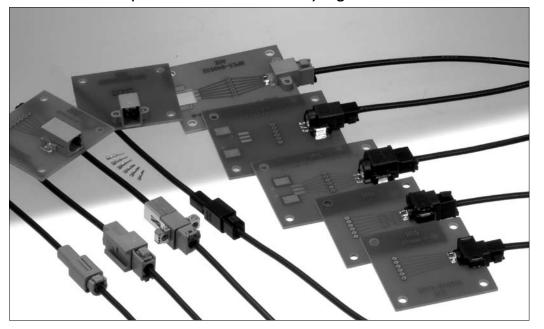
GT 22

GT16 Series

Subminiature Connectors for coaxial cables —

Several types and configurations: In-line, board mounted.
Multi-position and color/ keying variations. >



Features

- Space-saving Design
 - Compact and light weight comparing with HRS GT5 series.
- Excellent High Frequency Performance

Refer to V.S.W.R. data on the following pages.

Applications

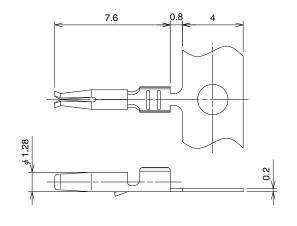
In-car communication, car sensors(temperature, pressure), automotive audio systems, GPS antenna systems, RACS antenna audio/video antenna systems, CRT displays, medical and measuring instrumentation LAN systems.

GT16 Series

■ F Connectors (Common Use)

Center terminal

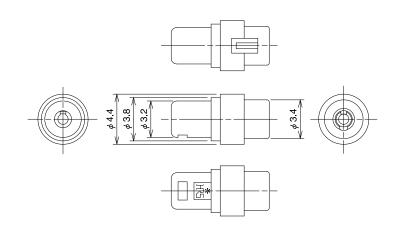




Part Number	HRS No.	Conductor Size	Material	Finish	Packaging	RoHS
GT16-2428SCF	766-0001-2	AWG#24-28	Phosphor bronze	Tin plating	10,000 pcs/reel	YES
GT16-30SCF	766-0055-1	AWG#30	Phosphor bronze	Tin plating	10,000 pcs/reel	ILS

Insulator (Common Use)



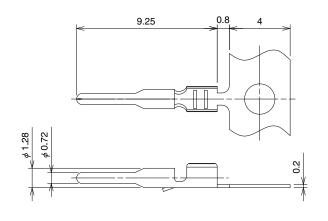


Part Number	HRS No.	Material	Color	Packaging	RoHS
GT16-SC	766-0002-5	PBT	White	1 piece	YES

■ M Connectors (Common Use)

Center Terminals

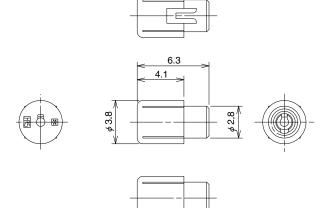




Part Number	HRS No.	Conductor Size	Material	Finish	Packaging	RoHS
GT16-2428PCF	766-0006-6	AWG#24-28	Brass	Tin plating	10,000 pcs/reel	YES
GT16-30PCF	766-0015-7	AWG#30	Brass	Tin plating	10,000 pcs/reel	TES

● Insulator (Common Use)



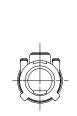


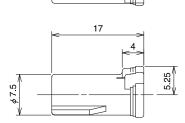
Part Number	HRS No.	Material	Finish	Packaging	RoHS
GT16-PC	766-0007-9	PBT	White	1 piece	YES

■ After-Market F Part Connect(No retainer required type)

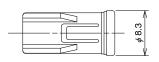
Housing







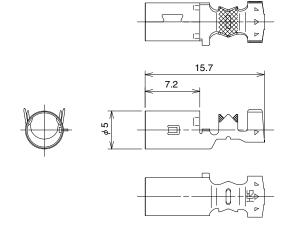




Part Number	HRS No.	Material	Finish	Packaging	RoHS
GT16-1S-HU	766-0004-0	PBT	Light Gray	1 piece	YES
GT16-1S-HU(P)	766-0067-0	PBT	Black	1 piece	113

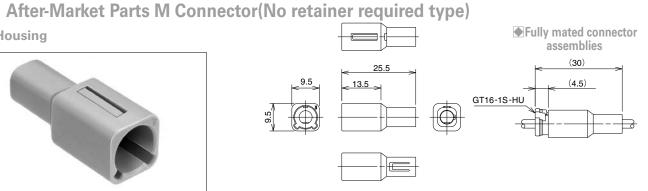
Outer terminal





Part Number	HRS No.	Applicable Cable	Material	Finish	Packaging	RoHS
GT16-/1.6-2.9SC	766-0003-8	1.5D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	
GT16-/0.7-1.5SC	766-0056-4	0.8D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	YES
GT16-/1.1-2.2SC	766-0088-0	1.0D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	

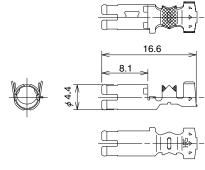




Part Number	HRS No.	Material	Finish	Packaging	RoHS
GT16-1P-HU	766-0009-4	PBT	Light Gray	1 piece	YES
GT16-1P-HU(P)	766-0068-3	PBT	Black	1 piece	ILS

Outer terminals



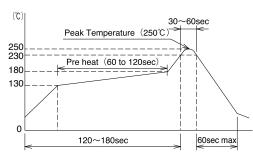


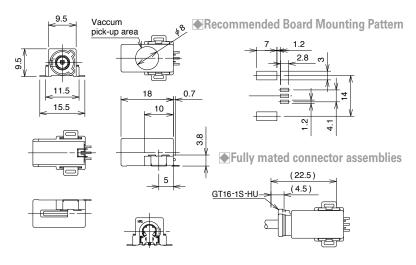
Part Number	HRS No.	Applicable Cable	Material	Color	Packaging	RoHS
GT16-/1.6-2.9PC	766-0008-1	1.5D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	YES
GT16-/0.7-1.5PC	766-0016-0	0.8D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	TES

