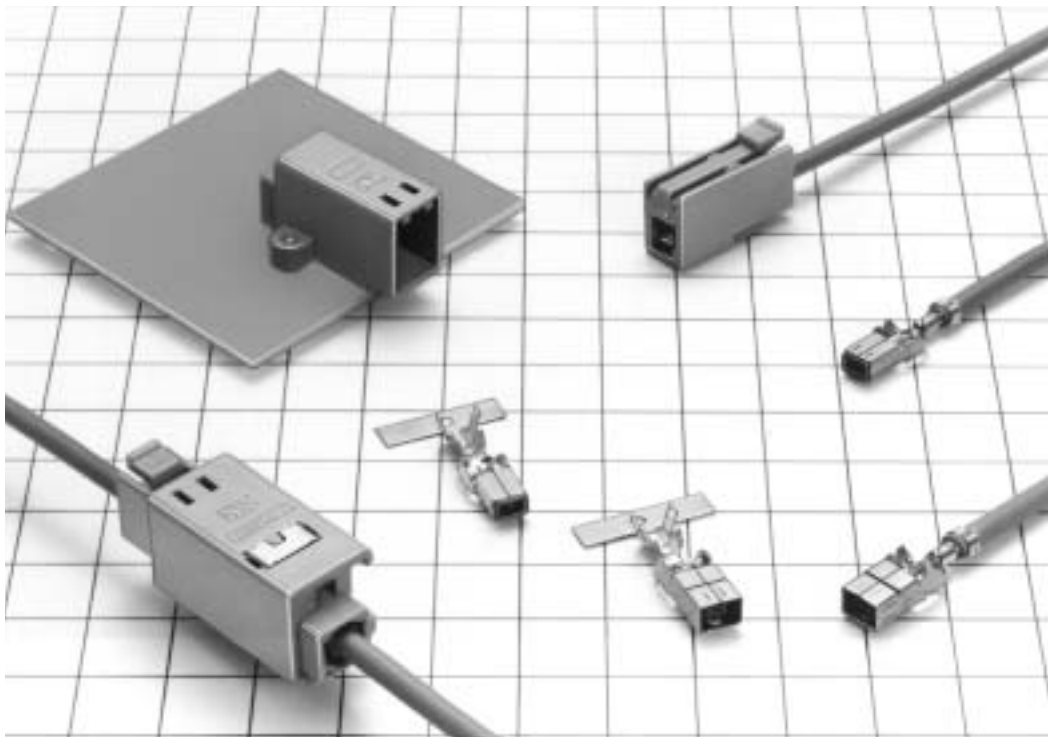


Termination of coaxial cables in automotive, medical and instrumentation applications utilizes a single motion to crimp the center conductor, shield and outer insulation.

# 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**

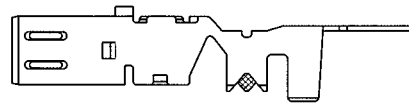
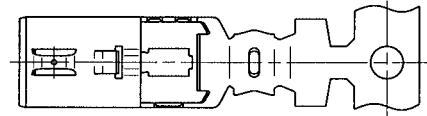
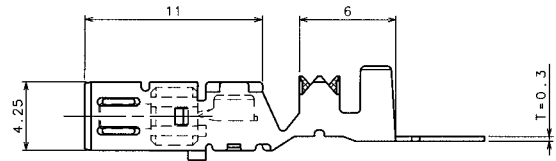
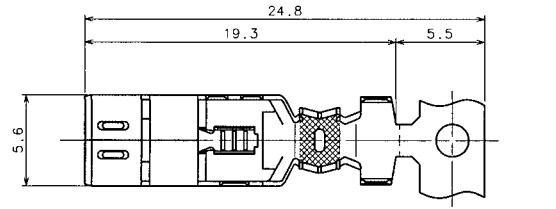
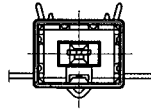
- **Shock / vibration resistant electrical connections**

- **Verification of the full contact insertion**

## ■ Applications

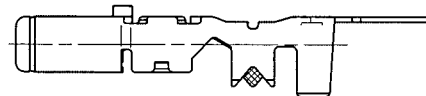
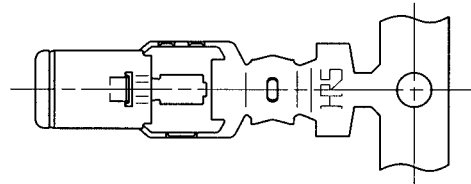
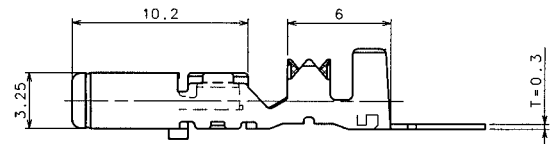
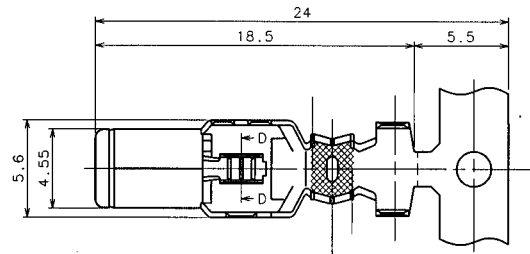
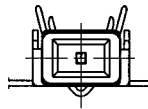
In-car communication, car sensors (temperature, pressure), automotive audio systems, GPS antenna systems, RACS antenna audio/video antenna systems, CRT displays, medical and measuring instrumentation, variety of communication equipment, office automation equipment, LAN systems.

