

GT21 Series

Compact Coaxial Cable Connector for Automotive Antenna



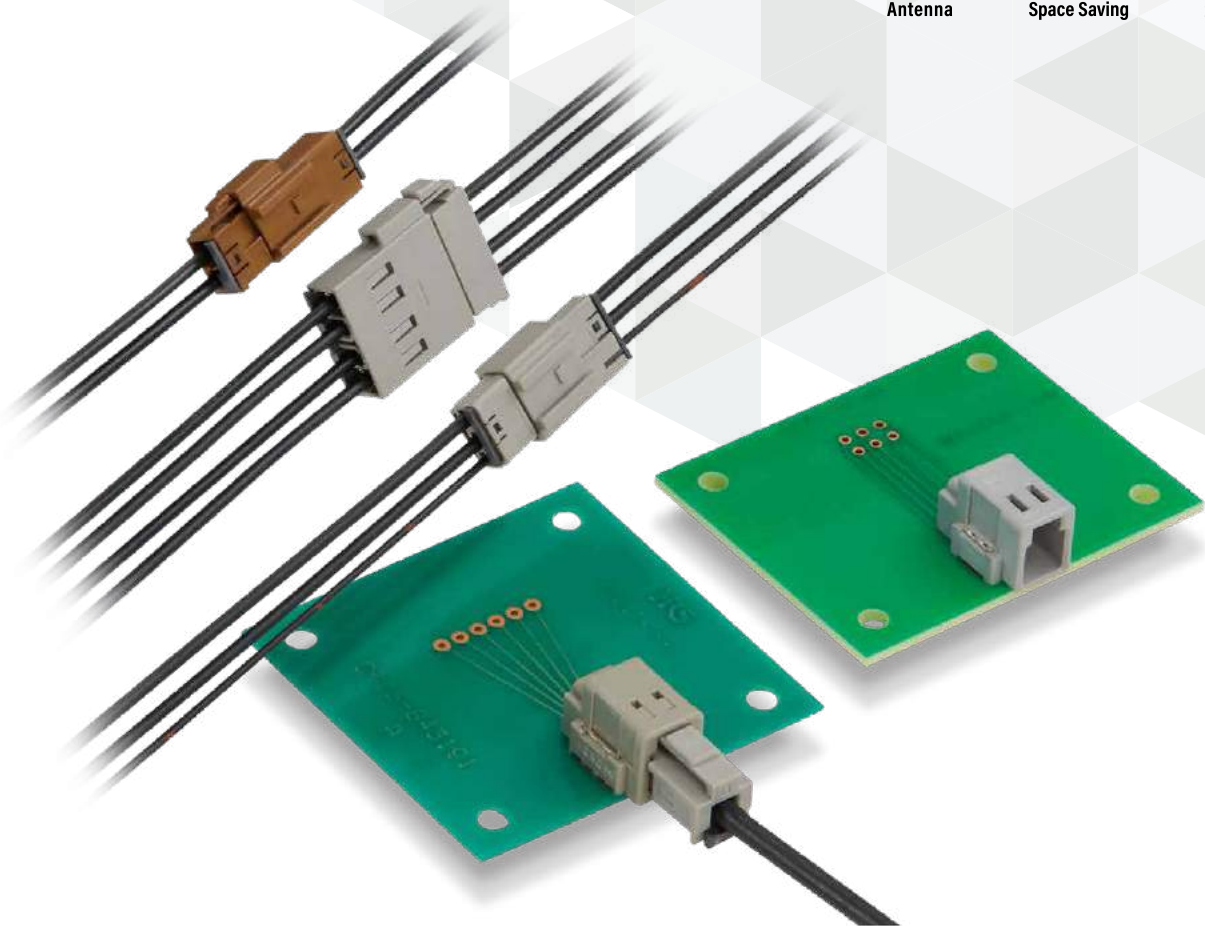
Antenna



Space Saving



2.5 GHz



Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Россия +7(495)268-04-70

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Казахстан +7(7172)727-132

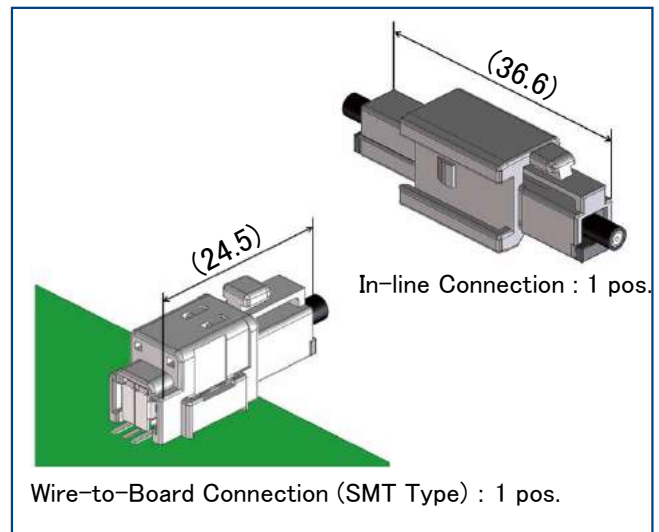
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Киргизия +996(312)96-26-47

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Хабаровск (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

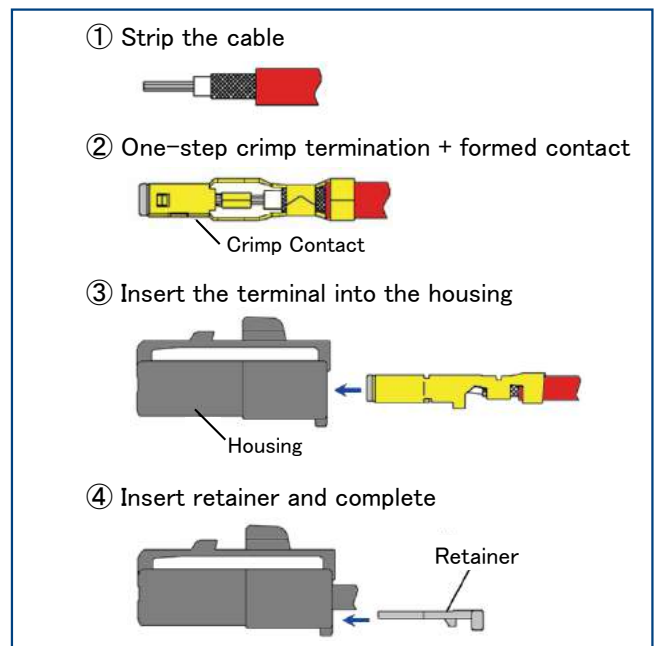
Features

1. Compact Space-Saving Design



2. One-Step Crimping for Both Internal & External Conductors

The cable assembly process avoids any contact with the internal conductor, ensuring consistent conductor positioning regardless of the operator's experience. This method not only contributes to stable cable assembly quality but also significantly shortens the harnessing time.



3. Superior High-Frequency Performance

V.S.W.R. is less than 1.5 at 0 to 2.5GHz.

4. Diverse Options Available

- Coaxial Line : 1 to 4 pos.
- Supports both wire-to-board and in-line connections.
- Hybrid power supply line type also offered.
- Design includes mating key to prevent incorrect insertion.
- Applicable Cables : 0.8D, 1.5C, 1.5D, RG174, etc.

Application

Terrestrial Digital TV, Radio, Automotive Sensors (Temperature, Pressure ···, etc.), VICS, GPS, Bluetooth, TEL, Satellite Radio, etc.

Product Specifications

Rated Current	Signal : 1A Power : 3A	Operating Temperature (Note 1)	-40 to +105°C
Rated Voltage	250V DC		

Item	Specification	Conditions
Contact Resistance	30m Ω Max.	Measured at 1A DC
Insulation Resistance	100M Ω Min.	Measured at 500V DC
Withstanding Voltage	No insulation breakdown	500V AC for 1 min.
Mating Durability	Contact Resistance : 60m Ω Max.	30 times insertion and extraction

Note 1 : Includes temperature rise due to current flow.

Note 2 : After environmental and endurance tests, the contact resistance of the outer conductor is 120m Ω Max.