Printed Circuit Board Type (SMT Type)



◆ Recommended Temperature Profile



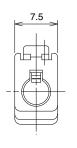


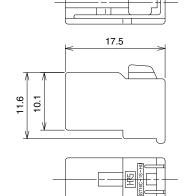
Part Number	HRS No.	Material	Color/Finish	Packaging	RoHS
		PPS(Housing)	Light Gray		
		Phosphor bronze (InnnerTerminal)	Tin plating		
GT16-1P-H	766-0005-3	Phosphor bronze (OuterTerminal)	Tin plating	1	
GII6-IP-H	766-0005-3	PPS (Insulator)	Natural	1 piece	
	Phosphor bronze (Shield plate		Tin plating		
		Brass (Metal fitting)	Tin plating		YES
		PPS(Housing)	Black		''-5
		Phosphor bronze (InnnerTerminal)	Tin plating		
GT16-1P-H(P)	766-0066-8	Phosphor bronze (OuterTerminal)	Tin plating	1 niono	
GTT6-TP-H(P) /6	700-0000-8	PPS (Insulator)	Natural	1 piece	
		Phosphor bronze (Shield plate)	Tin plating		
		Brass (Metal fitting)	Tin plating		

■ Genuine Market Parts F Connectors

Housing (Retainer Stopper Specification)





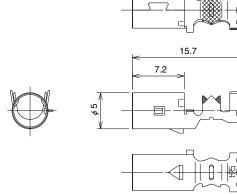


Part Number	HRS No.	Material	Finish	Packaging	RoHS
GT16C-1S-HU	766-0010-3	PBT	Light Gray	1 piece	
GT16C-1S-HU(A)	766-0060-1	PBT	Brown	1 piece	YES
GT16C-1S-HU(B)	766-0061-4	PBT	Green	1 piece	

Note: This product is used in conjunction with retainer GT16C-1P/S-R (CL766-0011-6) which is a separate item.

Outer terminal (Retainer Stopper Specification)

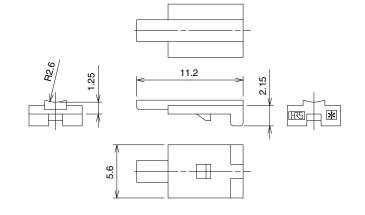




Part Number	HRS No.	Applicable Cable	Material	Finish	Packaging	RoHS
GT16C-/1.6-2.9SC	766-0012-9	1.5D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	
GT16C-/0.7-1.5SC	766-0057-7	0.8D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	YES
GT16C-/1.1-2.2SC	766-0089-3	1.0D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	7

Retainer



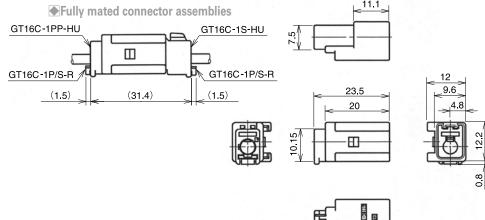


Part Number	HRS No.	Material	Finish	Packaging	RoHS
GT16C-1P/S-R	766-0011-6	PBT	Dark Gray	1 piece	YES

■ Genuine Market Parts M Connectors

Housing(Retainer Stopper Specification)



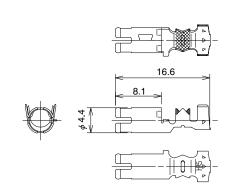


Part Number	HRS No.	Material	Color	Packaging	RoHS
GT16C-1PP-HU	CL766-0029-1	PBT	Light Gray	1 piece	
GT16C-1PP-HU(A)	CL766-0064-2	PBT	Brown	1 piece	YES
GT16C-1PP-HU(B)	CL766-0065-5	PBT	Green	1 piece	

Note: Use this product with separate retainer part GT16C-1P/S-R(CL766-0011-6).

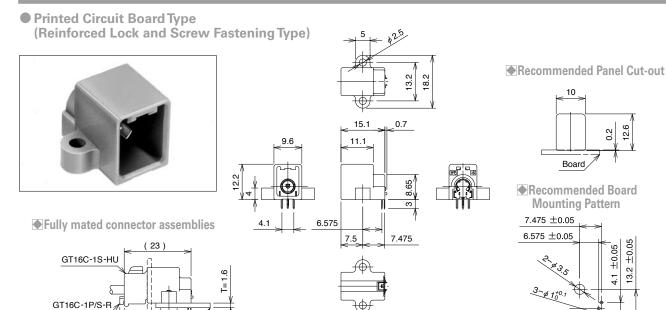
Outer terminal(Retainer Stopper Specification)





Part Number	HRS No.	Applicable Cable	Material	Finish	Packaging	RoHS
GT16C-/1.6-2.9PC	766-0019-8	1.5D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	YES
GT16C-/0.7-1.5PC	766-0018-5	0.8D-2V or equivalent	Phosphor bronze	Tin plating	1 piece	153

T 22



Part Number	HRS No.	Material	Finish	Packaging	RoHS
		PBT(Housing)	Light Gray		
		Phosphor bronze (InnnerTerminal)	Tin plating		
GT16C-1P-DS	766-0013-1	Phosphor bronze (OuterTerminal)	Tin plating	1 piece	
		PPS (Insulator)	Natural		
		Phosphor bronze (Shield plate)	Tin plating		
		PBT(Housing)	Brown		
		Phosphor bronze (InnnerTerminal)	Tin plating		
GT16C-1P-DS(A)	766-0062-7	Phosphor bronze (OuterTerminal)	Tin plating	1 piece	YES
		PPS (Insulator)	Natural		
		Phosphor bronze (Shield plate)	Tin plating		
		PBT(Housing)	Green		
		Phosphor bronze (InnnerTerminal)	Tin plating		
GT16C-1P-DS(B)	766-0063-0	Phosphor bronze (OuterTerminal)	Tin plating	1 piece	
		PPS (Insulator)	Natural		
		Phosphor bronze (Shield plate)	Tin plating]	

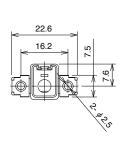
Note: Use mounting screws of M3 with nominal diameter 3L-6.

