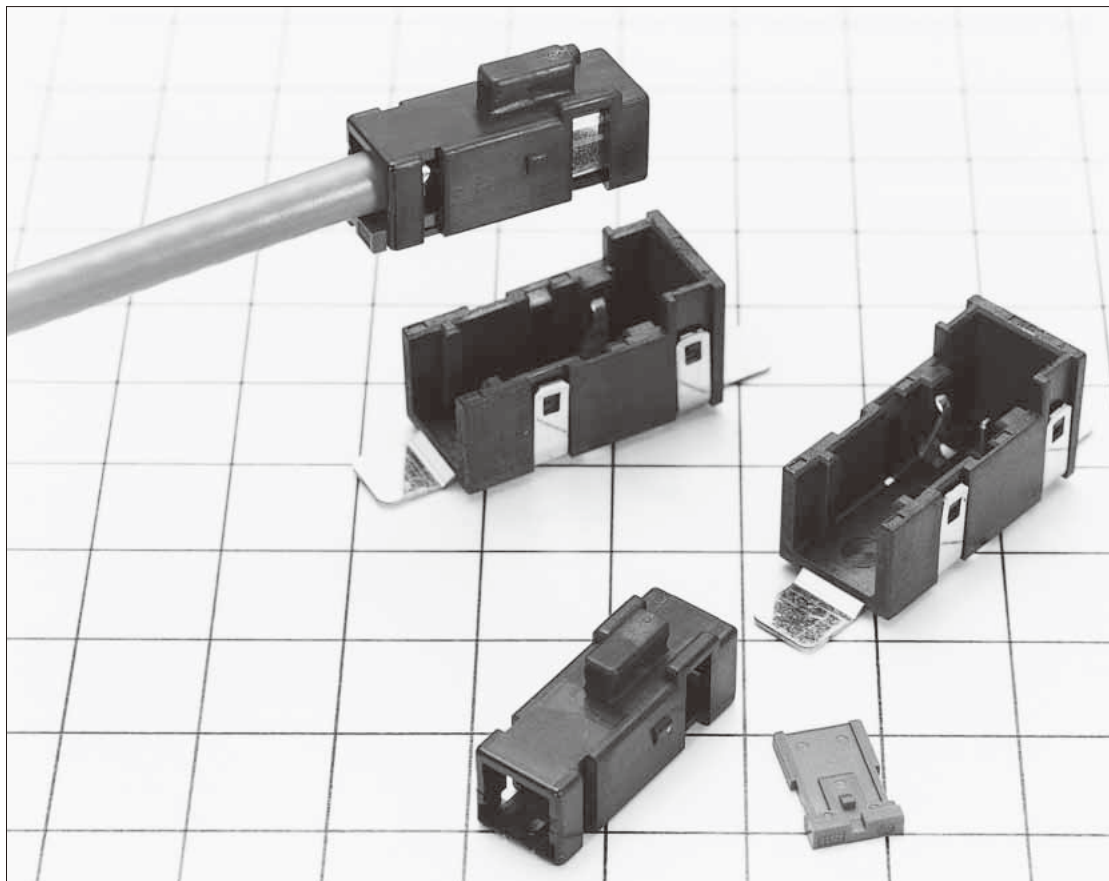


# GT19 Series

— Connectors for window-mounted antennas —



## ■ Features

- **Low cost cable assembly(GT19N)**  
Signal lines and shield can be crimped in a batch.
- **Space-saving design(GT19S)**  
Compare with GT19N, mounting space is reduced by approximately 27%.

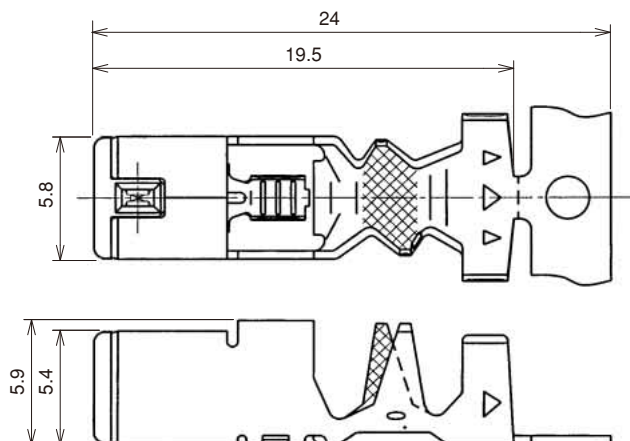
## ■ Applications

for window-mounted antennas.

