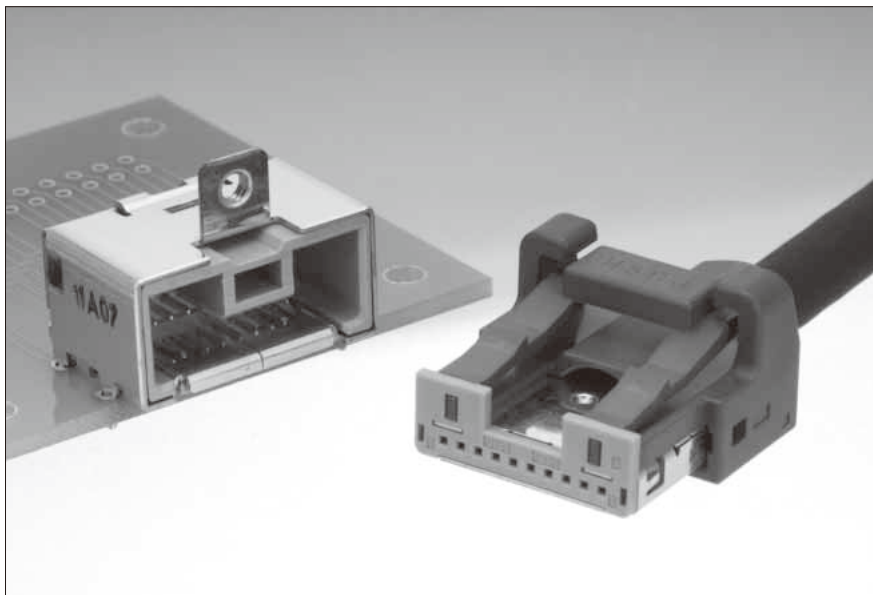


# GT32 Series

— Shielded connector for high speed transmission / USB3.0, HDMI1.4 —



## ■ Features

- Full shielded structure
- Suitable for in-vehicle shielded connectors

## ■ Applications

In-vehicle data communication, etc.  
(10-pos : USB3.0 support)  
(19-pos : HDMI1.4 equivalent signal support)

GT5

GT13

GT16

PO5G

GT19

GT21

GT26

GT36

GT11

GT17

GT32

GT3

GT7

GT10

GT18W

GT25

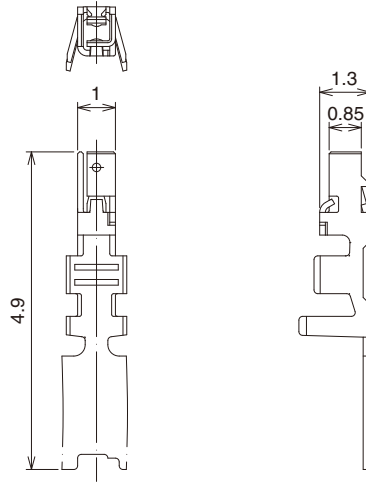
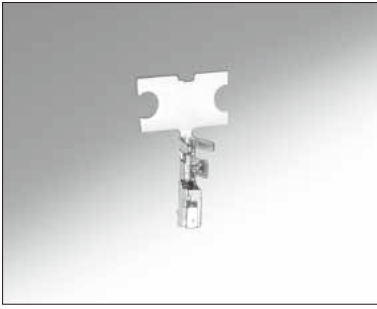
GT8E