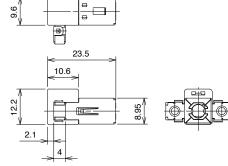
Panel

Panel Mounting Type

(1.5)

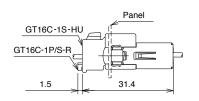


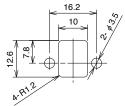






♠Recommended Panel Cut-out







Note: Use mounting screws of M3 with nominal diameter 3L-6.

●GT16G Wiring Method

1. Pass the cable through the outside tube.



2. Strip the cable.



3. Crimp the center terminal.



4. Insert the crimped terminal into the Insulator.



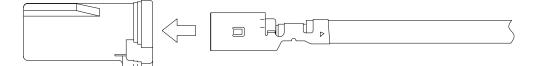
5. Insert the Insulator into the outside tube.



6. Crimp the outside tube.



7. Insert the terminal into the housing.





Completion

● F Connector Components Table

Inner Terminal	Insulator	Outer terminal	Housing	Retainer
		GT16-/1.6-2.9SC	GT16-1S-HU	
GT16-2428SCF		GT16-/0.7-1.5SC	GT16-1S-HU(P)	Not Used
GT16-30SCF	GT16-SC	GT16-/1.1-2.2SC	G110-13-110(1)	
0110 30301		GT16C-/1.6-2.9SC	GT16C-1S-HU	
		GT16C-/0.7-1.5SC	GT16C-1S-HU(A)	GT16C-1P/S-R
		GT16C-/1.1-2.2SC	GT16C-1S-HU(B)	

◆Mating Table

F Connectors	M Connectors
GT16-1S-HU	GT16-1P-HU
G116-13-HU	GT16-1P-H
	GT16CB-1PP-HU
GT16C-1S-HU	GT16C-1PP-HU
	GT16C-1P-DS

●M Connector Components Table

Inner Terminal	Insulator	Outer terminal	Housing	Retainer
		GT16-/1.6-2.9PC	GT16-1P-HU	N
		GT16-/0.7-1.5PC	GT16-1P-HU(P)	Not Used
GT16-2428PCF	GT16-PC		GT16CB-1PP-HU	Not Used
GT16-30PCF	dilore	GT16C-/1.6-2.9PC	GT16C-1PP-HU	
		GT16C-/0.7-1.5PC	GT16C-1PP-HU(A)	GT16C-1P/S-R
			GT16C-1PP-HU(B)	

		G 1 10 / 1.0-2.51 C	0110-11-110	Nickilleed
		GT16-/0.7-1.5PC	GT16-1P-HU(P)	Not Used
GT16-2428PCF	GT16-PC		GT16CB-1PP-HU	Not Used
GT16-30PCF	diloic	GT16C-/1.6-2.9PC	GT16C-1PP-HU	
		GT16C-/0.7-1.5PC	GT16C-1PP-HU(A)	GT16C-1P/S-R
			GT16C-1PP-HU(B)	
Printed Circuit Board Type				
GT16-1P-H				

◆Key Variation

F Connectors	M Connectors
GT16-1S-HU(P)	GT16-1P-HU(P)
G110-13-110(1)	GT16-1P-H(P)
GT16C-1S-HU(A)	GT16C-1PP-HU(A)
G110C-13-HU(A)	GT16C-1P-DS(A)
GT16C-1S-HU(B)	GT16C-1PP-HU(B)
G110C-13-110(b)	GT16C-1P-DS(B)

◆Tools

GT16-1P-H(P) GT16C-1P-DS GT16C-1P-DS(A) GT16C-1P-DS(B)

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

Automatic Crimping Machine



Hand Press

The photograph shows just one example. The product is subject to change.

Part Number CM-105

* See the table below for the product number of the applicator.

Specifications

Item	Specification	Remarks
Specification	1.5ton	
Stroke Length	30mm	
Number of strokes	200spm (50Hz)	240spm (60Hz)
Weight	75kg	
Motor	0.2kW	AC100V
Crimping speed	2,000~4,000/H	

Harness Tool

Product Number	HRS No.	Applicator Product Number
GT16-2428SCF		
GT16-2428PCF	901-5108-4	AP105-GT16-2428
GT16-30PCF	901-5124-0	AP105-GT16-30
GT16-30SCF		AP105-G116-30

Product Number	HRS No.	Jig
GT16-/1.6-2.9SC		
GT16C-/1.6-2.9SC	902-5058-4	GT16-1.6-2.9/CK-MP
GT16-/1.6-2.9PC	902-5058-4	G 1 10-1.0-2.9/CK-WIF
GT16C-/1.6-2.9PC		
GT16-/0.7-1.5PC		
GT16C-/0.7-1.5PC	902-5064-7	GT16-0.7-1.5/CK-MP
GT16-/0.7-1.5SC		G110-0.7-1.5/CK-WII
GT16C-/0.7-1.5SC		

^{*} 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.