## F Terminals



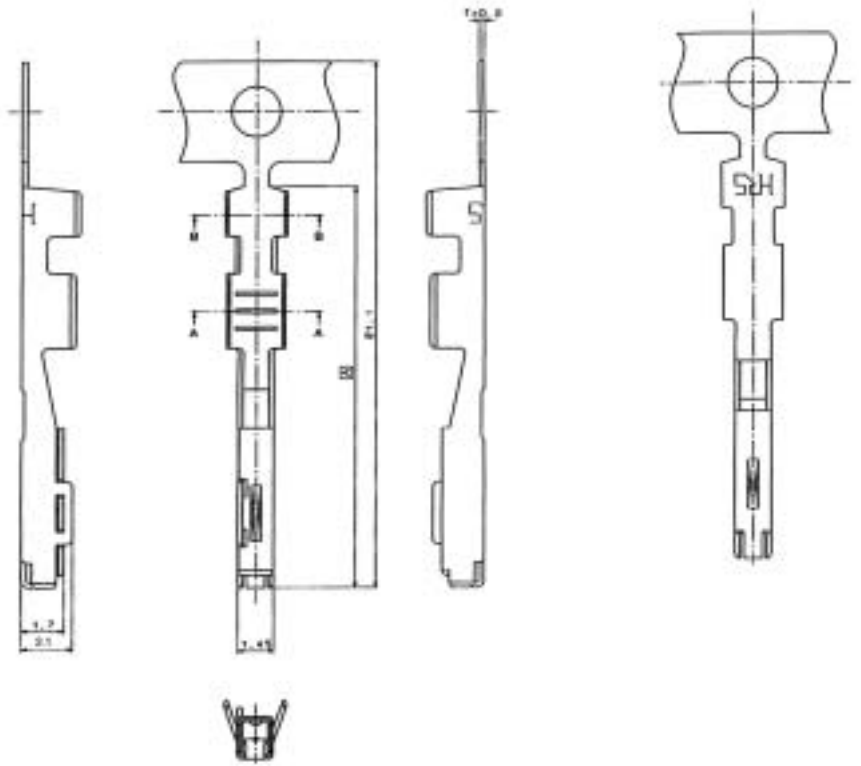
| Part Number          | CL No.     | Conductor Size (AWG)        | Inner Insulation Diameter | Outer Diameter | Packaging             |
|----------------------|------------|-----------------------------|---------------------------|----------------|-----------------------|
| GT13-2428/1.6-2.9SCF | 763-0001-3 | 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



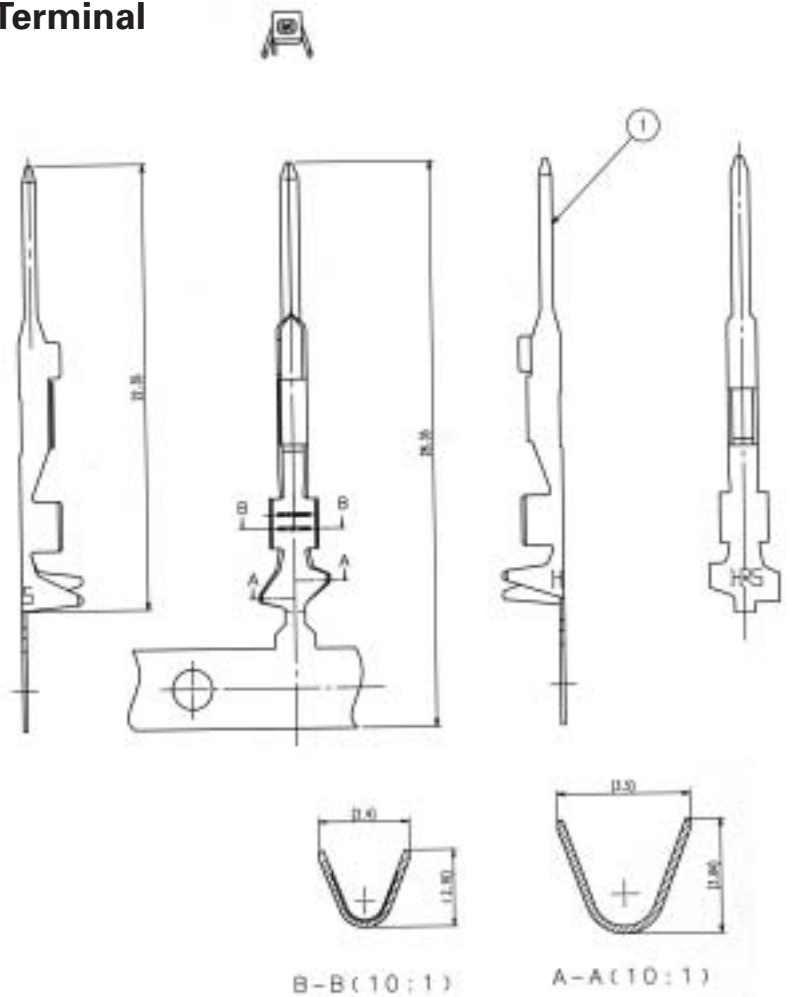
| Part Number          | CL No.     | Conductor Size (AWG)        | Inner Insulation Diameter | Outer Diameter | Packaging             |
|----------------------|------------|-----------------------------|---------------------------|----------------|-----------------------|
| GT13-2428/1.6-2.9PCF | 763-0002-6 | 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

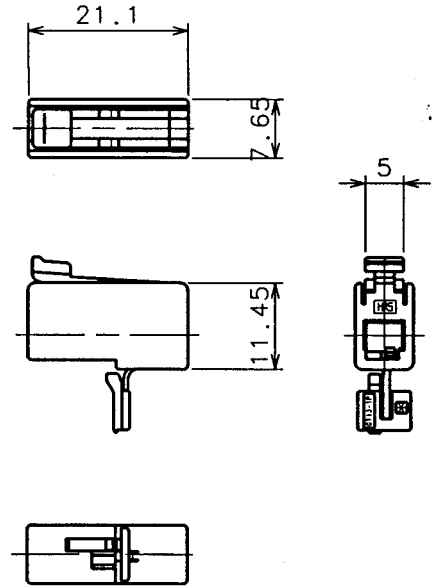


| Part Number    | CL No.     | Packaging             |
|----------------|------------|-----------------------|
| GT10SC-2022PCF | 760-0016-1 | 7,000 pieces per reel |

## F Housing



◆ Shown with inserted retainer.