Materials / Finish

Product	Part	Material	Color / Finish
Receptacle	Insulator	PPS, PA	Light Gray, Brown, Green, Blue, Black
	Center Terminal	Copper Alloy	Tin Plating
	External Terminal	Copper Alloy	Tin Plating
	Retention Tab	Copper Alloy	Tin Plating
Plug	Housing	PBT	Light Gray, Brown, Green, Blue, Black
Jack (In-line Type)	Housing	PBT	Light Gray, Brown, Green, Blue, Black
Retainer		PBT	Dark Gray
Coaxial Terminal	Insulator	PPS, PBT	Black
	Center Terminal	Phosphor Bronze, Brass	Tin Plating
	Outer Cylinder Terminal	Brass	Tin Plating
Power Terminal		Copper Alloy, Brass	Tin Plating

Product Number Structure

Refer to the chart below when determining the product specifications from the product number.
Please select from the product numbers listed in this catalog when placing orders.

Connector

GT21 - 1 P - DS (A)

① ② ③ ④ ⑤

Coaxial Terminal

GT21 - 2428 / 1.6 - 2.9 SCF

① ⑥ ⑦ ⑧ ⑨

Power Terminal

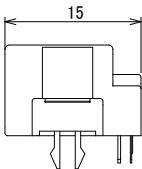
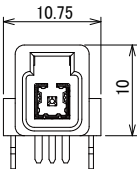
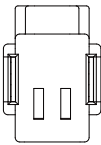
GT7 - 2022 SCF

① ⑥ ⑨

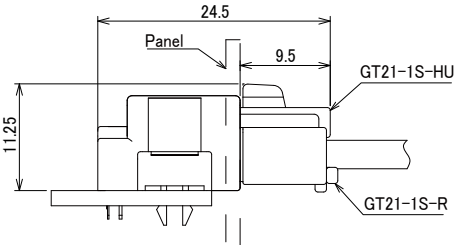
① Series Name	GT21 GT7	⑥ Applicable Cable : Core Wire Size	30 : 30 AWG 2428 : 24 to 28 AWG 2426 : 24 to 26 AWG 2022 : 20 to 22 AWG
② No. of Pos.	Coaxial : 1, 2, 3, 4 pos. 1/1 : Coaxial 1 pos. + Power 1 pos. 2/1 : Coaxial 2 pos. + Power 1 pos. 4D/1 : Coaxial 4 pos. (2 rows) + Power 1 pos.	⑦ Applicable Cable : Insulation Outer Diameter	0.7 : Approximately ϕ 0.7mm 1.1 : Approximately ϕ 1.1mm 1.6 : Approximately ϕ 1.6mm
③ Connector Type	P : Receptacle S : Plug PP : Jack (In-line Type)	⑧ Applicable Cable : Cable Jacket Outer Diameter	1.5 : Approximately ϕ 1.5mm 2.2 : Approximately ϕ 2.2mm 2.9 : Approximately ϕ 2.9mm
④ Part Type	DS : Right Angle THT H : Right Angle SMT HU : Housing R : Retainer	⑨ Contact Shape	SCF : Female Contact PCF : Male Contact
⑤ Mating Key	None : Standard, A, B, C		

Coaxial 1 pos.

Receptacle / THT Type

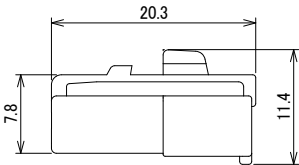
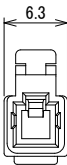
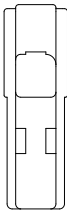


Mating Dimensions Diagram



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21-1P-DS	CL0771-0007-4-00	Light Gray	Standard	120pcs per tray
GT21-1P-DS(A)	CL0771-0020-2-00	Brown	A Key	
GT21-1P-DS(B)	CL0771-0021-5-00	Green	B Key	
GT21-1P-DS(C)	CL0771-0022-8-00	Blue	C Key	

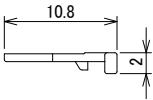
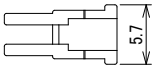
Plug



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21-1S-HU	CL0771-0005-9-00	Light Gray	Standard	100pcs per bag
GT21-1S-HU(A)	CL0771-0031-9-00	Brown	A Key	
GT21-1S-HU(B)	CL0771-0032-1-00	Green	B Key	
GT21-1S-HU(C)	CL0771-0033-4-00	Blue	C Key	

Note 1 : Compatible coaxial terminal is GT21-30/1.1-2.2SCF, GT21-30/1.6-2.9SCF, GT21-30/1.6-2.9SCF(ID), GT21-2428/1.6-2.9SCF, GT21B-2426/1.6-2.9SCF.
Note 2 : Use with the retainer (GT21-1S-R), sold separately.

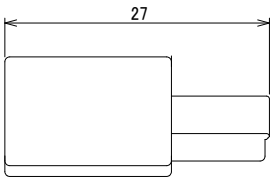
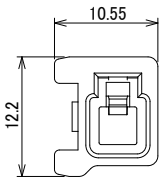
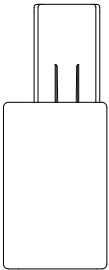
Retainer



Part No.	HRS No.	Color	Purchase Unit
GT21-1S-R	CL0771-0006-1-00	Dark Gray	100pcs per bag

Note : Attach to the plug (GT21-1S-HU(#)), sold separately.

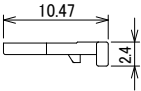
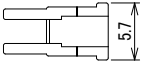
In-line Jack (Bracket N Type)



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21N-1PP-HU	CL0771-0015-2-00	Light Gray	Standard	100pcs per bag
GT21N-1PP-HU(A)	CL0771-0042-0-00	Brown	A Key	
GT21N-1PP-HU(B)	CL0771-0043-0-00	Green	B Key	
GT21N-1PP-HU(C)	CL0771-0050-0-00	Blue	C Key	

Note 1 : Compatible coaxial terminal is GT21-30/0.7-1.5PCF, GT21-30/1.6-2.9PCF, GT21-30/1.6-2.9PCF(ID), GT21-2428/1.6-2.9PCF, GT21B-2426/1.6-2.9PCF.
Note 2 : Use with the retainer (GT21-1P-R), sold separately.

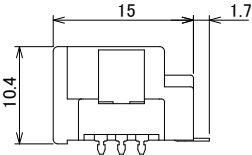
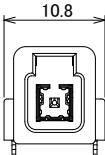
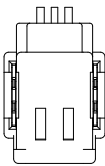
Retainer



Part No.	HRS No.	Color	Purchase Unit
GT21-1P-R	CL0771-0016-5-00	Dark Gray	100pcs per bag

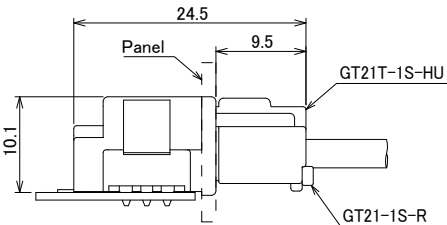
Note : Attach to the in-line jack (GT21N-1PP-HU(#)), sold separately.

Receptacle / SMT+THR (Through Hole Reflow) Type



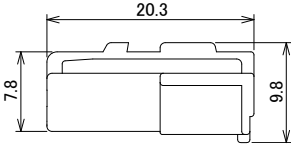
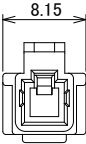
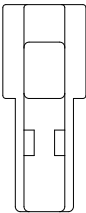
(Example of product appearance.)

Mating Dimensions Diagram



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21T-1P-H(55)	CL0771-0014-0-55	Light Gray	Standard	400pcs per reel
GT21T-1P-H(C)(55)	CL0771-0067-6-55	Blue	C Key	

Plug

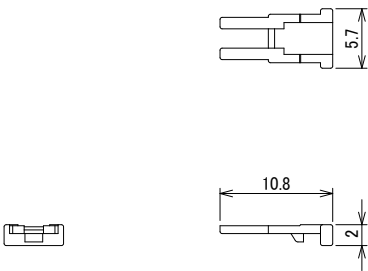


(Example of product appearance.)

Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21T-1S-HU	CL0771-0018-0-00	Light Gray	Standard	100pcs per bag
GT21-1S-HU(C)	CL0771-0033-4-00	Blue	C Key	

Note 1 : Compatible coaxial terminal is GT21-30/1.1-2.2SCF, GT21-30/1.6-2.9SCF, GT21-30/1.6-2.9SCF(ID), GT21-2428/1.6-2.9SCF, GT21B-2426/1.6-2.9SCF.
Note 2 : Use with the retainer (GT21-1S-R), sold separately.