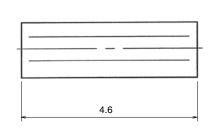
GT16G Series

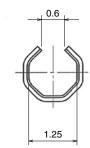
F and M Common Parts

● Terminal Ferrule









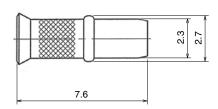
Part Number	HRS No.	Material	Finish	Packaging	RoHS
GT16G-FR	766-0028-9	Phosphor bronze	Tin plating	1piece	YES

F and M Common Parts

Outer Ferrule







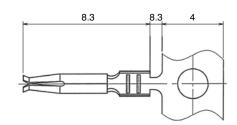


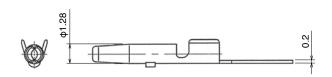
Part Number	HRS No.	Material	Finish	Packaging	RoHS
CT16C 1 EDHOS	766 0027 6	Phoenhor bronzo	Tim mintime	1niono	VES

F Common Parts

Center Terminal



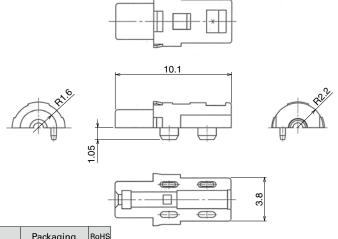




Part Number	HRS No.	Conductor Size (AWG)	Material	Finish	Packaging	RoHS
GT16G-2428SCF	766-0022-2	AWG#24~28	Phosphor bronze	Tin plating	10,000 pcs/reel	YES

Insulator





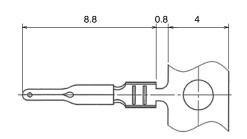
Part Number	HRS No.	Material	Color	Packaging	RoHS
GT16G-SC	766-0023-5	PBT	Natural	1 piece	YES

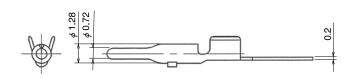
Note: Two of these products are used per connection.

M Common Parts

Center Terminal

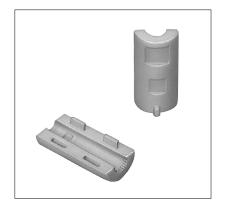


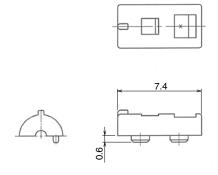




Part Number	HRS No.	Conductor Size (AWG)	Material	Finish	Packaging	RoHS
GT16G-2428PCF	766-0046-0	AWG#24~28	Brass	Tin plating	10,000 pcs/reel	YES
GT16G-30PCF	766-0070-5	AWG#30	Brass	Tin plating	10,000 pcs/reel	7 165

Insulator

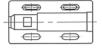






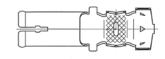
Part Number	HRS No.	Material	Color	Packaging	RoHS	
GT16G-PC	766-0047-3	PBT	Natural	1 piece	VEC	
GT16G-0.8PC	766-0071-8	PBT	Natural	1 piece	YES	

Note: Two of these products are used per connection.

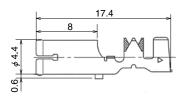


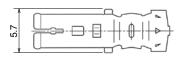
Outer Terminal











Part Number	HRS No.	Applicable cable	Material	Finish	Packaging	RoHS
GT16G-/1.6-2.9PC	766-0048-6	1.5D-2W or equivalent	Phosphor bronze	Tin plating	1piece	YES
GT16G-/0.7-1.5PC	766-0072-0	0.8D-2V or equivalent	Phosphor bronze	Tin plating	1piece	1123

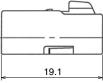
■ F Connector(No retainer required type)

Housing







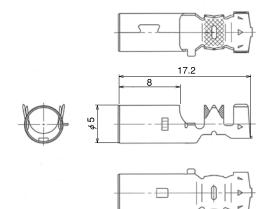




Part Number	HRS No.	Material	Color	Packaging	RoHS
GT16GM-1S-HU	766-0033-9	PBT	Black	1piece	YES

Outer Terminal



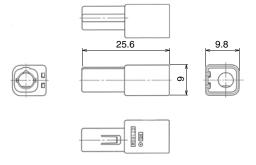


Part Number	HRS No.	Applicabie cable	Material	Finish	Packaging	RoHS
GT16GM-/1.6-2.9SC	766-0025-0	1.5D-2W or equivalent	Phosphor bronze	Tin plating	1piece	YES

■ M Connector(No retainer required type)

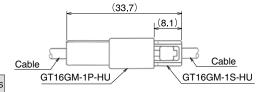
Housing





●Fully mated connector assemblies

20



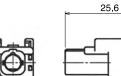
Part Number	HRS No.	Material	Color	Packaging	RoHS
GT16GM-1P-HU	766-0050-8	PBT	Black	1piece	YES

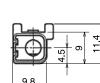
Housing (Bracket mounting type)



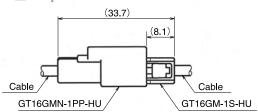


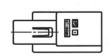










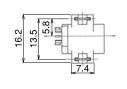


Part Number	HRS No.	Material	Color	Packaging	RoHS
GT16GMN-1PP-HU	766-0051-0	PBT	Black	1piece	YES

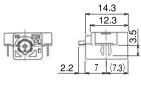
(°C)|

Board Type (Lock Pin Type)



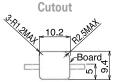


9.8

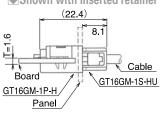




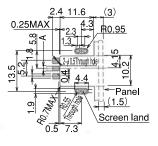
◆Recommended Panel



◆Shown with inserted retainer



◆Recommended Board **Mounting Pattern**



Part Number	HRS No.	Material	Color/Finish	Packaging	RoHS
		PBT(Housing)	Black		
		Phosphor bronze (Inner terminal)	Tin plating		
GT16GM-1P-H	766-0032-6	Phosphor bronze (Outer terminal)	Tin plating	1piece	YES
		PBT(insulator)	Natural		
		Brass (Lock pin)	Tin plating		

* Use micro strip line and set so that dimension A has a characteristic impedance of 50Ω .