# GT19N Series

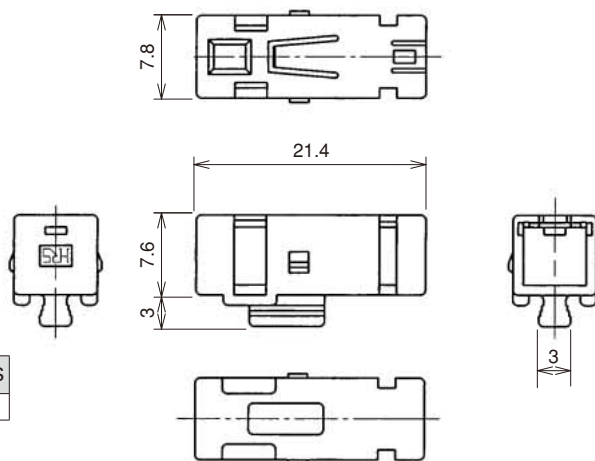
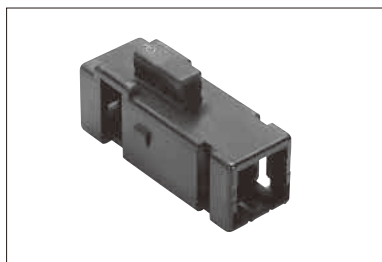
## F Connectors

### ● Terminals



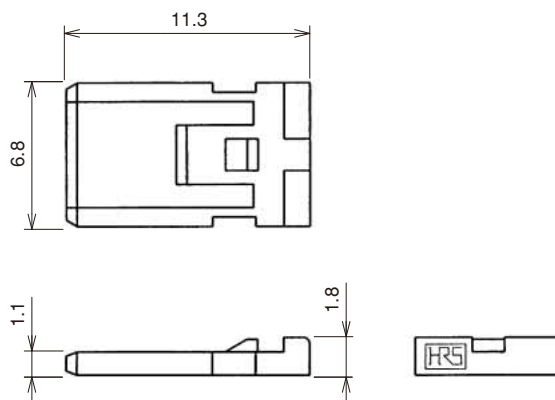
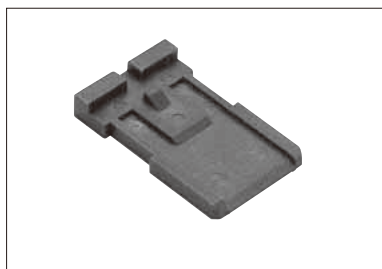
| Part No.                 | HRS No.       | Material/Plating or Color                                                                                          | Wire Size    | Inner Insulation Diameter | Outer Diameter | Packaging      | RoHS |
|--------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|--------------|---------------------------|----------------|----------------|------|
| GT19N-2022/F3.3-5SCF(70) | 769-0001-1 70 | Insulator : PBT/Dark Gray<br>Center terminals : Phosphor bronze/Tin plating<br>Outer terminals : Brass/Tin plating | 20 to 22 AWG | φ 2.5 to 2.9              | φ 4.6 to 5.0   | 1,100 pcs/reel | YES  |

### ● Housing



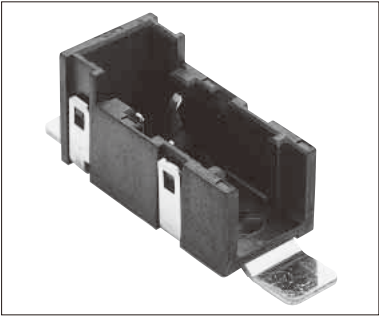
| Part No.    | HRS No.    | Material | Color | Packaging | RoHS |
|-------------|------------|----------|-------|-----------|------|
| GT19N-1S-HU | 769-0002-4 | PBT      | Black | 1         | YES  |