Retainer

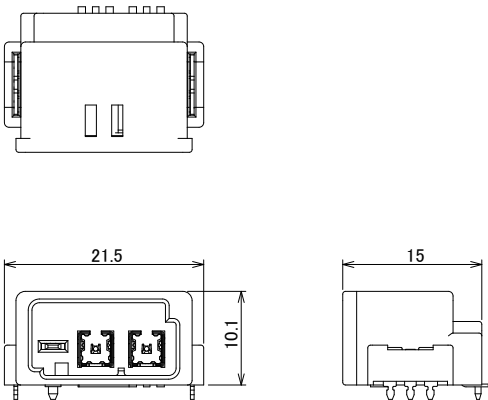


Part No.	HRS No.	Color	Purchase Unit
GT21-1S-R	CL0771-0006-1-00	Dark Gray	100pcs per bag

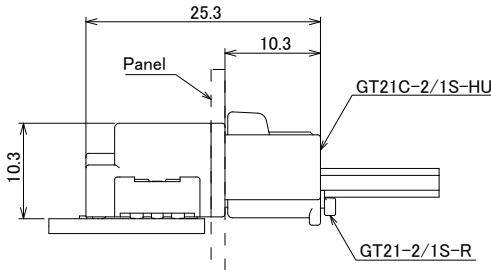
Note : Attach to the plug (GT21T-1S-HU, GT21-1S-HU(C)), sold separately.

Coaxial 2 pos. + Power 1 pos.

Receptacle / SMT+THR (Through Hole Reflow) Type

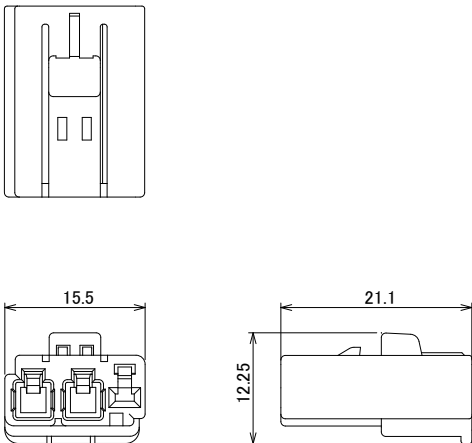


Mating Dimensions Diagram



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21-2/1P-H	CL0771-0086-0-00	Black	Standard	250pcs per reel

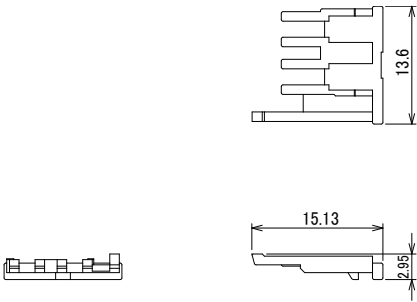
Plug



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21C-2/1S-HU	CL0771-0100-0-00	Black	Standard	100pcs per bag

Note 1 : Compatible coaxial terminal is GT21-30/1.1-2.2SCF, GT21-30/1.6-2.9SCF, GT21-30/1.6-2.9SCF(ID), GT21-2428/1.6-2.9SCF, GT21B-2426/1.6-2.9SCF.
Note 2 : Compatible power terminal is GT7-2022SCF(70), GT7A-2022SCF(70).
Note 3 : Use with the retainer (GT21-2/1S-R), sold separately.

Retainer

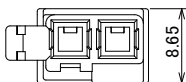
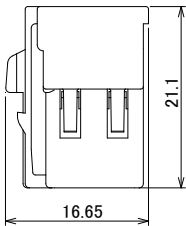


Part No.	HRS No.	Color	Purchase Unit
GT21-2/1S-R	CL0771-0059-8-00	Dark Gray	100pcs per bag

Note : Attach to the plug (GT21C-2/1S-HU), sold separately.

Coaxial 2 pos. [GT21A In-line Connection]

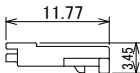
Plug



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21A-2S-HU	CL0771-0044-0-00	Light Gray	Standard	100pcs per bag
GT21A-2S-HU(A)	CL0771-0048-1-00	Brown	A Key	
GT21A-2S-HU(B)	CL0771-0068-9-00	Green	B Key	

Note 1 : The maximum cable diameter is Signal No. 1 : ϕ 5.2 and Signal No.2 : ϕ 3.1.
Note 2 : Compatible coaxial terminal is GT21-30/1.1-2.2SCF, GT21-30/1.6-2.9SCF, GT21-30/1.6-2.9SCF(ID), GT21-2428/1.6-2.9SCF, GT21B-2426/1.6-2.9SCF.
Note 3 : Use with the retainer (GT21A-2S-R), sold separately.

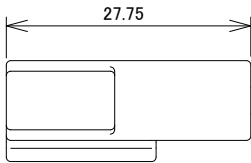
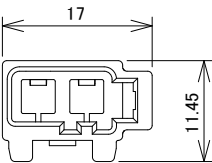
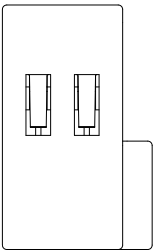
Retainer



Part No.	HRS No.	Color	Purchase Unit
GT21A-2S-R	CL0771-0046-6-00	Dark Gray	100pcs per bag

Note : Attach to the plug (GT21A-2S-HU(#)), sold separately.

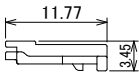
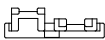
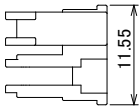
In-line Jack (Bracket N Type)



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21AN-2PP-HU	CL0771-0045-3-00	Light Gray	Standard	100pcs per bag
GT21AN-2PP-HU(A)	CL0771-0049-4-00	Brown	A Key	
GT21AN-2PP-HU(B)	CL0771-0069-1-00	Green	B Key	

Note 1 : The maximum cable diameter is Signal No. 1 : ϕ 5.2 and Signal NO.2 : ϕ 3.1.
Note 2 : Compatible coaxial terminal is GT21-30/0.7-1.5PCF, GT21-30/1.6-2.9PCF, GT21-30/1.6-2.9PCF(ID), GT21-2428/1.6-2.9PCF, GT21B-2426/1.6-2.9PCF.
Note 3 : Use with the retainer (GT21A-2P-R), sold separately.

Retainer

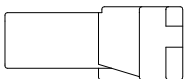
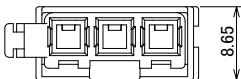
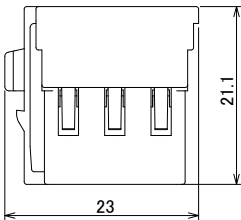


Part No.	HRS No.	Color	Purchase Unit
GT21A-2P-R	CL0771-0047-9-00	Dark Gray	100pcs per bag

Note : Attach to the in-line jack (GT21AN-2PP-HU(#)), sold separately.

Coaxial 3 pos. [GT21A In-line Connection]

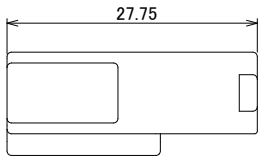
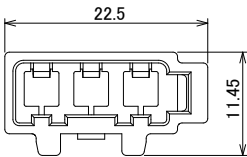
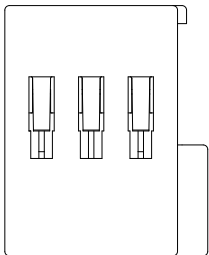
Plug



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21A-3S-HU	CL0771-0036-2-00	Light Gray	Standard	100pcs per bag

Note 1 : The maximum cable diameter is Signal No. 1 : ϕ 5.2, Signal No. 2 : ϕ 3.1, and Signal No. 3 : ϕ 5.2.
Note 2 : Compatible coaxial terminal is GT21-30/1.1-2.2SCF, GT21-30/1.6-2.9SCF, GT21-30/1.6-2.9SCF(ID), GT21-2428/1.6-2.9SCF, GT21B-2426/1.6-2.9SCF.
Note 3 : Use with the retainer (GT21A-3P/S-R), sold separately.