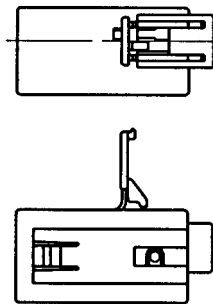
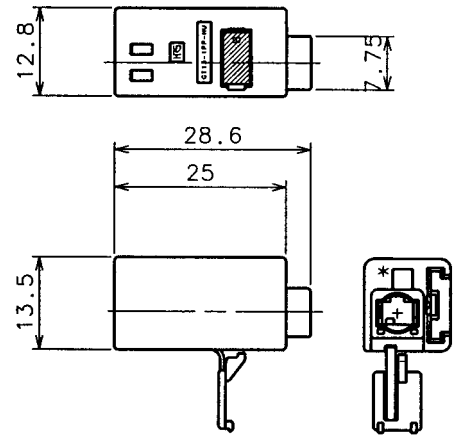
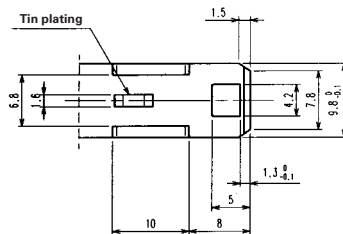


| Part Number | CL No.     |
|-------------|------------|
| GT13-1S-HU  | 763-0003-9 |

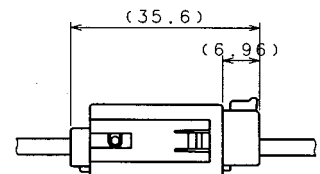
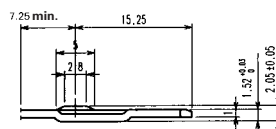
## M Housing



◆ Recommended Mounting Bracket Dimensions

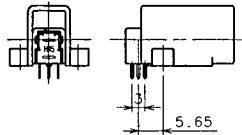
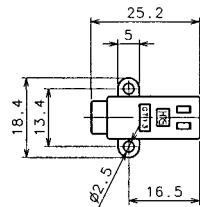


◆ Fully mated connector assemblies

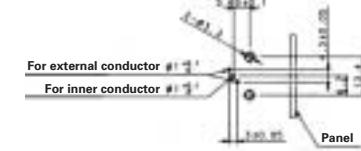


## F Connectors

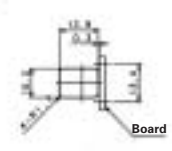
### ● One-position Type



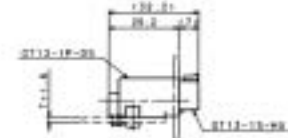
#### ◆ Recommended Board Mounting Pattern



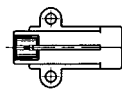
#### ◆ Recommended Panel Dimensions Diagram



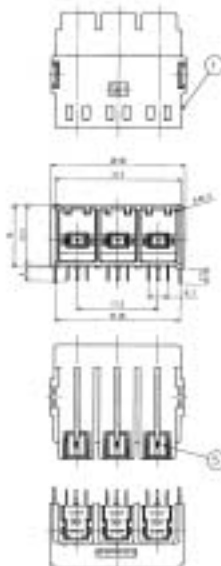
#### ◆ Fully mated connector assemblies



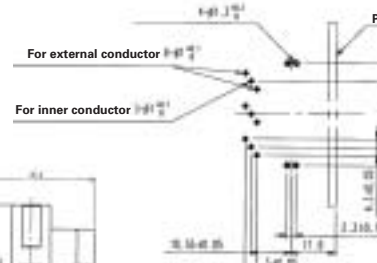
|             |            |
|-------------|------------|
| Part Number | CL No.     |
| GT13-1P-DS  | 763-0005-4 |



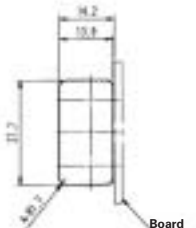
### ● 3-position type



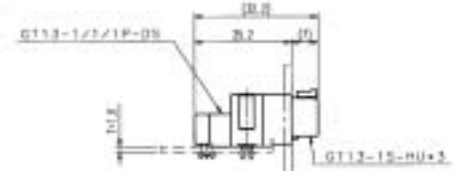
#### ◆ Recommended Board Mounting Pattern



#### ◆ Recommended Panel Dimensions Diagram

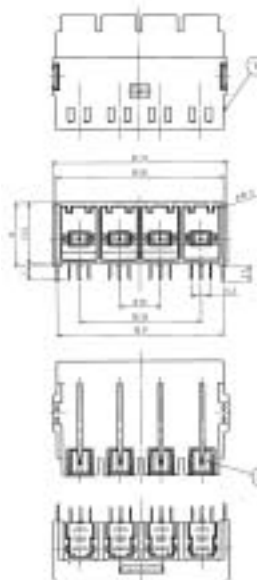


#### ◆ Fully mated connector assemblies

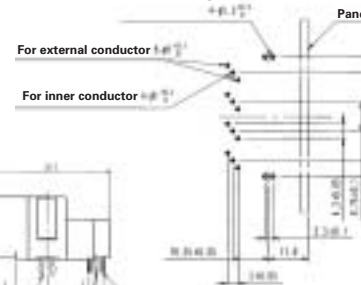


|                |            |
|----------------|------------|
| Part Number    | CL No.     |
| GT13-1/1/1P-DS | 763-0007-0 |