### ● Retainer (Used with GT19N-1S-HU)

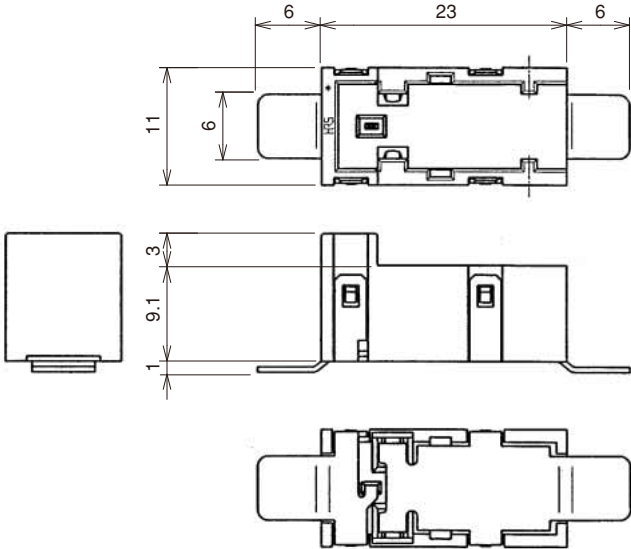
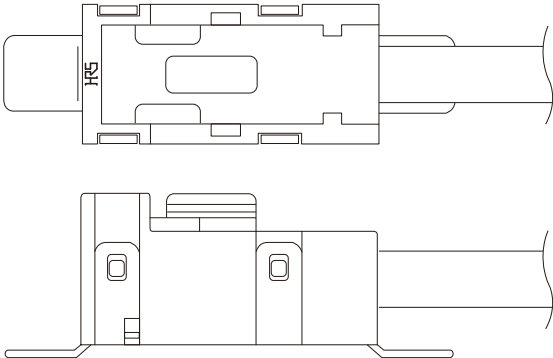


| Part No.   | HRS No.    | Material | Color     | Packaging | RoHS |
|------------|------------|----------|-----------|-----------|------|
| GT19N-1S-R | 769-0003-7 | PBT      | Dark Gray | 1         | YES  |

M Connectors

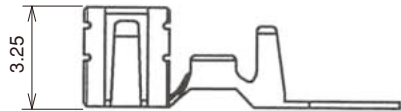
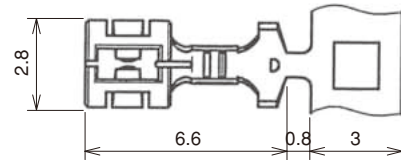


Mated condition

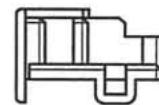
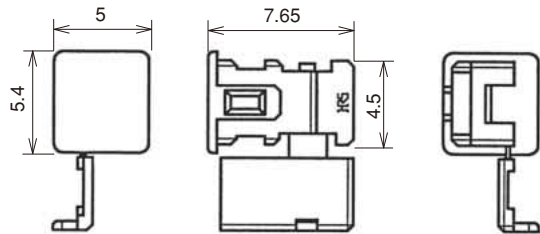


| Part No.       | HRS No.       | Material/Plating or Color                                                                                     | Packaging | RoHS |
|----------------|---------------|---------------------------------------------------------------------------------------------------------------|-----------|------|
| GT19N-1P-V(70) | 769-0004-0 70 | Housing : PPS / Black<br>Center terminal : Brass / Tin plating<br>Outer terminal : Copper alloy / Tin plating | 1         | YES  |

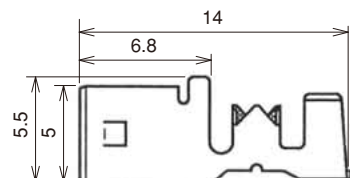
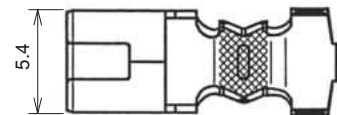
|             |      |      |      |      |      |      |      |      |      |      |     |     |      |       |      |      |     |      |
|-------------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|-------|------|------|-----|------|
| For Antenna |     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