R1.2

◆ Recommended Panel Cutout

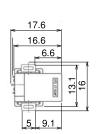
R1.2

Board ග

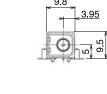
Board Type (SMT Type)











●Shown with inserted retainer

Board

Panel GT16GM-1S-HU

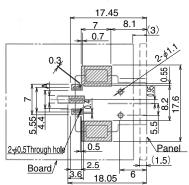
긔



	30~60sec
	Peak temperature (250°C) →
250	
230	Pre heat (60 to 120sec)
180	
130	
0	
	120~180sec 60sec max

Part Number	HRS No.	Material	Color/Finish	Packaging	RoHS
		PPS(Housing)	Black		
		Phosphor bronze (Inner terminal)	phor bronze (Inner terminal) Tin plating		
GT16GMP-1P-H	766-0052-3	Phosphor bronze (Outer terminal)	Tin plating	000 (YES
G 1 10GIVII - 11 -11	700-0052-3	PPS(insulator left and right)	Natural	200 pcs/reel	153
		Phosphor bronze	Tin plating		
		Brass (Reinforced fittings)	Tin plating		

◆Recommended Board **Mounting Pattern**



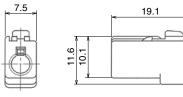
* Use micro strip line and set so that dimension A has a characteristic impedance of 50Ω .

■ F Connector(Retainer required type)

Housings

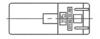








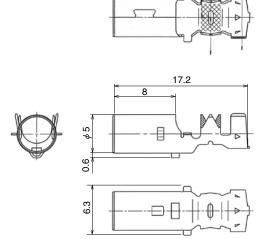
Part Number	HRS No.	Material	Color	Packaging	RoHS
GT16G-1S-HU	766-0026-3	PBT	Light Gray	1 piece	\/50
GT16G-1S-HU(24)	766-0026-3-24	PBT	Black	1 piece	YES



Note: Use this product with separate retainer part GT16C-1P/S-R (CL766-0011-6).

Outer Terminal



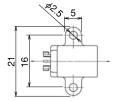


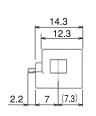
Part Number	HRS No.	Applicable cable	Material	Finish	Packaging	RoHS
GT16G-/1.6-2.9SC	766-0024-8	1.5D-2W or equivalent	Phosphor bronze	Tin plating	1 piece	YES

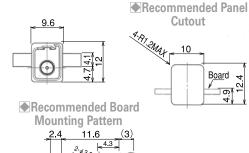
■ Genuine Market Parts M Connectors

Board Type (Screw Fastening Type)









◆Shown with inserted retainer

(8.1)

Cable

GT16C-1P/S-R

904 4. Board 4.

GT16G-1S-HU

1.6

(22.4)

Panel

/Board

GT16G-1P-H



Part Number	HRS No.	Material	Color/Finish	Packaging	RoHS
		PBT(Housing)	Light Gray		
GT16G-1P-H	766-0021-0	Phosphor bronze (Inner terminal)	Tin plating	1-:	YES
G110G-1F-H	766-0021-0	Phosphor bronze (Outer terminal)	Tin plating	1piece	TES
		PBT(Insulator)	Natural		

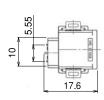
Note 1: Suitable mounting screws are JIS B 1122 pan head tapping screws class 2, nominal diameter 3, length 6.

-Panel 仁(1.5)

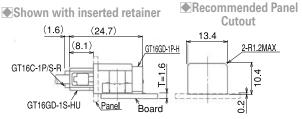
Note 2: Use micro strip line and set so that dimension A has a characteristic impedance of $50\,\Omega$

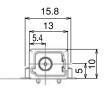
Board Type (SMT Type)



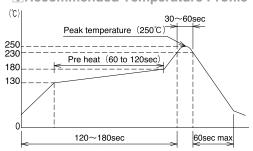






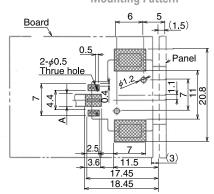






< 120	- 100360	> Ousec max			
Part Number	HRS No.	Material	Color,Finish	Packaging	RoHS
		PPS(Housing)	Black		
		Phosphor bronze (Inner terminal)	Tin plating	200 pcs/reel	
GT16GD-1P-H	766-0044-5	Phosphor bronze (Outer terminal)	Tin plating		YES
G110GD-11-11	700-0044-3	PPS(Insulator left and right)	Natural	200 pcs/reer	153
		Phosphor bronze(Shield plate)	Tin plating		
		Brass (reinforced fittings)	Tin plating		

●Recommended Board **Mounting Pattern**

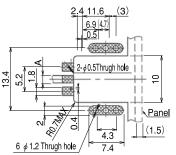


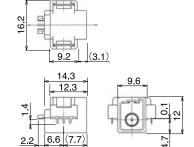
Note: Use micro strip line and set so that dimension A has a characteristic impedance of 50Ω .

Board Type (Lead Reflow Type)

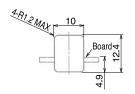


Recommended Board Mounting Pattern

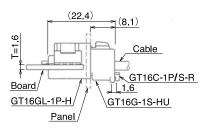




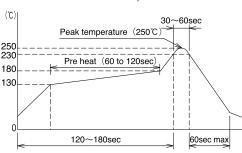
Recommended Panel Cutout







◆ Recommended	Temperature	Profile
T 100011111011a0a	Tomporataro	



YES

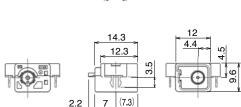
Note: Use micro strip line and set so that dimension

A has a characteristic impedance of $50\,\Omega$.

Part Number HRS No. Color/Finish Material Packaging RoHS PPS(Housing) Light Gray Phosphor bronze (Inner terminal) Tin plating GT16GL-1P-H(70) 766-0043-2-70 Phosphor bronze (Outer terminal) 200 pcs/reel YES Tin plating PBT(Insulator) Natural Brass (reinforced fittings) Tin plating PPS(Housing) Black Phosphor bronze (Inner terminal) Tin plating GT16GL-1P-H(71) 766-0043-2-71 Phosphor bronze (Outer terminal) Tin plating 200 pcs/reel PBT(Insulator) Natural Brass (reinforced fittings) Tin plating

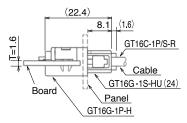
Board Type (Lock Pin Type)