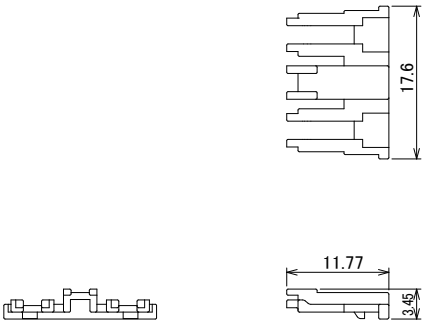
In-line Jack (Bracket N Type)



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21AN-3PP-HU	CL0771-0037-5-00	Light Gray	Standard	100pcs per bag

Note 1 : The maximum cable diameter is Signal No. 1 : ϕ 5.2, Signal No. 2 : ϕ 3.1, and Signal No. 3 : ϕ 5.2.
Note 2 : Compatible coaxial terminal is GT21-30/0.7-1.5PCF, GT21-30/1.6-2.9PCF, GT21-30/1.6-2.9PCF(ID), GT21-2428/1.6-2.9PCF, GT21B-2426/1.6-2.9PCF.
Note 3 : Use with the retainer (GT21A-3P/S-R), sold separately.

Retainar

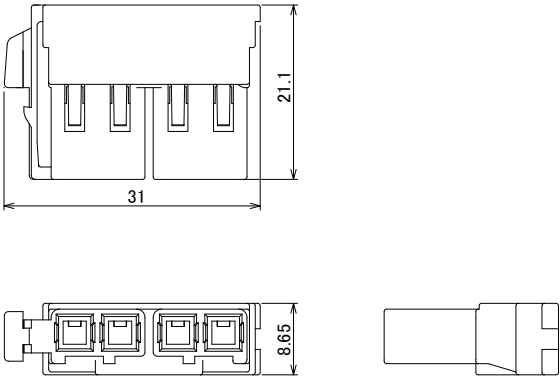


Part No.	HRS No.	Color	Purchase Unit
GT21A-3P/S-R	CL0771-0038-8-00	Dark Gray	100pcs per bag

Note : Attach to the plug (GT21A-3S-HU) and in-line jack (GT21AN-3PP-HU), sold separately.

Coaxial 4 pos. [GT21A In-line Connection]

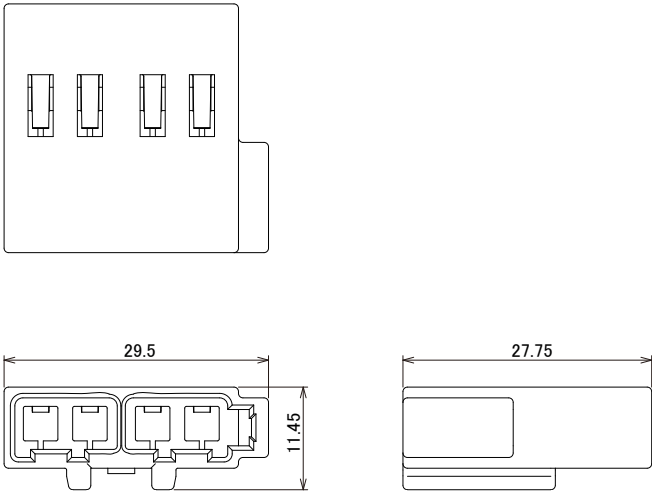
Plug



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21A-4S-HU	CL0771-0063-5-00	Light Gray	Standard	100pcs per bag

Note 1 : The maximum cable diameter is Signal No.1 : ϕ 5.2, Signal No.2 : ϕ 3.1, Signal No.3 : ϕ 3.1, and Signal No 4 : ϕ 5.2.
Note 2 : Compliant coaxial terminal is GT21-30/1.1-2.2SCF, GT21-30/1.6-2.9SCF, GT21-30/1.6-2.9SCF(ID), GT21-2428/1.6-2.9SCF, GT21B-2426/1.6-2.9SCF.
Note 3 : Use with the retainer (GT21A-4P/S-R), sold separately.

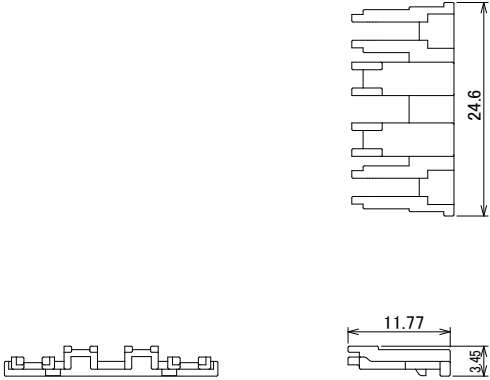
In-line Jack (Bracket N Type)



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21AN-4PP-HU	CL0771-0064-8-00	Light Gray	Standard	100pcs per bag

Note 1 : The maximum cable diameter is Signal No.1 : ϕ 5.2, Signal No.2 : ϕ 3.1, Signal No.3 : ϕ 3.1, and Signal No 4 : ϕ 5.2.
Note 2 : Compliant coaxial terminal is GT21-30/0.7-1.5PCF, GT21-30/1.6-2.9PCF, GT21-30/1.6-2.9PCF(ID), GT21-2428/1.6-2.9PCF, GT21B-2426/1.6-2.9PCF.
Note 3 : Use with the retainer (GT21A-4P/S-R), sold separately.

Retainer

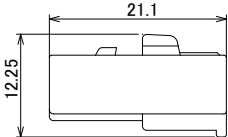
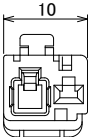
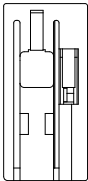


Part No.	HRS No.	Color	Purchase Unit
GT21A-4P/S-R	CL0771-0065-0-00	Dark Gray	100pcs per bag

Note : Attach to the plug (GT21A-4S-HU) and in-line jack (GT21AN-4PP-HU), sold separately.

Coaxial 1 pos. + Power 1 pos. [GT21C In-line Connection]

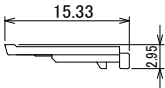
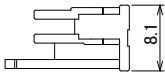
Plug



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21C-1/1S-HU	CL0771-0106-0-00	Black	Standard	100pcs per bag
GT21C-1/1S-HU(A)	CL0771-0107-0-00	Brown	A Key	

Note 1 : Compatible coaxial terminal is GT21-30/1.1-2.2SCF, GT21-30/1.6-2.9SCF, GT21-30/1.6-2.9SCF(ID), GT21-2428/1.6-2.9SCF, GT21B-2426/1.6-2.9SCF.
Note 2 : Compatible power terminal is GT7-2022SCF(70), GT7A-2022SCF(70).
Note 3 : Use with the retainer (GT21-1/1S-R), sold separately.

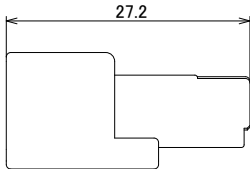
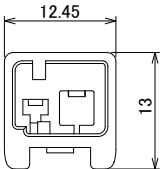
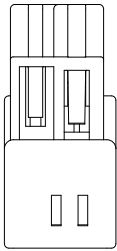
Retainer



Part No.	HRS No.	Color	Purchase Unit
GT21-1/1S-R	CL0771-0009-0-00	Dark Gray	100pcs per bag

Note : Attach to the plug (GT21C-1/1S-HU(#)), sold separately.

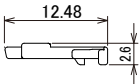
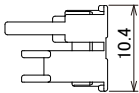
In-line Jack



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21CN-1/1PP-HU	CL0771-0108-0-00	Black	Standard	100pcs per bag
GT21CN-1/1PP-HU(A)	CL0771-0109-0-00	Brown	A Key	

Note 1 : Compatible coaxial terminal is GT21-30/0.7-1.5PCF, GT21-30/1.6-2.9PCF, GT21-30/1.6-2.9PCF(ID), GT21-2428/1.6-2.9PCF, GT21B-2426/1.6-2.9PCF.
Note 2 : Compatible power terminal is GT7-2022PCF(70), GT7A-2022PCF(70).
Note 3 : Use with the retainer (GT21-1/1P-R), sold separately.

Retainer

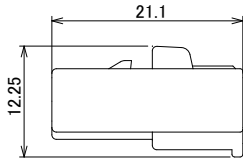
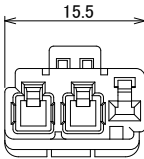
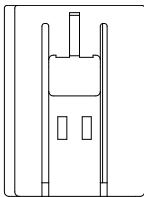


Part No.	HRS No.	Color	Purchase Unit
GT21-1/1P-R	CL0771-0076-7-00	Dark Gray	100pcs per bag

Note : Attach to the in-line jack (GT21CN-1/1PP-HU(#)), sold separately.