**GT19S Series****■ F Connectors****● Center terminal**

| Part No.      | HRS No.    | Material     | Plating     | Wire Size    | Packaging      | RoHS |
|---------------|------------|--------------|-------------|--------------|----------------|------|
| GT19S-30SCF   | 769-0014-3 | Copper Alloy | Tin plating | 30 AWG       | 3,000 pcs/reel | YES  |
| GT19S-2428SCF | 769-0021-9 |              |             | 24 to 28 AWG |                |      |

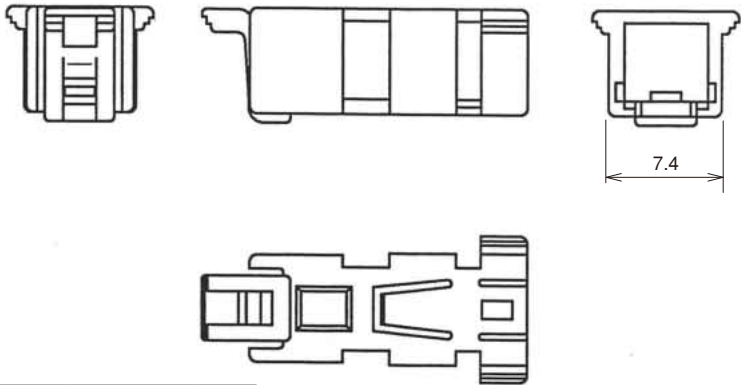
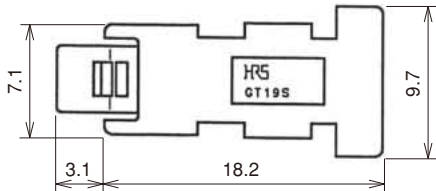
**● Insulated case**

| Part No. | HRS No.    | Material | Color     | Packaging | RoHS |
|----------|------------|----------|-----------|-----------|------|
| GT19S-SC | 769-0015-6 | PBT      | Dark Gray | 1         | YES  |

**● Outside tube terminal**

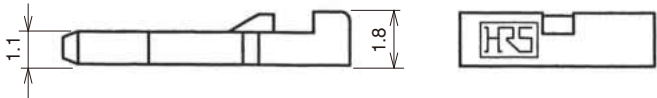
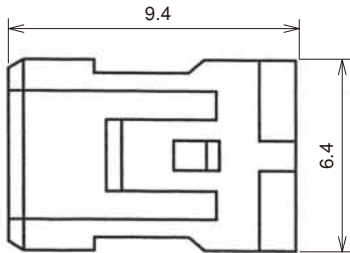
| Part No.        | HRS No.    | Material | Plating     | Inner Insulation Diameter | Outer Diameter | Packaging | RoHS |
|-----------------|------------|----------|-------------|---------------------------|----------------|-----------|------|
| GT19S-1.6-2.9SC | 769-0016-9 | Brass    | Tin plating | φ 1.5 to 2.0              | φ 2.6 to 3.0   | 1         | YES  |

● Housing



| Part No.    | HRS No.    | Material | Color | Packaging | RoHS |
|-------------|------------|----------|-------|-----------|------|
| GT19S-1S-HU | 769-0017-1 | PBT      | Black | 1         | YES  |

● Retainer (Used with GT19S-1S-HU)



| Part No.   | HRS No.    | Material | Color     | Packaging | RoHS |
|------------|------------|----------|-----------|-----------|------|
| GT19S-1S-R | 769-0018-4 | PBT      | Dark Gray | 1         | YES  |