GT9

GT15

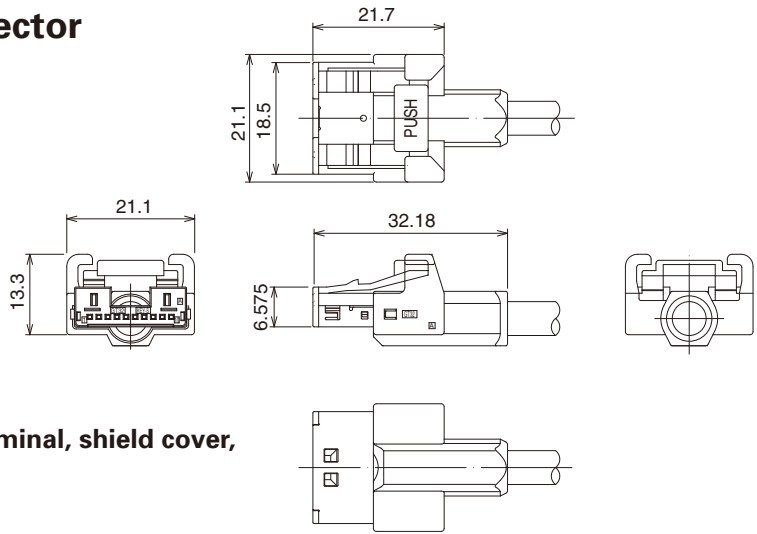
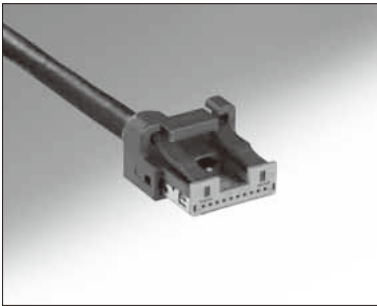
## F connector

### Center terminal



| Part No.     | HRS No.    | Material     | Plating     | Conductor Size (AWG) | Outer Diameter | Packaging       | RoHS |
|--------------|------------|--------------|-------------|----------------------|----------------|-----------------|------|
| GT32-2428SCF | 782-0007-8 | Copper alloy | Tin plating | 24 to 28 AWG         | φ 0.8 to 1.0   | 10,000 pcs/reel | YES  |

## 10-pos straight plug connector



◆ This product consists of six parts.  
(Housing, S insulation case, outer terminal, shield cover, shield plate, center terminal)

### Housing

| Part No.    | HRS No.    | Material | Color     | Packaging | RoHS |
|-------------|------------|----------|-----------|-----------|------|
| GT32-10S-HU | 782-0003-7 | PBT      | Dark Gray | 1         | YES  |

### S insulation case

| Part No.      | HRS No.    | Material | Color      | Packaging | RoHS |
|---------------|------------|----------|------------|-----------|------|
| GT32-10S-1.5C | 782-0002-4 | PBT      | Light Gray | 1         | YES  |

### Outer terminal

| Part No.     | HRS No.    | Material     | Plating     | Outer Diameter | Packaging | RoHS |
|--------------|------------|--------------|-------------|----------------|-----------|------|
| GT32-10S-6CF | 782-0004-0 | Copper alloy | Tin plating | φ 5.4 to 5.8   | 1         | YES  |

### Shield cover

| Part No.    | HRS No.    | Material | Plating     | Packaging | RoHS |
|-------------|------------|----------|-------------|-----------|------|
| GT32-10S-SC | 782-0005-2 | Brass    | Tin plating | 1         | YES  |

### Shield plate

| Part No.    | HRS No.    | Material | Plating     | Packaging | RoHS |
|-------------|------------|----------|-------------|-----------|------|
| GT32-10S-SP | 782-0006-5 | Brass    | Tin plating | 1         | YES  |

### Center terminal

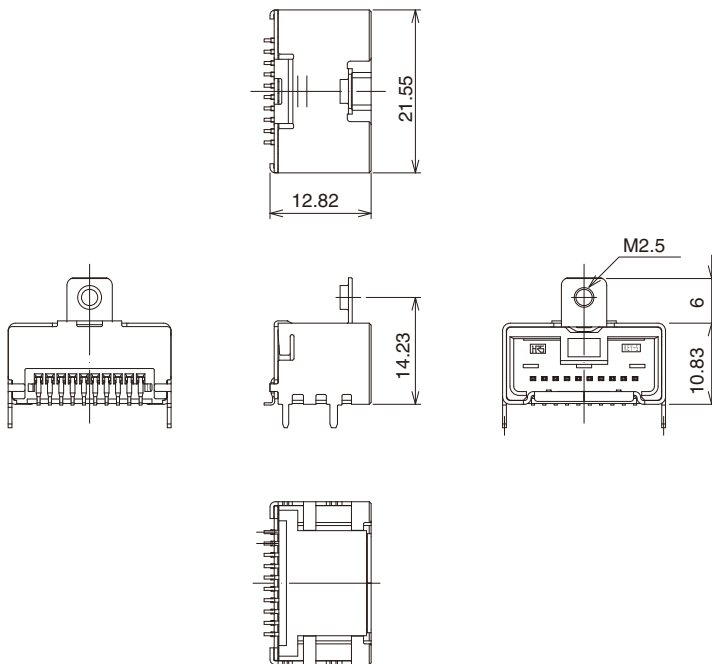
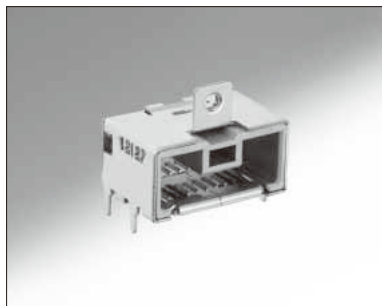
| Part No.     | HRS No.    | Material     | Plating     | Conductor Size (AWG) | Outer Diameter | Packaging       | RoHS |
|--------------|------------|--------------|-------------|----------------------|----------------|-----------------|------|
| GT32-2428SCF | 782-0007-8 | Copper alloy | Tin plating | 24 to 28 AWG         | φ 0.8 to 1.0   | 10,000 pcs/reel | YES  |