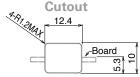


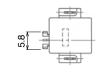
7.4

♦Shown with inserted retainer



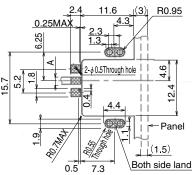
●Recommended Panel





Part Number	HRS No.	Material	Color/Finish	Packaging	RoHS
	766-0059-2	PBT(Housing)	Black		
		Phosphor bronze (Inner terminal)	Tin plating		
GT16GR-1P-H		Phosphor bronze (Outer terminal)	Tin plating	1piece	YES
		PBT(Insulator)	Natural		
		Brass (Lock pin)	Tin plating		

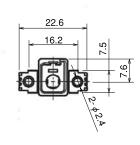
● Recommended Board Mounting Pattern

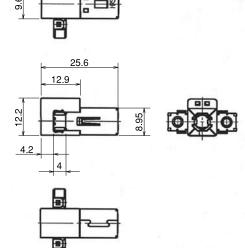


Note : Use micro strip line and set so that dimension A has a characteristic impedance of $50\,\Omega$.

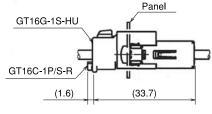
Panel Mounting Type

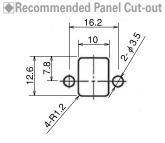






●Fully mated connector assemblies

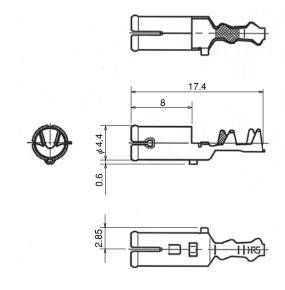




Part Number	HRS No.	Material	Color/Finish	Packaging	RoHS
CT16CD 1DD IIII	CL766-0074-6	PBT (Housing)	Light Gray	1piece	YES
GT16GB-1PP-HU	CL/66-00/4-6	Copper alloy (Ground terminal)	Tin plating	Tpiece	I TES

Outer terminal (Used with GT16GB-1PP-HU)



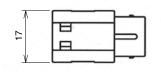


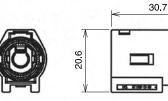
Part Number	HRS No.	Applicable Cable	Material	Finish	Packaging	RoHS
GT16GB-/0.7-1.5PC	CL766-0073-3	0.8D-2V or equivalent	Phosphor bronze	Tin plating	1piece	YES

■ F Connector (Waterproof type)

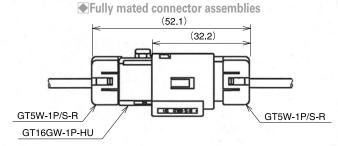
Housing











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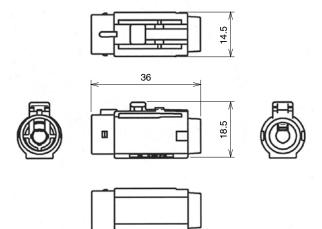
Part Number	HRS No.	Material	Color	Packaging	RoHS
0740014/40 1111	01700 0070 4	PBT	Black	1=:	YES
GT16GW-1S-HU	CL766-0076-1	Silicon rubber	White	1piece	TES

Note: Assemble main parts with separated retainer part GT5W-1P/S-R (CL755-0028-5).

■ M Connector (Waterproof type)

Housing





Part	Number	HRS No.	Material	Color	Packaging	RoHS
CT16CW 1DIIII	CL766-0077-4	PBT	Black	1=:===	YES	
GT16GW-1P-HU		Silicon rubber	White	1piece	ILS	

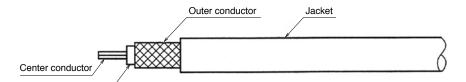
Note: Assemble main parts with separate retainer part GT5W-1P/S-R (CL755-0028-5).

GT16G Wiring Method

①Strip the cable.

Note 1. See "Crimping Quality Standards Manual" for information about the end processing dimensions.

Note 2. Before performing end processing, arrange cable ends to be perpendicular. (There shall be no cable crushing.) Note 3. Care must be taken so as not to damage the various cut portions of the center conductor, dielectric, and outer conductor.

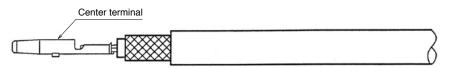


²Crimp the center terminal with the special jig.

Dielectric

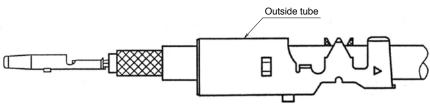
Note 1. See "Crimping Conditions Table" for information about the crimp height.

Note 2. See "Crimping Quality Standards Manual" for information about crimping standards.



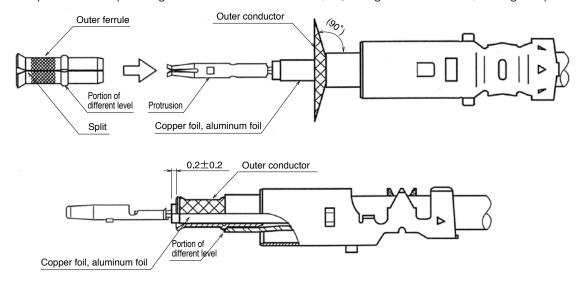
③Place the outside tube over the cable.

Note 1. Pay attention to the placement direction of the outside tube.

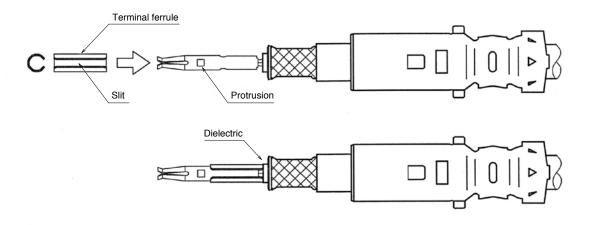


Widen the external conductor with the special tool, place the outer ferrule, and return the external conductor over the outer ferrule.