Coaxial 2 pos. + Power 1 pos. [GT21C In-line Connection]

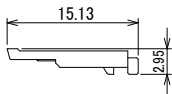
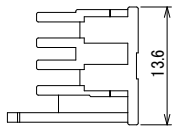
Plug



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21C-2/1S-HU	CL0771-0100-0-00	Black	Standard	100pcs per bag
GT21C-2/1S-HU(A)	CL0771-0101-0-00	Brown	A Key	
GT21C-2/1S-HU(B)	CL0771-0102-0-00	Green	B Key	

Note 1 : Compatible coaxial terminal is GT21-30/1.1-2.2SCF, GT21-30/1.6-2.9SCF, GT21-30/1.6-2.9SCF(ID), GT21-2428/1.6-2.9SCF, GT21B-2426/1.6-2.9SCF.
Note 2 : Compatible power terminal is GT7-2022SCF(70), GT7A-2022SCF(70).
Note 3 : Use with the retainer (GT21-2/1S-R), sold separately.

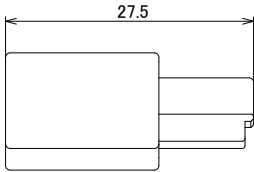
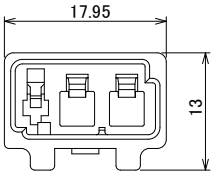
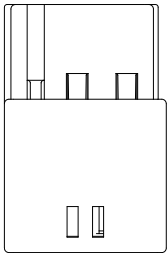
Retainer



Part No.	HRS No.	Color	Purchase Unit
GT21-2/1S-R	CL0771-0059-8-00	Dark Gray	100pcs per bag

Note : Attach to the plug (GT21C-2/1S-HU(#)), sold separately.

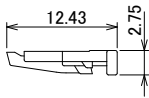
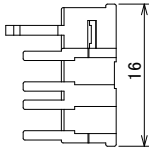
In-line Jack (Bracket N Type)



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21CN-2/1PP-HU	CL0771-0103-0-00	Black	Standard	100pcs per bag
GT21CN-2/1PP-HU(A)	CL0771-0104-0-00	Brown	A Key	
GT21CN-2/1PP-HU(B)	CL0771-0105-0-00	Green	B Key	

Note 1 : Compatible coaxial terminal is GT21-30/0.7-1.5PCF, GT21-30/1.6-2.9PCF, GT21-30/1.6-2.9PCF(ID), GT21-2428/1.6-2.9PCF, GT21B-2426/1.6-2.9PCF.
Note 2 : Compatible power terminal is GT7-2022PCF(70), GT7A-2022PCF(70).
Note 3 : Use with the retainer (GT21C-2/1P-R), sold separately.

Retainer

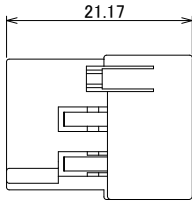
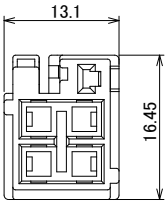
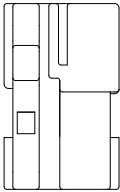


Part No.	HRS No.	Color	Purchase Unit
GT21C-2/1P-R	CL0771-0110-0-00	Dark Gray	100pcs per bag

Note : Attach to the in-line jack (GT21CN-2/1PP-HU(#)), sold separately.

Coaxial 4 pos. + Power 1 pos. [GT21C In-line Connection]

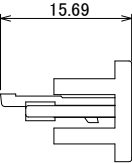
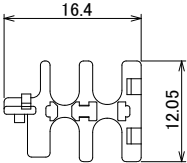
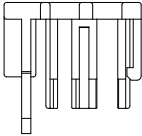
Plug



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21C-4D/1S-HU	CL0771-0094-0-00	Black	Standard	100pcs per bag
GT21C-4D/1S-HU(A)	CL0771-0095-0-00	Brown	A Key	
GT21C-4D/1S-HU(B)	CL0771-0096-0-00	Green	B Key	

Note 1 : Compatible coaxial terminal is GT21-30/1.1-2.2SCF, GT21-30/1.6-2.9SCF, GT21-30/1.6-2.9SCF(ID), GT21-2428/1.6-2.9SCF, GT21B-2426/1.6-2.9SCF.
 Note 2 : Compatible power terminal is GT7-2022SCF(70), GT7A-2022SCF(70).
 Note 3 : Use with the retainer (GT21C-4D/1S-R), sold separately.
 Note 4 : When assembling, be sure to check the following instruction manual.
 ETAD-T0472-00, ETAD-T0685-00, ETAD-T0735-00

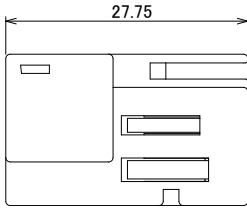
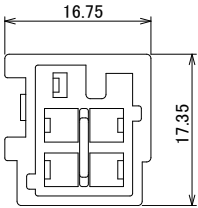
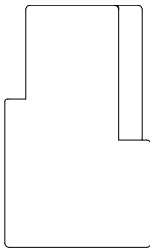
Retainer



Part No.	HRS No.	Color	Purchase Unit
GT21C-4D/1S-R	CL0771-0099-0-00	Dark Gray	100pcs per bag

Note : Attach to the plug (GT21C-4D/1S-HU(#)), sold separately.

In-line Jack



Part No.	HRS No.	Color	Mating Key	Purchase Unit
GT21CN-4D/1PP-HU	CL0771-0090-0-00	Black	Standard	100pcs per bag
GT21CN-4D/1PP-HU(A)	CL0771-0091-0-00	Brown	A Key	
GT21CN-4D/1PP-HU(B)	CL0771-0092-0-00	Green	B Key	

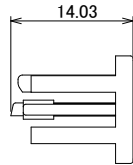
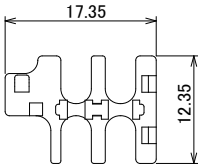
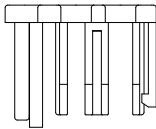
Note 1 : Compatible coaxial terminal is GT21-30/0.7-1.5PCF, GT21-30/1.6-2.9PCF, GT21-30/1.6-2.9PCF(ID), GT21-2428/1.6-2.9PCF, GT21B-2426/1.6-2.9PCF.

Note 2 : Compatible power terminal is GT7-2022PCF(70), GT7A-2022PCF(70).

Note 3 : Use with the retainer (GT21C-4D/1P-R), sold separately.

Note 4 : When assembling, be sure to check the following instruction manual.
ETAD-T0472-00, ETAD-T0685-00, ETAD-T0735-00

Retainer

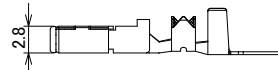
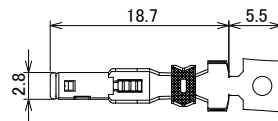


Part No.	HRS No.	Color	Purchase Unit
GT21C-4D/1P-R	CL0771-0098-0-00	Dark Gray	100pcs per bag

Note : Attach to the in-line jack (GT21CN-4D/1PP-HU(#)), sold separately.

Coaxial Terminal

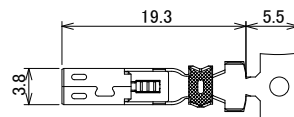
Female Terminal



(Example of product appearance.)

Part No.	HRS No.	Wire Size	Insulation Outer Diameter	Jacket Outer Diameter	Purchase Unit
GT21-30/1.1-2.2SCF	CL0771-0040-0-00	30 AWG Solid Wire	ϕ 1.0 to 1.4	ϕ 2.0 to 2.4	3,000pcs per reel
GT21-30/1.6-2.9SCF	CL0771-0012-4-00	30 AWG Stranded Wire	ϕ 1.5 to 2.0	ϕ 2.6 to 3.4	5,500pcs per reel
GT21-30/1.6-2.9SCF(ID)	CL0771-0057-2-00	30 AWG Solid Wire			
GT21-2428/1.6-2.9SCF	CL0771-0004-6-00	24 to 28 AWG			2,000pcs per reel
GT21B-2426/1.6-2.9SCF	CL0771-0087-0-00	24 to 26 AWG			

Male Terminal

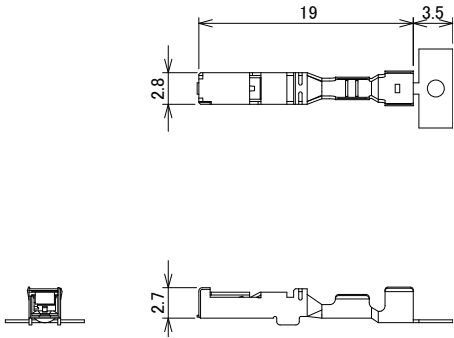
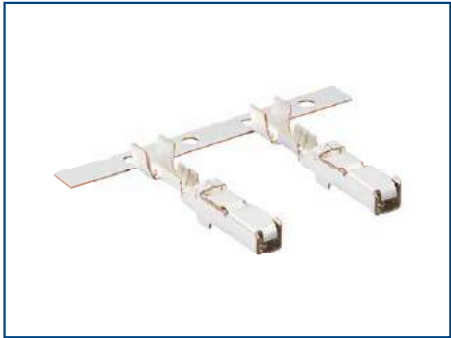


(Example of product appearance.)