## Mating table

| Color      | Cable connector | Board connector                   |
|------------|-----------------|-----------------------------------|
| Light Gray | GT32-10S-ASSY   | Right-angle type<br>GT32-10P-1.5H |

## ■ 10-pos board connector (right-angle SMT type)

● M2.5 screw flange type

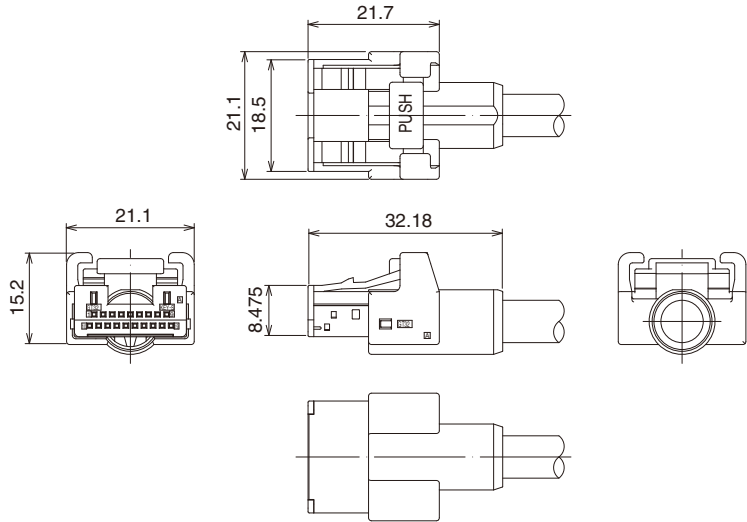
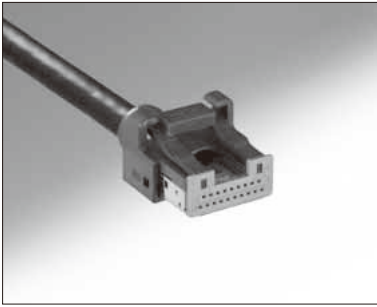


| Part No.      | HRS No.    | Color      | Material/Plating  | Packaging | RoHS |
|---------------|------------|------------|---|-----------|------|
| GT32-10P-1.5H | 782-0001-1 | Light Gray | Housing : PPS<br>Center terminal : Brass/Tin plating<br>Outer terminal : Copper alloy/Tin plating | 1         | YES  |

Feb. 1, 2020 Copyright 2020 HRS ELECTRIC CO., LTD. All Rights Reserved. For Network, High speed communication

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

## ■ 19-pos straight connector



◆ This product consists of six parts.  
(Housing, S insulation case A, S insulation case B, outer terminal, shield cover, center terminal)

### ● Housing

| Part No.     | HRS No.    | Material | Color     | Packaging | RoHS |
|--------------|------------|----------|-----------|-----------|------|
| GT32-19DS-HU | 782-0013-0 | PBT      | Dark Gray | 1         | YES  |

### ● S insulation case A

| Part No.         | HRS No.    | Material | Color      | Packaging | RoHS |
|------------------|------------|----------|------------|-----------|------|
| GT32-19DS-0.75CA | 782-0010-2 | PBT      | Light Gray | 1         | YES  |