### ● 4-position type



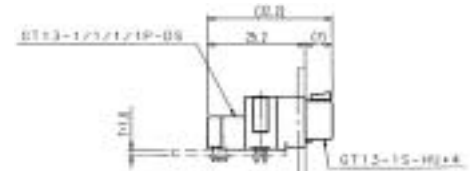
#### ◆ Recommended Board Mounting Pattern



#### ◆ Recommended Panel Dimensions Diagram



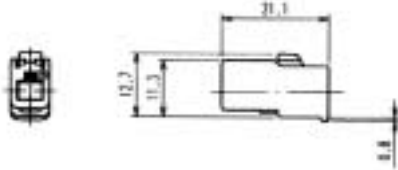
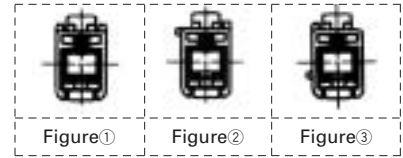
#### ◆ Fully mated connector assemblies



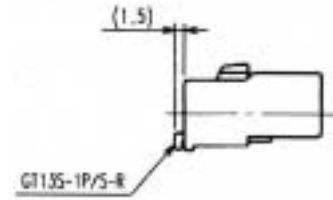
|                  |            |
|------------------|------------|
| Part Number      | CL No.     |
| GT13-1/1/1/1P-DS | 763-0008-2 |

# 13S Series

## F Housing

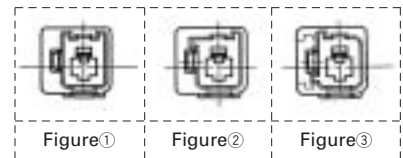
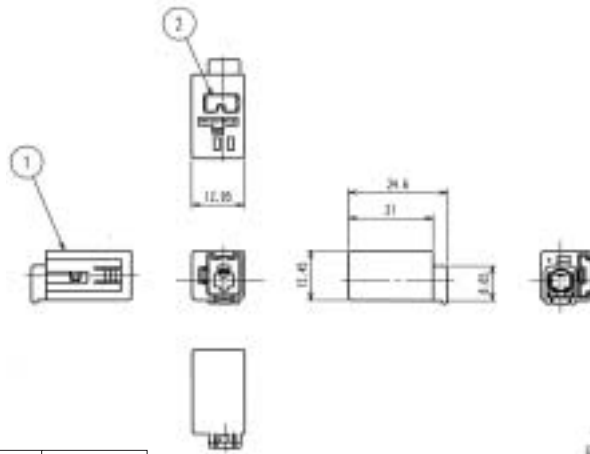


◆ Shown with inserted retainer.

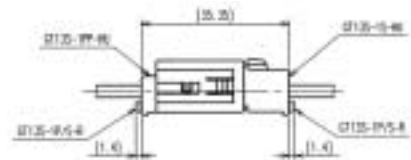


| Part Number     | CL No.     | Material | Color      | Key polarizing code |
|-----------------|------------|----------|------------|---------------------|
| GT13S-1S-HU     | 763-0024-9 | PBT      | Light Gray | Figure①             |
| GT13S-1S-HU (A) | 763-0025-1 | PBT      | Brown      | Figure②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

## M Housing



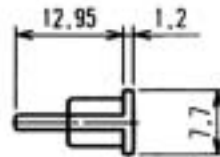
◆ Fully mated connector assemblies



| 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          | —           |

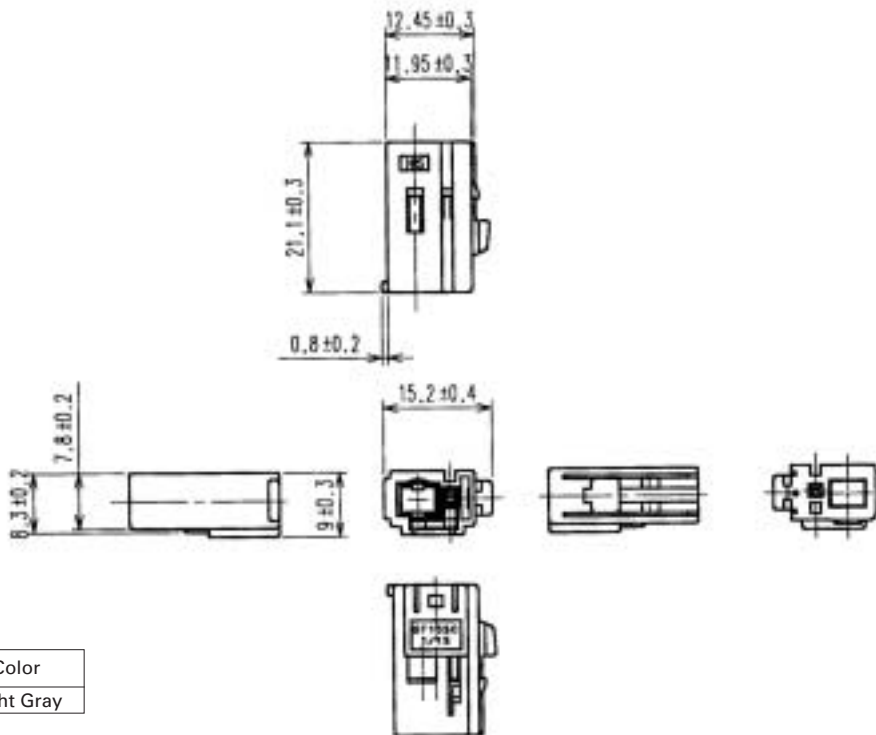
## Retainer



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

# GT13SC Series

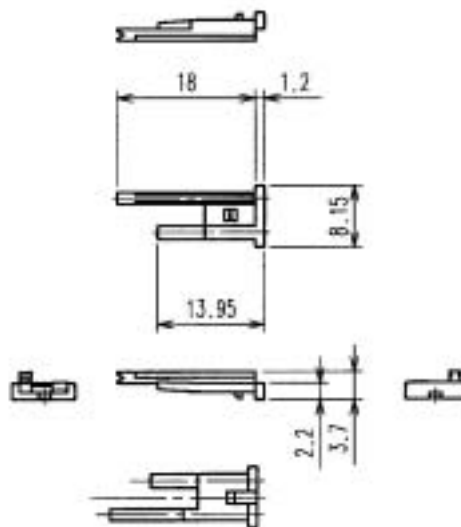
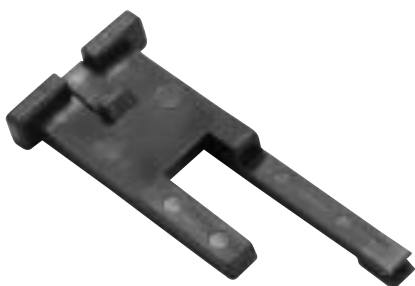
## F Housing