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

GT5

GT13

GT16

PO5G

GT19

GT21

GT26

GT36

GT11

GT17

GT32

GT3

GT7

GT10

GT18W

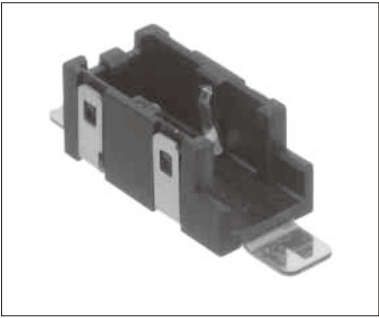
GT25

GT8E

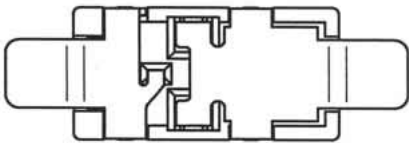
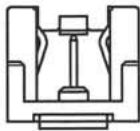
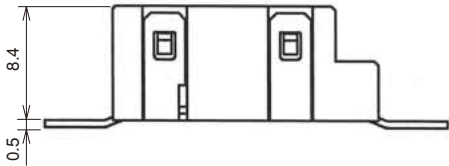
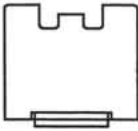
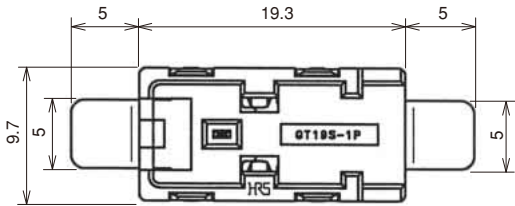
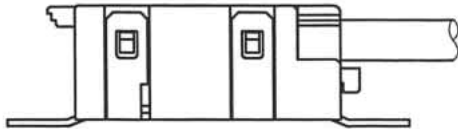
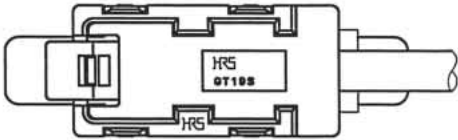
GT9

GT15

# M Connectors



◆Mated condition

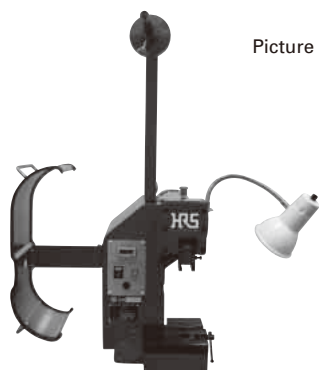


| Part No.   | HRS No.    | Material/Plating or Color                                                                               | Packaging | RoHS |
|------------|------------|---------------------------------------------------------------------------------------------------------|-----------|------|
| GT19S-1P-V | 769-0019-7 | Housing : PPS/Black<br>Center terminal : Brass/Tin plating<br>Outer terminal : Copper alloy/Tin plating | 1         | YES  |

## ◆Crimping tools

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

### ● Automatic Crimping Machine



Picture reference only

Part No. CM-105C

#### Specifications

| Item              | Specification        | Remarks       |
|-------------------|----------------------|---------------|
| Press capacity    | 1.5ton               |               |
| Stroke            | 30mm                 |               |
| Number of strokes | 200spm (50Hz)        | 240spm (60Hz) |
| Weight            | 72kg                 |               |
| Motor             | 0.2kW                | AC100V        |
| Crimping speed    | 2,000~4,000 pieces/H |               |

#### Applicators

| Terminal Product No.     | Terminal HRS No. | Tool No.                  | Tool HRS No. |
|--------------------------|------------------|---------------------------|--------------|
| GT19N-2022/F3.3-5SCF(70) | 769-0001-1 70    | AP105-GT19N-2022/F33-5SID | 901-5090-0   |
| GT19S-30SCF              | 769-0014-3       | AP105-GT19S-30S           | 901-5150-0   |
|                          |                  | AP105-GT19S-30S-ID        | 901-5167-3   |
| GT19S-2428SCF            | 769-0021-9       | AP105-GT19S-2428S         | 901-5178-0   |
| GT19S-/1.6-2.9SC         | 769-0016-9       | GT19S-1.6-2.9S/CK-MP      | 902-5516-7   |
|                          |                  | GT19S-1.6-2.9S/CK-MP3     | 902-5518-2   |

Note 1 : Crimp heights are different for each style of cable. When using cables other than those recommended, please consult with Hirose.

When using cables other than those specified, Hirose will need to establish the correct crimp heights.

Note 2 : Before purchasing genuine Hirose tooling, please inquire if your intended cable has been approved for use on the Hirose tooling.

Note 3 : When using cables other than those recommended, modifications to the tooling may be needed. Please consult with Hirose.