Part No.	HRS No.	Wire Size	Insulation Outer Diameter	Jacket Outer Diameter	Purchase Unit
GT21-30/0.7-1.5PCF	CL0771-0056-0-00	30 AWG Stranded Wire	ϕ 0.6 to 0.9	ϕ 1.4 to 1.8	5,000pcs per reel
GT21-30/1.6-2.9PCF	CL0771-0051-6-00		ϕ 1.5 to 2.0	ϕ 2.6 to 3.4	
GT21-30/1.6-2.9PCF(ID)	CL0771-0066-3-00	30 AWG Solid Wire			
GT21-2428/1.6-2.9PCF	CL0771-0013-7-00	24 to 28 AWG			
GT21B-2426/1.6-2.9PCF	CL0771-0088-0-00	24 to 26 AWG			2,000pcs per reel

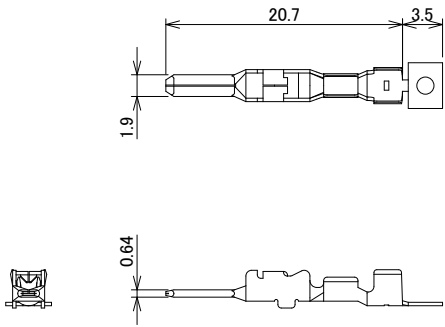
Power Terminal

Female Terminal



Part No.	HRS No.	Wire Size	Jacket Outer Diameter	Purchase Unit
GT7-2022SCF(70)	CL0757-0001-1-70	20 to 22 AWG	φ 1.4 to 2.4	5,000pcs per reel
GT7A-2022SCF(70)	CL0757-0003-7-70		φ 2.6 to 3.1	3,000pcs per reel

Male Terminal



Part No.	HRS No.	Wire Size	Jacket Outer Diameter	Purchase Unit
GT7-2022PCF(70)	CL0757-0002-4-70	20 to 22 AWG	φ 1.4 to 2.4	5,000pcs per reel
GT7A-2022PCF(70)	CL0757-0004-0-70		φ 2.6 to 3.1	3,000pcs per reel

GT36S Series

Compact Board Connector for Coaxial Line



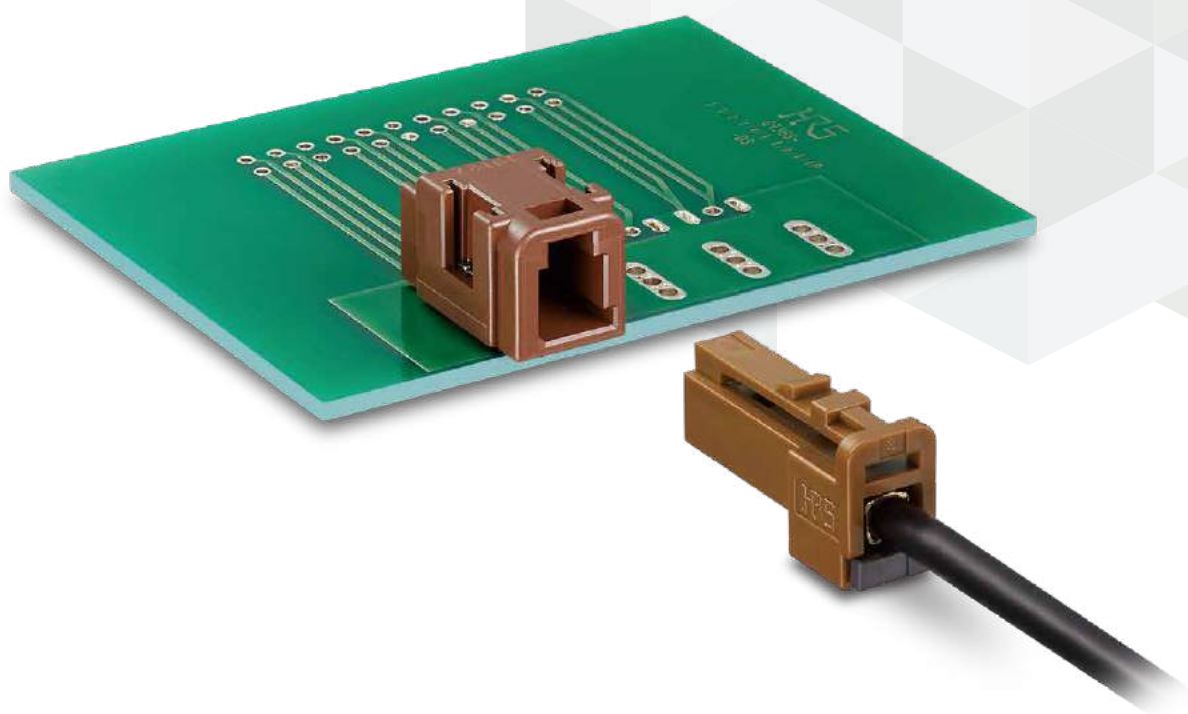
Space Saving



User Friendly



3 GHz

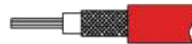


Features

1. Allows crimping of the center conductor and outer conductor in one step

Cable assembly can be completed without touching the center conductor. The positioning accuracy of the center conductor can be maintained regardless of the operator's skill level, contributing to stable cable assembly quality. Additionally, completing crimping of the center and outer conductor in one step reduces harnessing time.

①Strip the cable



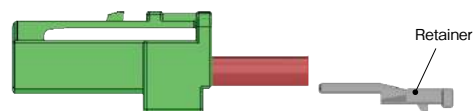
②One-step crimp termination+formed contact



③Insert the contact into the housing



④Insert the retainer to complete



One-step Termination for Quality Consistency and Reduced Labor Hours

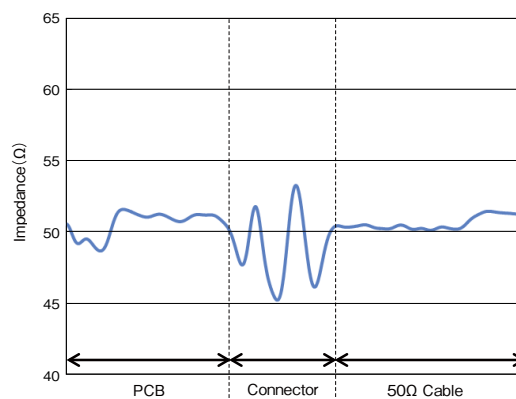
2. Space-saving Design

3. Excellent High Frequency Characteristics

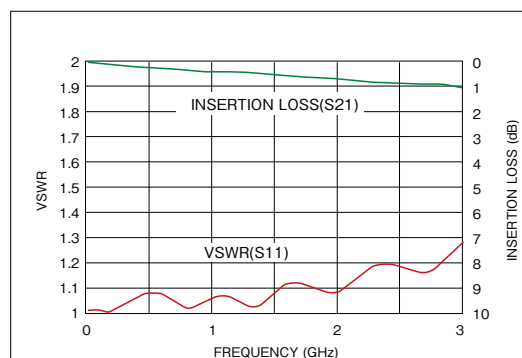
V.S.W.R.

DC to 3.0GHz : 1.5 Max.