### ● S insulation case B

| Part No.         | HRS No.    | Material | Color      | Packaging | RoHS |
|------------------|------------|----------|------------|-----------|------|
| GT32-19DS-0.75CB | 782-0014-3 | PBT      | Light Gray | 1         | YES  |

### ● Outer terminal

| Part No.      | HRS No.    | Material     | Plating     | Outer Diameter | Packaging | RoHS |
|---------------|------------|--------------|-------------|----------------|-----------|------|
| GT32-19DS-7CF | 782-0011-5 | Copper alloy | Tin plating | φ 6.8 to 7.2   | 1         | YES  |

### ● Shield cover

| Part No.     | HRS No.    | Material | Plating     | Packaging | RoHS |
|--------------|------------|----------|-------------|-----------|------|
| GT32-19DS-SC | 782-0012-8 | Brass    | Tin plating | 1         | YES  |

### ● Center terminal

| Part No.     | HRS No.    | Material     | Plating     | Conductor Size (AWG) | Outer Diameter | Packaging       | RoHS |
|--------------|------------|--------------|-------------|----------------------|----------------|-----------------|------|
| GT32-2428SCF | 782-0007-8 | Copper alloy | Tin plating | 24 to 28 AWG         | φ 0.8 to 1.0   | 10,000 pcs/reel | YES  |

## ◆ Mating table

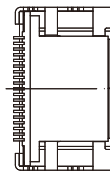
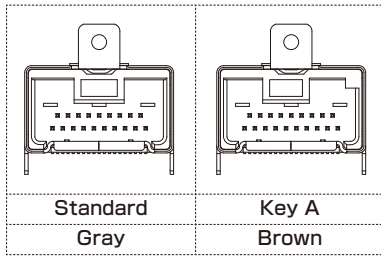
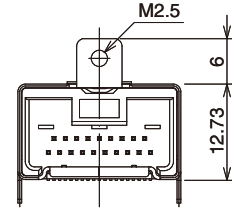
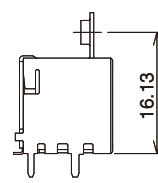
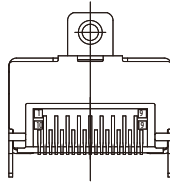
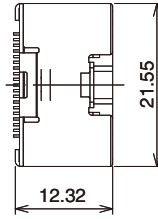
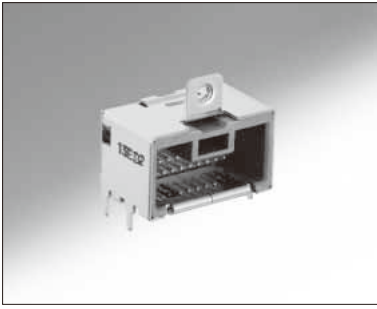
| Color      | Cable connector | Board connector  |                   |
|------------|-----------------|------------------|-------------------|
|            |                 | Right-angle type | DIP type          |
| Light Gray | GT32-19DS-ASSY  | GT32-19DP-0.75H  | GT32-19DP-0.75DSA |

GT5  
GT13  
GT16  
PO5G  
GT19  
GT21  
GT26  
GT36  
GT111  
GT117  
GT32  
GT3  
GT7  
GT10  
GT18W  
GT25  
GT8E  
GT9  
GT15

For Network, High speed communication

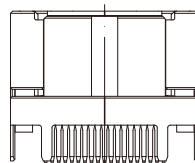
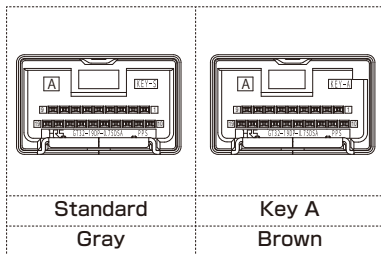
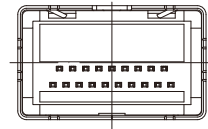
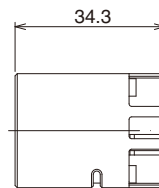
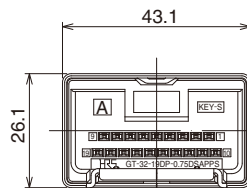
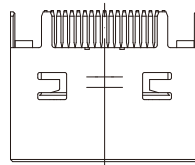
## ■ 19-pos board connector (right-angle SMT type)