- Note 1. Spread only the outer conductor without unravelling. Copper foil or aluminum foil shall not be spread, but shall be on the inside of the outer ferrule.
- Note 2. The orientation of the outer ferrule shall be as indicated in the diagram. Align the slit of the outer ferrule with the protruding portion of the crimp terminal and insert.
- Note 3. The outer ferrule shall be placed so that the portion of different level is inserted as far as the sheath end.
- Note 4. Pay attention to pinching of the external conductor (i.e., biting into the sheath) during the placement.



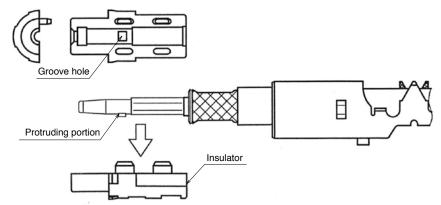
⑤Using the special jig, insert the terminal ferrule from the coupling side of the crimp terminal until it reaches the end. Note 1. Orient the terminal ferrule as illustrated in the diagram, align the slit portion of the terminal ferrule with the protruding portion of the crimp terminal, and then insert.



⑤Set the aforementioned terminal block onto the insulator and enclose it from the top with one more insulator.

Note 1. Set the protruding portion of the crimp terminal in the groove hole of the insulator.

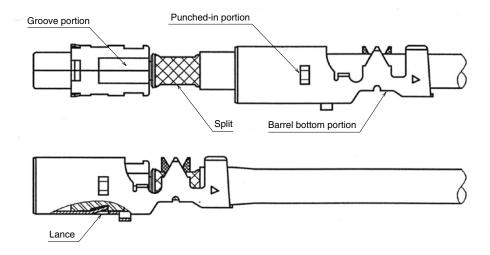
Note 2. Pull the cable with a force on the order of 4.9 N and check that the terminal block does note come out.



①Use the special tool to cover the insulator with the outside tube, which was previously inserted.

Note 1. Orient the outside tube as illustrated in the diagram, align the punched-in portion of the outside tube with the groove portion of the insulator (so that at both left and right, the split of the outer ferrule is aligned with the barrel bottom portion of the outside tube), and then insert.

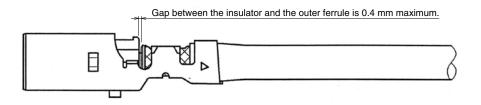
Note 2. Insert until the insulator stops at the lance of the outside tube.



®Use the special jig to crimp the crimp terminal.

Note 1. See "Crimping Conditions Table" for information about the crimping height.

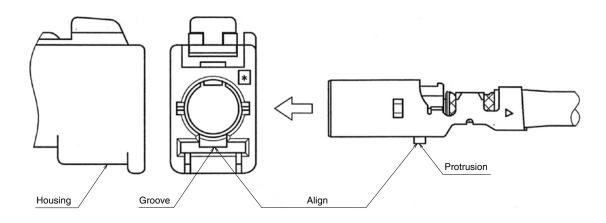
Note 2. See "Crimping Quality Standards Manual" for information about crimping standards.



Insert the aforementioned outside tube block into the housing.

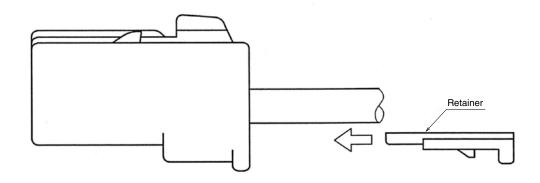
Note 1. Align the protruding portion of the outside tube with the groove portion of the housing, and then insert.

Note 2. Insert until the outside tube stops at the lance of the housing.

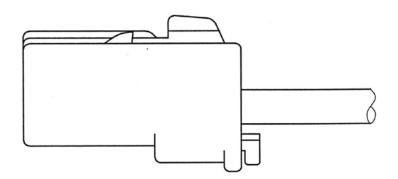


®Insert the retainer into the housing.

Note 1. Insert until the retainer stops at the housing.



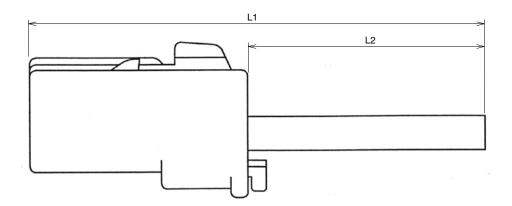
①Inspect and complete the wiring.



Note: The length (L) dimension after wiring and the cut cable length are described below.

Cut cable length: L1 -- 8.1

L2 + 11.0

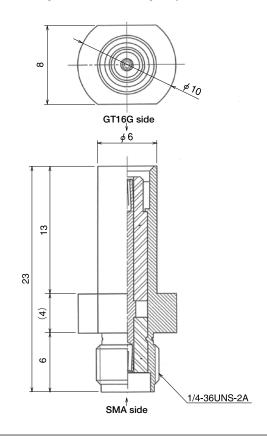


● SMA Conversion Adapter (coupling portion: GT16G side jack - SMA side jack)



Note: The adapter does not have a lock portion and thus can only be used for performance measurements.

Part Number	HRS No.	RoHS	
GT16GS-HRMJ	766-0031-3	YES	

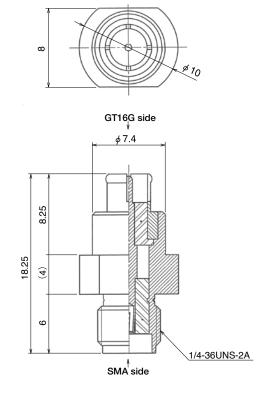


SMA Conversion Adapter (coupling portion: GT16G side plug - SMA side jack)



Note: The adapter does not have a lock portion and thus can only be used for performance measurements.