Characteristic Impedance



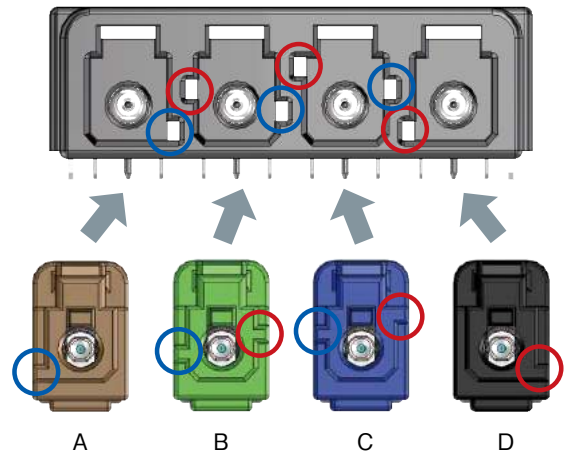
High Frequency



4. Four types of mating keys from A to D are available

Prevents incorrect mating even during blind mating

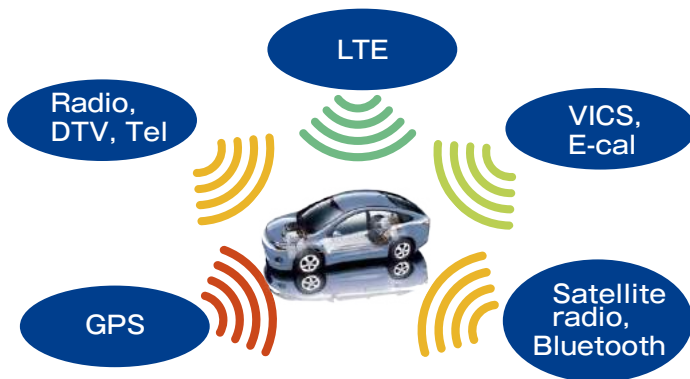
Receptacle : Coaxial 1pos. x 4 Chain Type



Plug : 4 Keying Options Available

Applications

Digital terrestrial TV, radio, automobile sensors (temperature, pressure, etc.), VICS, GPS, Bluetooth, TEL, satellite radio, etc.



Product Specifications

Rated Current	1A	Operating Temperature (Note 1)	-40 to +105°C
Rated Voltage	50V DC		

Items	Specifications	Conditions
Contact Resistance	50m Ω Max.	Measured at 1A DC
Insulation Resistance	100M Ω Min.	Measured at 500V DC
Withstanding Voltage	There shall be no dielectric breakdown.	Voltage of 500V AC for 1 min.
Mating Durability	Contact Resistance : 100m Ω Max.	30 Insertion/Extraction cycles
Vibration Resistance	No electrical discontinuity of 10 μ s or more. Contact Resistance : 100m Ω Max. No Damage, Cracks or Distortion of Parts	Frequency : 20 to 200Hz, Constant Acceleration of 43.1m/s ² , 3 hours in 3 directions
Thermal Shock	Contact Resistance : 100m Ω Max. No Damage, Cracks or Distortion of Parts	Temperature : -40 → +5 to +35 → +85 → +5 to +35°C Time : 30 → 5 → 30 → 5 minutes for 1000 cycles
Heat Resistance	Contact Resistance : 100m Ω Max. No Damage, Cracks or Distortion of Parts	Left at 105°C for 300 hours
Cold Resistance	Contact Resistance : 100m Ω Max. No Damage, Cracks or Distortion of Parts	Left at -40°C for 120 hours
Humidity Resistance	Contact Resistance : 100m Ω Max. Insulation Resistance : 100M Ω Min. No Damage, Cracks or Distortion of Parts	Left for 500 hours at a temperature of 60°C and a relative humidity humidity 90 to 95%

Note 1 : Includes temperature rise caused by current flow.

Note 2 : The contact resistance of the outer conductor after environment/durability testing is 150 m Ω or less.

Material/Finish

Component	Part	Material	Color / Finish	UL Standard
Receptacle	Central Terminal	Brass	Tin Plated	-
	Housing	PA	Natural	UL94V-0
	Outer Conductor Terminal	Brass	Tin Plated	-
	Housing	PA	Brown, Green, Blue, Black	UL94V-0
	Retention Tab	Brass	Tin Plated	-
Plug	Housing	PBT	Brown, Green, Blue, Black, Light Gray	UL94HB
Plug Retainer	Retainer	PBT	Dark Gray	UL94HB
Coaxial Terminal for Plugs	Central Terminal	Phosphor bronze	Tin Plated	-
	Housing	PA	Black	UL94V-0
	Outer Conductor Terminal	Brass	Tin Plated	-

Product Number Structure

Refer to the chart below when determining the product specifications from the product number.
Please select from the product numbers listed in this catalog when placing orders.

●Receptacle

GT36S - 1 P - DS (A)

① ② ③ ④ ⑤

① Series Name	GT36S	④ Terminal Shape	Right Angle THT Type
② Number of Connections	1 : 1 station 1 / 1 / 1 / 1 : 1 pos. x 4 chains	⑤ Mating Key	A, B, C, D : 1 type each ABCD : 4 types of A, B, C, D
③ Connector Type	P : Receptacle		

●Plug / Retainer

GT36S - 1 S - HU (A)

① ② ③ ④ ⑤

① Series Name	GT36S	④ Part type	HU : Housing
② No. of Pos.	1		R : Retainer
③ Connector Type	S : Plug	⑤ Mating Key	A, B, C, D, M (Note)

Note : GT36S-1S-HU (M) is a master key type without a mating key.

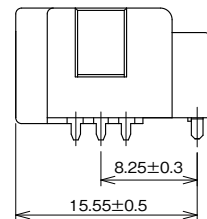
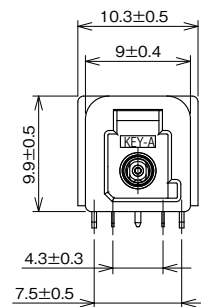
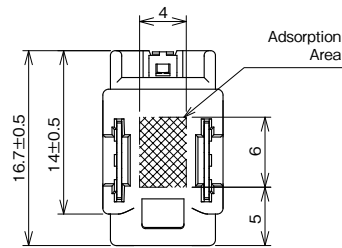
●Plug Coaxial Terminal

GT36S - 2426 / 1.6 - 2.9 SCF

① ② ③ ④ ⑤

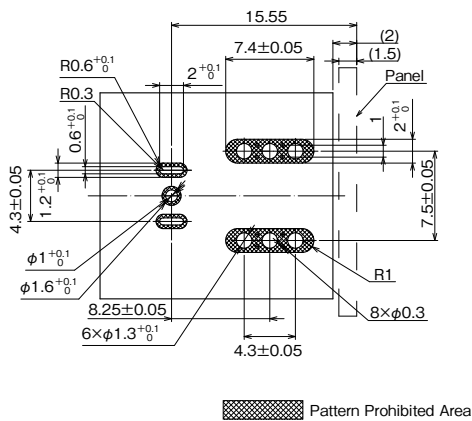
① Series Name	GT36S	④ Applicable Wire : Jacket Outer Diameter	Approximately ϕ 2.9mm
② Applicable Wire : Core Wire Size	24-26 AWG	⑤ Form Type / Packing Type	Socket contacts, reels
③ Applicable Wire : Insulation Outer Diameter	Approximately ϕ 1.6mm		

Receptacle

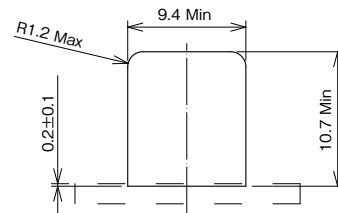


● Recommended PCB Layout

(Board thickness : 1.6 mm, Metal Mask Thickness : 0.15mm)