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

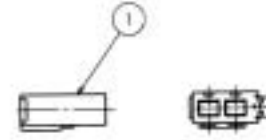
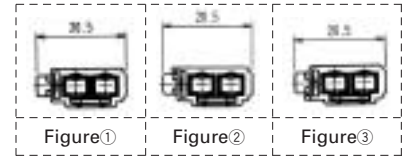
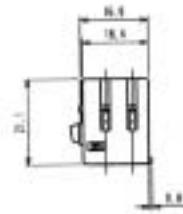
\* GT10A-2022SCF is used for power supply terminals.

## ● Retainer

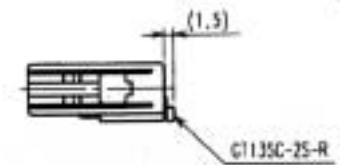


| Part Number   | CL No.     | Material | Color     |
|---------------|------------|----------|-----------|
| GT13SC-1/1S-R | 763-0011-7 | PBT      | Dark Gray |

## F Housing (2 Position)

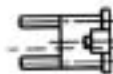
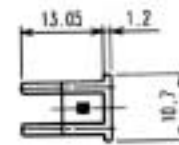


◆ Shown with inserted retainer.



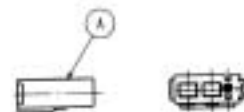
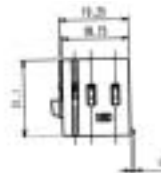
| Part Number      | CL No.     | Color      | Key polarizing code |
|------------------|------------|------------|---------------------|
| GT13SC-2S-HU     | 763-0014-5 | Light Gray | Figure①             |
| GT13SC-2S-HU (A) | 763-0043-3 | Brown      | Figure②             |
| GT13SC-2S-HU (B) | 763-0037-0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

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

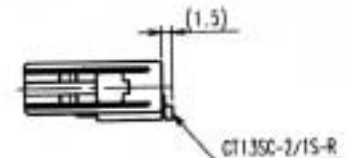


| Part Number | CL No.     | Material | Color     |
|-------------|------------|----------|-----------|
| GT13SC-2S-R | 763-0015-8 | PBT      | Dark Gray |

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



◆ Shown with inserted retainer.

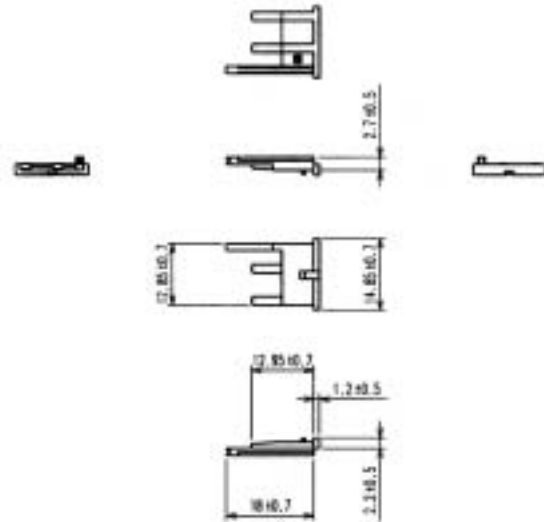


| Part Number    | CL No.     | Material | Color      |
|----------------|------------|----------|------------|
| GT13SC-2/1S-HU | 763-0016-0 | PBT      | Light Gray |

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

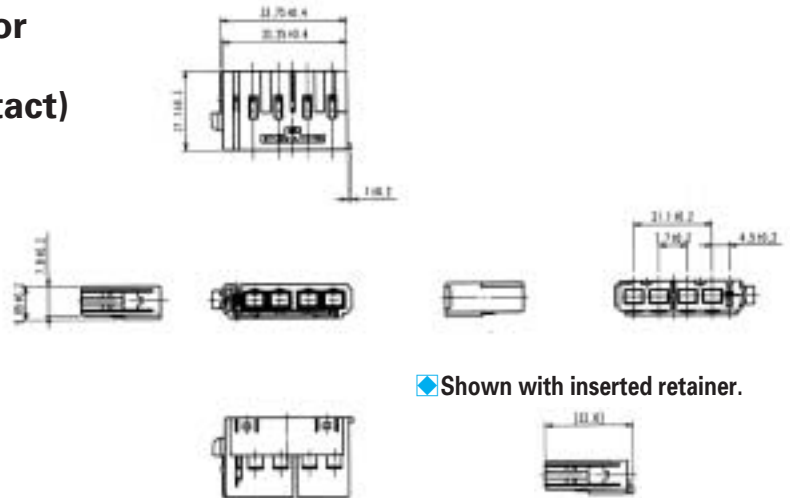


● Retainer (Used with GT13SC-2/1S-HU)



| 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)

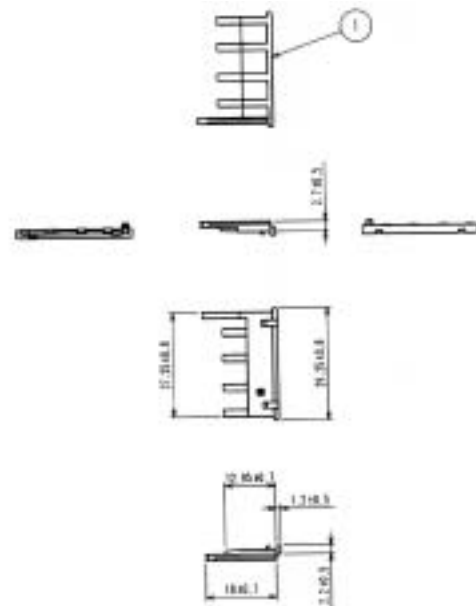


◆ Shown with inserted retainer.

