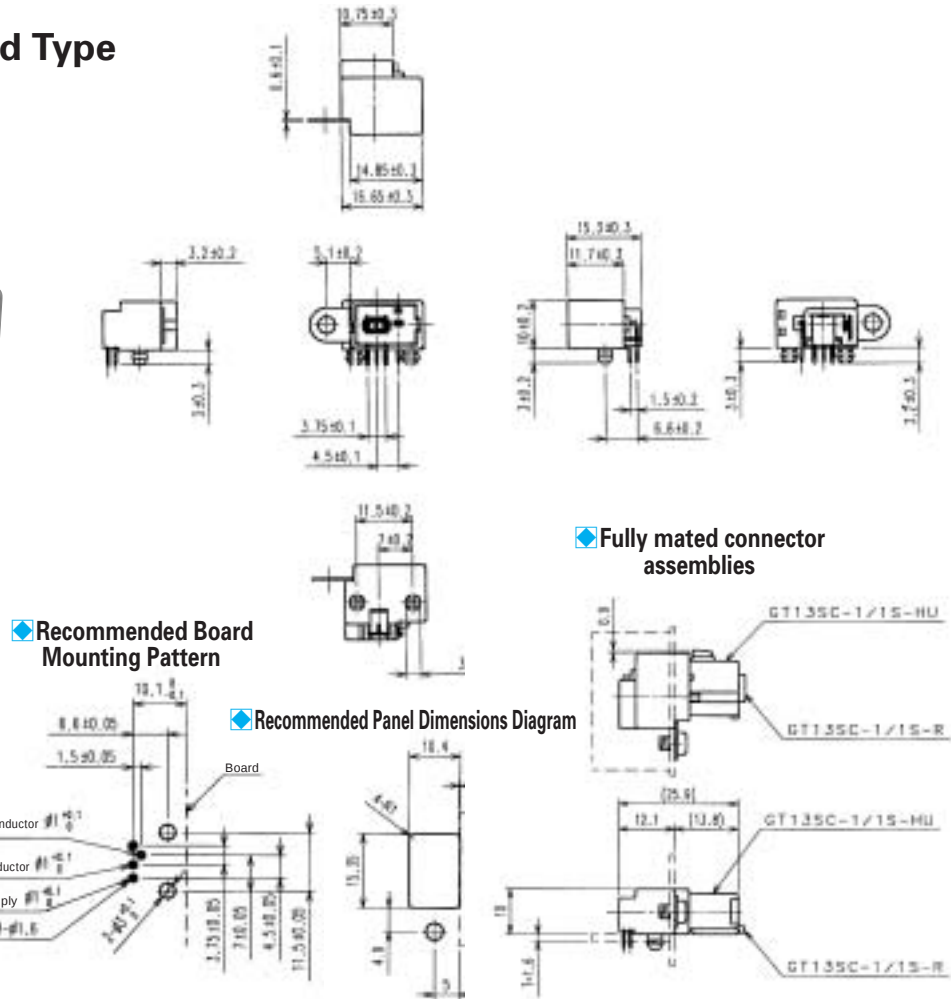


Part Number	CL No.	Material	Color
CT12CC 2/1PB-B	762-0040-5	PBT	Dark Green

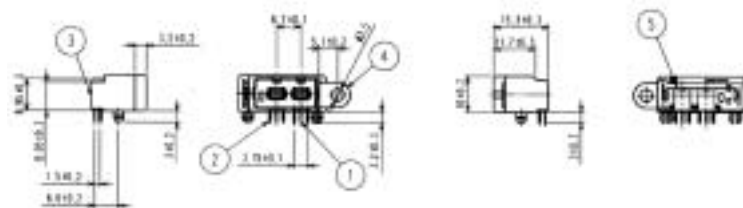
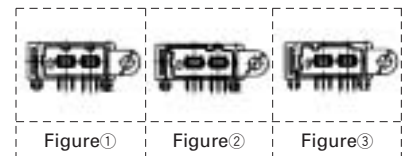
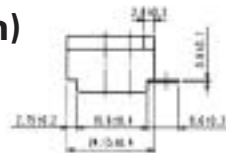
Printed Circuit Board Type



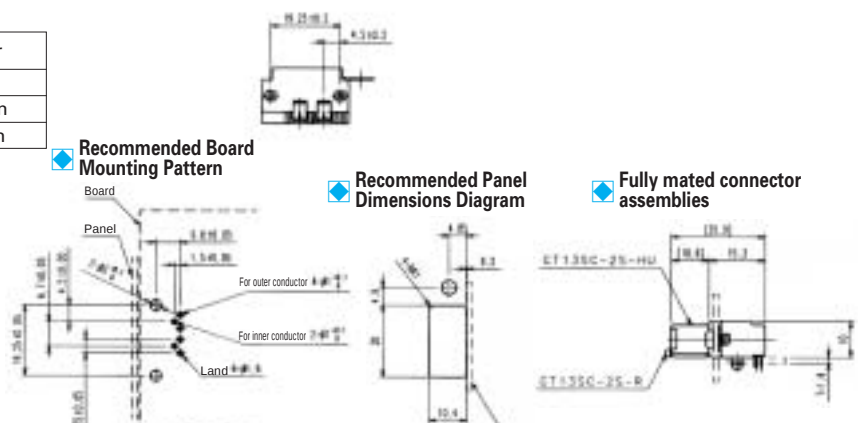
Part Number	CL No.
GT13SC-1/1PP-DS	763-0009-5