### ● M2.5 screw flange type



| Part No.           | HRS No.    | Color | Material/Plating   | Packaging | RoHS |
|--------------------|------------|-------|--|-----------|------|
| GT32-19DP-0.75H    | 782-0009-3 | Gray  | Housing : PA<br>Center terminal : Brass/Tin plating<br>Outer terminal : Copper alloy/Tin plating | 1         | YES  |
| GT32-19DP-0.75H(A) | 782-0015-6 | Brown |  |           |      |

## ■ 19-pos board connector (straight DIP type)

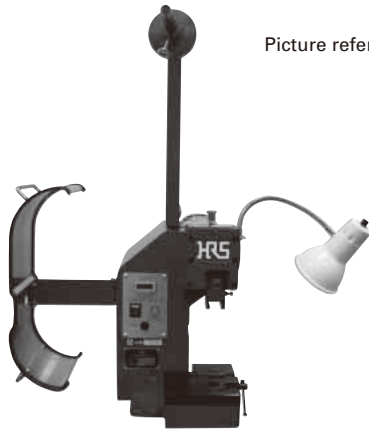


| Part No.              | HRS No.    | Color | Material/Plating  | Packaging | RoHS |
|-----------------------|------------|-------|---|-----------|------|
| GT32-19DP-0.75DSA     | 782-0037-9 | Gray  | Housing : PPS<br>Center terminal : Brass/Tin plating<br>Outer terminal : Copper alloy/Tin plating | 1         | YES  |
| GT32-19DP-0.75DSA (A) | 782-0045-7 | Brown |   |           |      |

## ◆ Crimping tools

Operation manuals are available for each crimp tool. Please contact sales personnel.

### ● Automatic Crimping Machine



Picture reference only

#### Specifications

| Item              | Specification         | Remarks       |
|-------------------|-----------------------|---------------|
| Press capacity    | 1.5Ton                |               |
| Stroke length     | 30mm                  |               |
| Number of strokes | 200spm (50Hz)         | 240spm (60Hz) |
| Weight            | 75kg                  |               |
| Motor             | 0.2kW                 | AC100V        |
| Crimping speed    | 2000 to 4000 pcs/hour |               |

Part No. CM-105C

Note : Please refer to the table below for applicator product numbers.

#### Applicator (for use with the automatic crimping machine)

| Terminal Product No. | Terminal HRS No. | Tool Product No. | Tool HRS No.  |
|----------------------|------------------|------------------|---------------|
| GT32-2428SCF         | 782-0007-8       | AP105-GT32-2428S | 901-5223-2 00 |

Note 1 : The crimp height is to be set for each cable type. Please request your contact person for details.

Note 2 : The P/N for applicator/tool may differ from the above P/N depending on the cable specification.

#### Special terminal insertion tool for GT32-10S-1.5C

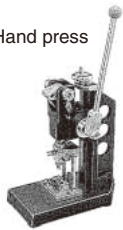
| Terminal Product No. | Terminal HRS No. | Tool No.       | Tool HRS No. |
|----------------------|------------------|----------------|--------------|
| GT32-2428SCF         | 782-0007-8       | GT32-CON/PR-MD | 902-5125-0   |

\* This product is used only to insert GT32-2428SCF terminal into S insulation case GT32-10S-1.5C.

Please note that this product cannot be used for other terminals and insulation cases.

### ● Hand press

Hand press



Product No. HOS-7

#### Outer terminal applicator (for hand press mounting)

| Product Part No. | Product HRS No. | Tool Part No.                              | Tool HRS No.                   |
|------------------|-----------------|--|--------------------------------|
| GT32-10S-6CF     | 782-0004-0      | GT32-10S-6/CR-MP<br>GT32-10S-6/CR-MP(01)   | 902-5118-4 00<br>902-5118-4 01 |
| GT32-19DS-7CF    | 782-0011-5      | GT32-19DS-7/CR-MP<br>GT32-19DS-7/CR-MP(01) | 902-5124-7 00<br>902-5124-7 01 |

Note 1 : (01) version is to be supplied with the hand press "HOS-7".

Note 2 : The crimp height is to be set for each cable type. Please request your contact person for details.

Note 3 : The P/N for applicator/tool may differ from the above P/N depending on the cable specification.