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

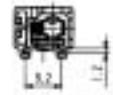
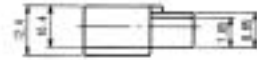
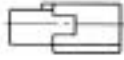
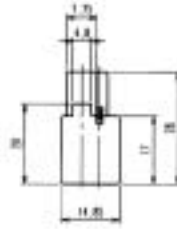
\* GT10A-2022SCF is used for power supply terminals.

● Retainer (Used with GT13SC-4/1S-R)

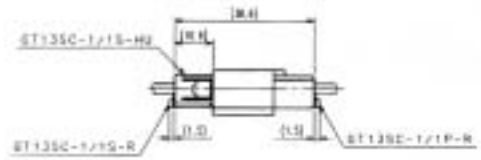


| Part Number   | CL No.     |
|---------------|------------|
| GT13SC-4/1S-R | 763-0023-6 |

## M Connectors



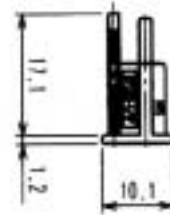
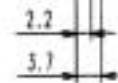
### Fully mated connector assemblies



| Part Number      | CL No.     | Material | Color |
|------------------|------------|----------|-------|
| GT13SCN-1/1PP-HU | 763-0036-8 | PBT      | Gray  |

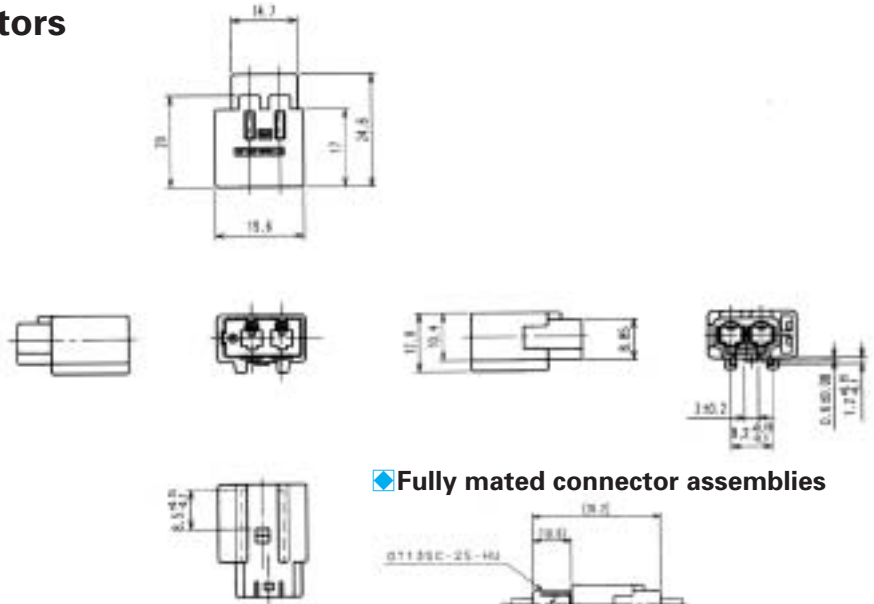
\* GT10SC-2022PCF is used for power supply terminals.

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



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

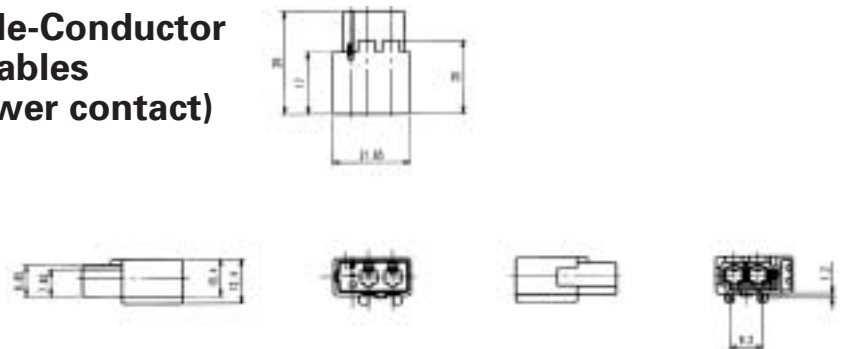
## Two position M Connectors



◆ Fully mated connector assemblies

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

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

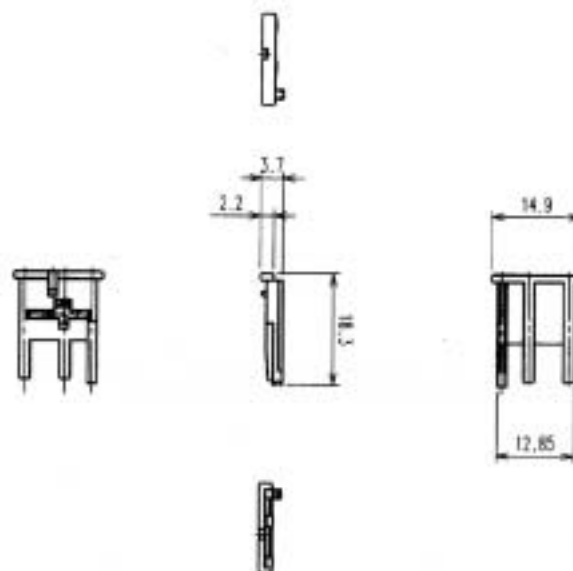


◆ Fully mated connector assemblies

| 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)