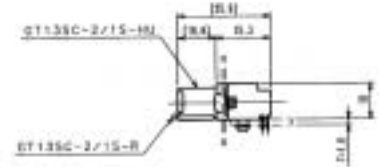
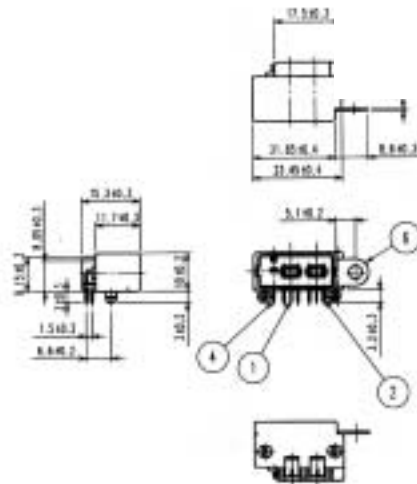
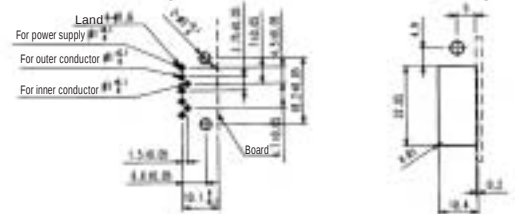


Printed Circuit Board Type (2 Position)



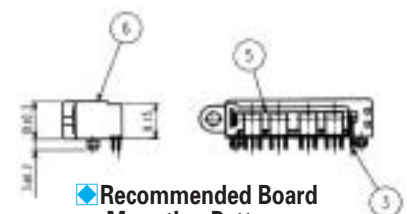
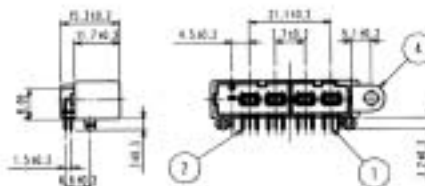
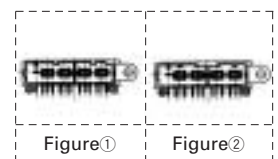
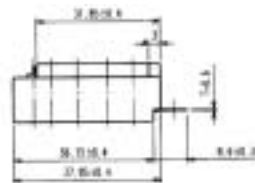
Part Number	CL No.	Material	Color
GT13SC-2PP-DS	763-0013-2	PBT	Gray
GT13SC-2PP-DS (A)	763-0034-2	PBT	Brown
GT13SC-2PP-DS (B)	763-0035-5	PBT	Green





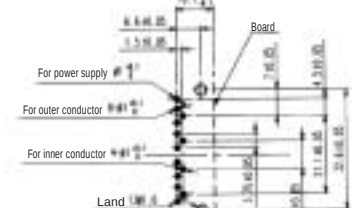
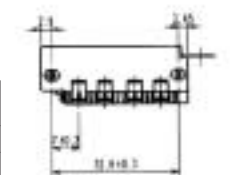
Part Number	CL No.	Material	Color
GT13SC-2/1PP-DS	763-0018-6	PBT	Gray

A close-up photograph of a standard grey RJ45 network port connector, showing the internal contacts and the locking tab.



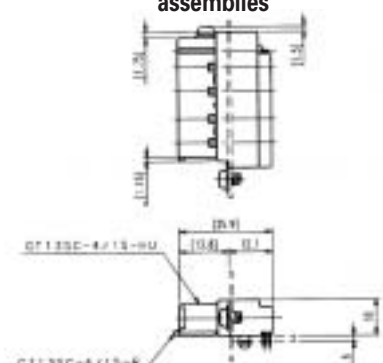
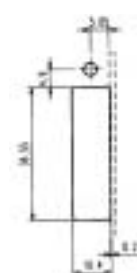
Recommended Board Mounting Pattern

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



Recommended Panel Dimensions Diagram

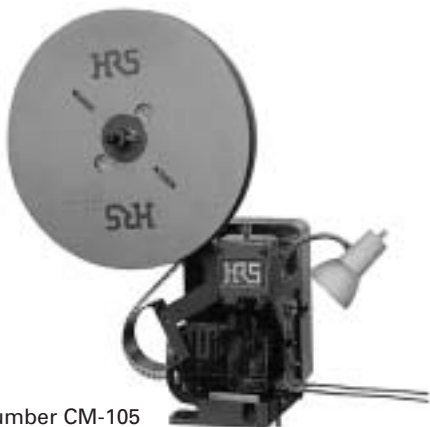
◆ Fully mated connector assemblies



◆ Termination Tools

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

Automatic Crimping Machine



Part Number CM-105

Specifications

Item	Specification	Remarks
Specification	1.5tons	
Stroke Length	30mm	
Number of strokes	200spm (50Hz)	200spm (60Hz)
Weight	75kg	
Motor	0.2kW	100V AC
Crimping speed	2,000-4,000pcs, 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.

● **A special reel stand is required.**