Part Number	HRS No.	RoHS
GT16GP-HRMJ	766-0030-0	YES



● F Connector Composition Table

	Terminal Ferrule	Outer Ferrule	Inner Terminal	Insulator	Outer Terminal	Housing	Retainer
					GT16GM-/1.6-2.9SC	GT16GM-1S-HU	Not used
						GT16G-1S-HU	
	GT16G-FR	GT16G-1.5DHQS	GT16G-2428SCF	GT16G-SC	GT16G-/1.6-2.9SC	GT16G-1S-HU(24)	GT16C-1P/S-R
						GT16GD-1S-HU	
							GT16GW-1S-HU

● M Connector Composition Table

Terminal Ferrule	Outer Ferrule	InnerTerminal	Insulator	OuterTerminal	Housing	Retainer
					GT16GM-1P-HU	Netwood
GT16G-FR	GT16G-1.5DHQS	GT16G-2428PCF	GT16G-PC	GT16G-/1.6-2.9PC	GT16GMN-1PP-HU	Not used
					GT16GW-1P-HU	GT5W-1P/S-R

Terminal Ferrule	Outer Ferrule	InnerTerminal	Insulator	OuterTerminal	Housing	Retainer
				GT16G-/0.7-1.5PC	GT16GM-1P-HU	
Not used	Not used	GT16G-30PCF	GT16G-0.8PC	G116G-/0.7-1.5FC	GT16GMN-1PP-HU	Not used
				GT16GB-/0.7-1.5PC	GT16GB-1PP-HU	

BoardType
GT16GM-1P-H
GT16GMP-1P-H
GT16G-1P-H
GT16 GL-1P-H(70)
GT16GL-1P-H(71)
GT16GR-1P-H
GT16GD-1P-H

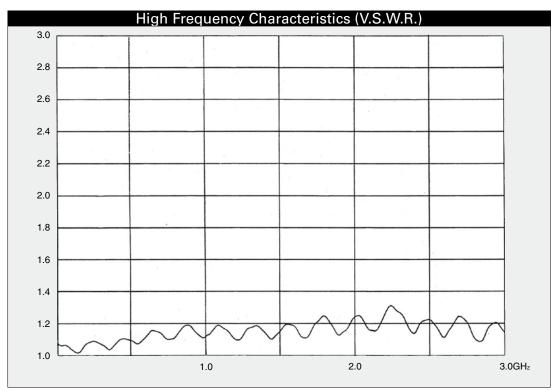
◆ Mating Table

F Connector	M Connector
	GT16GM-1P-H
074008440 1111	GT16GMP-1P-H
GT16GM-1S-HU	GT16GM-1P-HU
	GT16GMN-1PP-HU
	GT16G-1P-H
GT16G-1S-HU	GT16GL-1P-H(70)
	GT16GB-1PP-HU
CT4CC 4C 1111/04)	GT16GL-1P-H(71)
GT16G-1S-HU(24)	GT16GR-1P-H
GT16GD-1S-HU	GT16GD-1P-H

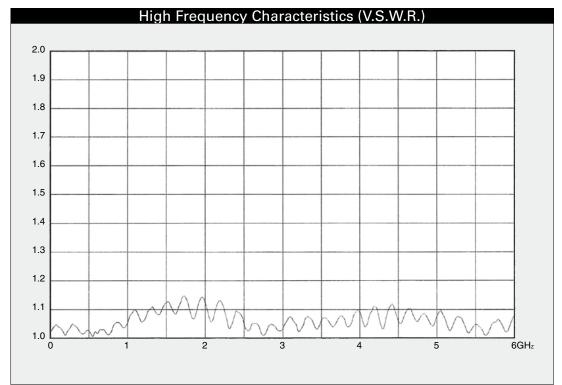
Wiring Tools

Applicable Connectors		GT16GM-1S-HU GT16G-1S-HU GT16G-1S-HU(24) GT16GD-1S-HU	GT16GM-1P-HU GT16GMN-1PP-HU	GT16GB-1PP-HU
Process 1	Cable strip processing	cessing Schleuniger MP257, etc. (Commercial product) Schleuniger MP257, etc. (Commercial product)		Schleuniger MP257, etc. (Commercial product)
Process 2	Center terminal crimping	Crimping machine body type 105 AP105-GT16G-2428S	Crimping machine body type 105 AP105-G [±] 16G-2428P	Crimping machine body type 105 AP105-GT16G-30P
Process 3	Cable forming	Shield forming tool GT16G-1.5DHQS/CF-MD	Shield forming tool GT16G-1.5DHQS/CF-MD	_
Process 4	Outside ferrule insertion	Outside ferrule insertion tool GT16G-1.5DHQS/PR-MD	Outside ferrule insertion tool GT16G-1.5DHQS/PR-MD	_
Process 5	Terminal ferrule insertion	Terminal ferrule insertion tool GT16G-FR/PR-MD	Terminal ferrule insertion tool GT16G-FR/PR-MD	Terminal ferrule insertion tool GT16G-FR/PR-MD
Process 6	Insulated washer assembly	Manual task	Manual task	Manual task
Process 7	Outside tube insertion	Insulated washer press tool GT16G-SC/PR-MD	_	_
Process 8	Outside tube tightening	Hand press MOS-7 GT16G-1.6-2.9S/CK-MP	Hand press HOS-7 GT16G-1.6-2.9P/CK-MP	Hand press HOS-7 + GT16G-0.7-1.5P/CK-MP
Process 9	Housing, (retainer) installation	Manual task	Manual task	Manual task
Process10	Inspection	High frequency characteristics test (Complete) Continuity / Withstand voltage test Inspection of external appearance	High frequency characteristics test (Complete) Continuity / Withstand voltage test Inspection of external appearance	High frequency characteristics test (Complete) Continuity / Withstand voltage test Inspection of external appearance

● Test Data (Using 1.5D-2W Type cable)



Note: Typical data using fully assemblied and connected GT16-1P-H and the GT16-1S-HU.



Note: The measurement data shown above were obtained using the $\mathsf{GT16G}\text{-}1\mathsf{P}\text{-}\mathsf{H}$ and $\mathsf{GT16G}\text{-}1\mathsf{S}\text{-}\mathsf{HU}.$

ПОСТАВКА ЭЛЕКТРОННЫХ КОМПОНЕНТОВ

многоканальный

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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