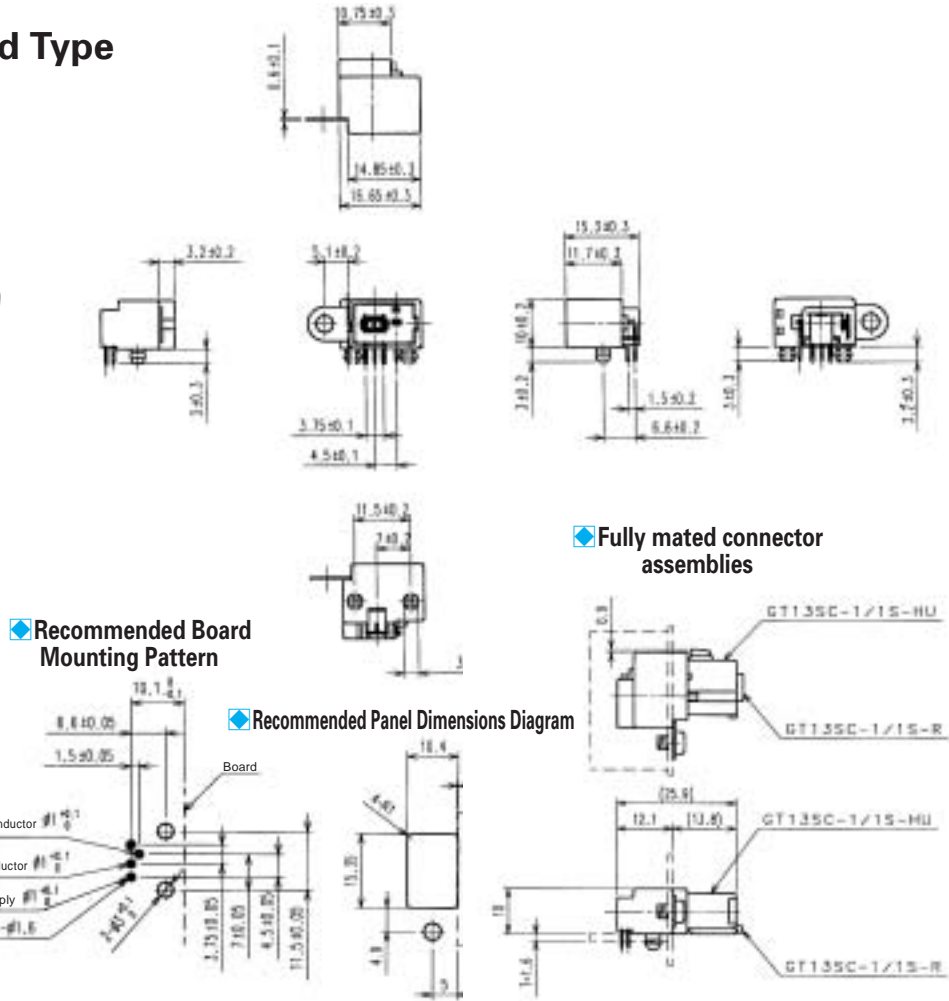


| Part Number    | CL No.     | Material | Color     |
|----------------|------------|----------|-----------|
| GT13SC-2/1PP-R | 763-0040-5 | PBT      | Dark Gray |

## Printed Circuit Board Type



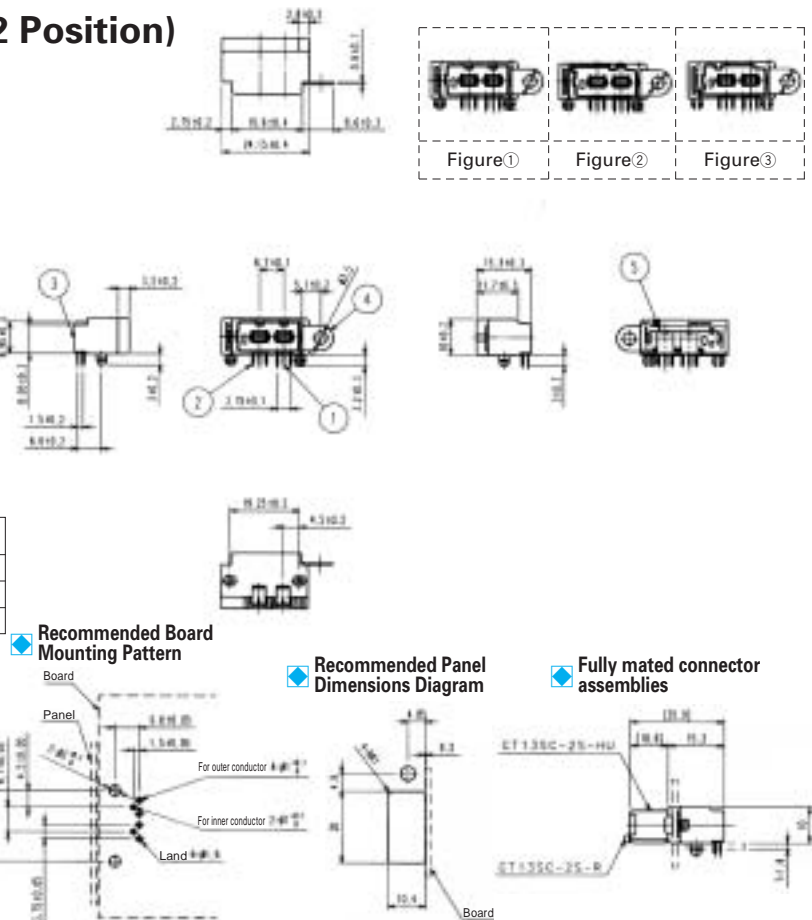
|                 |            |
|-----------------|------------|
| Part Number     | CL No.     |
| GT13SC-1/1PP-DS | 763-0009-5 |