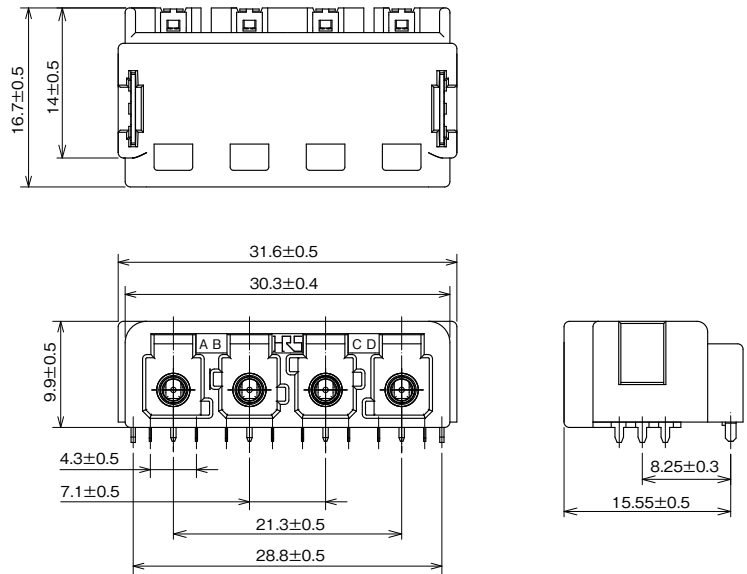


- Panel Mounting Dimensions



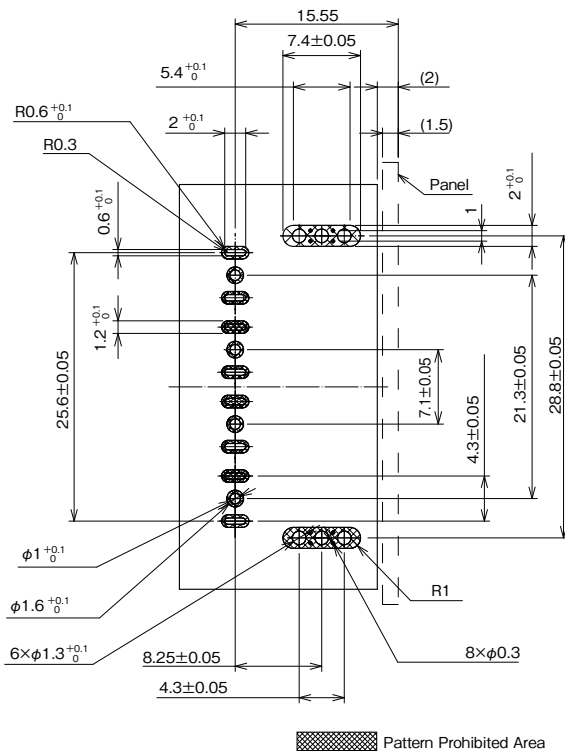
Part No.	HRS No.	Mating Key	Color	Purchase Unit
GT36S- 1P-DS(A)	CL0786-0046-0-00	A Key	Brown	70pcs per tray
GT36S- 1P-DS(B)	CL0786-0047-0-00	B Key	Green	
GT36S- 1P-DS(C)	CL0786-0048-0-00	C Key	Blue	
GT36S- 1P-DS(D)	CL0786-0049-0-00	D Key	Black	

Coaxial 1pos. x 4 Chain Type

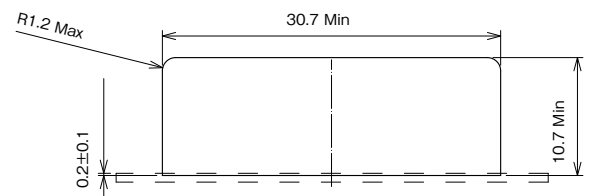


● Recommended PCB Layout

(Board thickness : 1.6 mm, Metal Mask Thickness : 0.15mm)



● Panel Mounting Dimensions



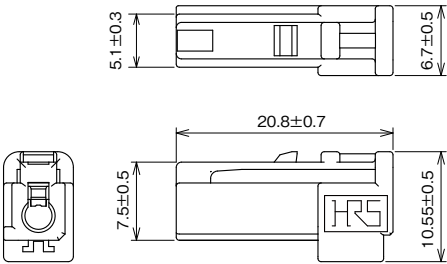
Part No.	HRS No.	Mating Key	Color	Purchase Unit
GT36S-1/1P-DS(AB)	Under Planning (Note)	2 Key Types : A and B	Black	-
GT36S-1/1/1P-DS(ABC)	Under Planning (Note)	3 Key Types : A, B and C		-
GT36S-1/1/1/1P-DS(ABCD)	CL0786-0090-0-00	4 Key Types : A, B, C and D		40pcs per tray

Note : Products without HRS No. are currently being planned for development. Please contact a Hirose representative regarding questions on pin count variation development.

Plug



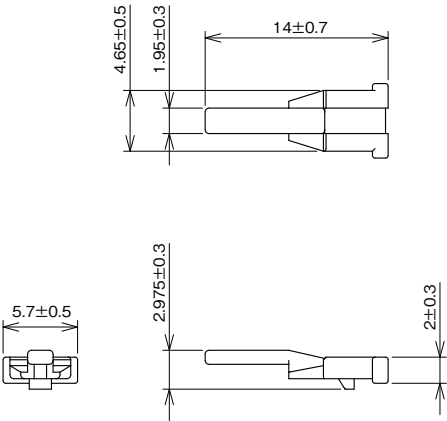
Shown with coaxial terminal inserted.



Part No.	HRS No.	Mating Key	Color	Purchase Unit
GT36S-1S-HU(A)	CL0786-0050-0-00	A Key	Brown	100pcs per bag
GT36S-1S-HU(B)	CL0786-0051-0-00	B Key	Green	
GT36S-1S-HU(C)	CL0786-0052-0-00	C Key	Blue	
GT36S-1S-HU(D)	CL0786-0086-0-00	D Key	Black	
GT36S-1S-HU(M) (Note)	CL0786-0093-0-00	M Key	Light Gray	

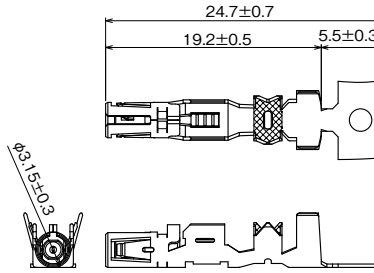
Note : GT36S-1S-HU(M) is a master key type without mating key.

Plug Retainer



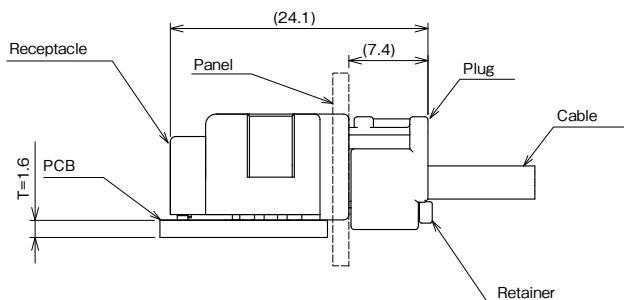
Part No.	HRS No.	Color	Purchase Unit
GT36S-1S-R	CL0786-0087-0-00	Dark Gray	100pcs per bag

Plug Coaxial Terminal



Part No.	HRS No.	Compatible Wire	Purchase Unit
GT36S-2426/1.6-2.9SCF	CL0786-0081-6-00	Core Wire Size : 24-26 AWG equivalent Insulator Outer Diameter : ϕ 1.5-2.0 Jacket Outer Diameter : ϕ 2.6-3.4	2,500pcs per reel

Mated Diagram

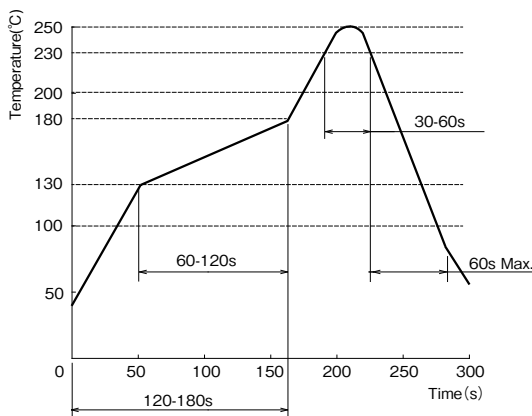


Applicable Crimping Tool

Type	Part No.	HRS No.	Compatible Terminal
Crimping Machine Body	CM-105C	CL0901-0001-0-00	-
Applicator	AP-GT36S-2426/1629S	CL0901-5233-0-00	GT36S-2426/1.6-2.9SCF
Terminal Stamping Tool	GT36S-1629S/FO-AD	CL0902-5139-0-00	GT36S-2426/1.6-2.9SCF

Note 1 : Conduct crimping based on the "Crimping Standards" and "Crimping Conditions Table".
Note 2 : Problems with tools not specified by Hirose are outside the scope of warranty.

Usage Precautions

Recommended Temperature Profile	 【Conditions】 1. Peak Temperature 250°C Peak 2. Heated part 230°C Min. 30-60s 3. Preheat Temperature 130 to 180°C, 60-120 sec. 4. Cycles 2 times Max.
Recommended Manual Soldering Conditions	Soldering Iron Temperature : 280 to 300°C , Soldering Time : Within 2 Seconds
Precautions	1. Excessive pull force during unmating may damage the connector. If it is difficult to remove, push in lightly once and then release the lock. 2. Always make sure to turn off the power before reinserting the connector. 3. Do not directly contact the terminal when electricity is flowing since it is extremely dangerous. 4. Contact a Hirose representative for harness procedures or handling manuals.

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