## 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 |

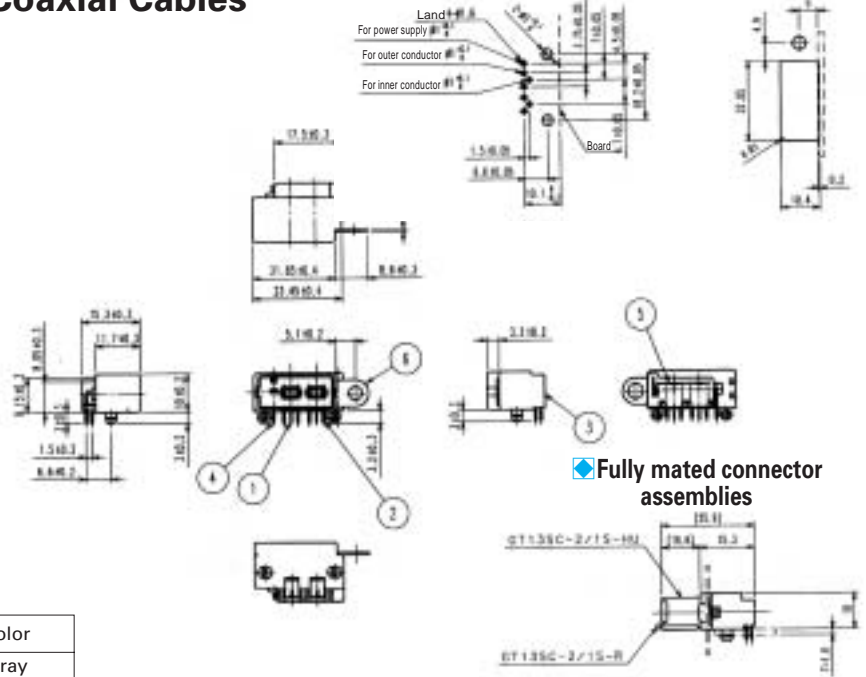


**Printed Circuit Board Type  
(Two Single-Conductor Coaxial Cables  
+ One Power contact)**



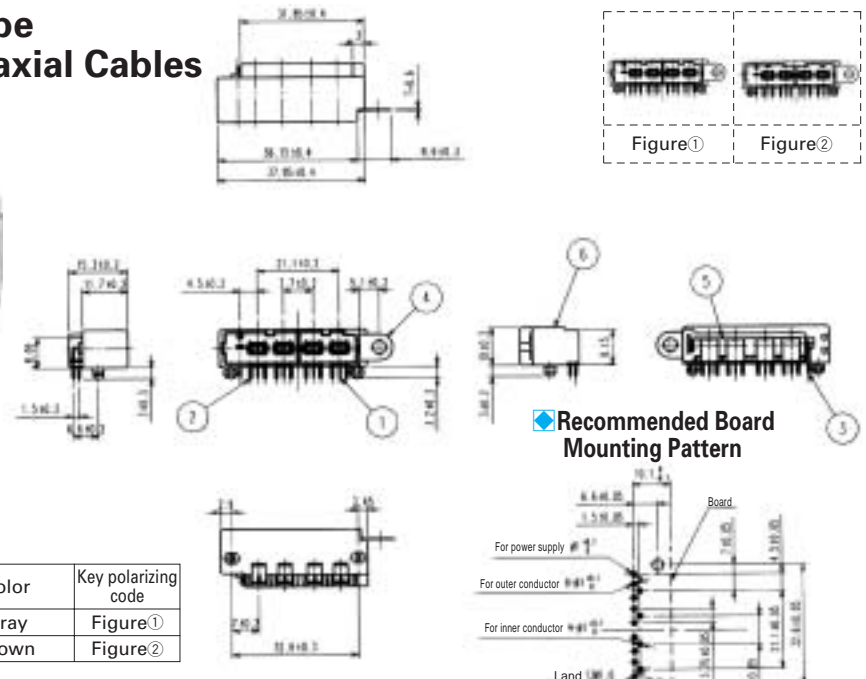
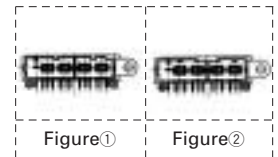
**Recommended Board Mounting Pattern**

**Recommended Panel Dimensions Diagram**



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

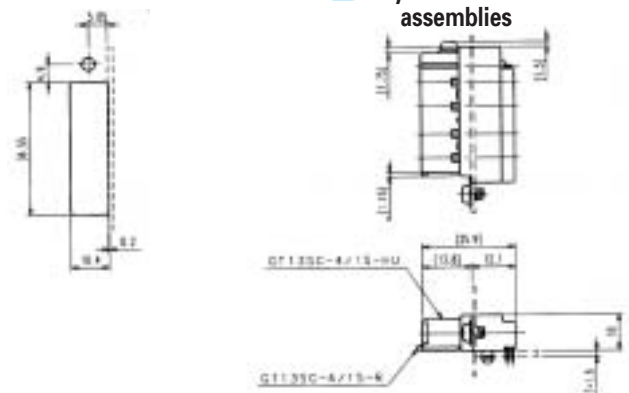
**Printed Circuit Board Type  
(4 Single-Conductor Coaxial Cables  
+ One Power contact)**



| Part Number         | CL No.     | Material | Color | Key polarizing code |
|---------------------|------------|----------|-------|---------------------|
| GT13SC-4/1PP-DS     | 763-0019-9 | PBT      | Gray  | Figure ①            |
| GT13SC-4/1PP-DS (A) | 763-0020-8 | PBT      | Brown | Figure ②            |

**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.**