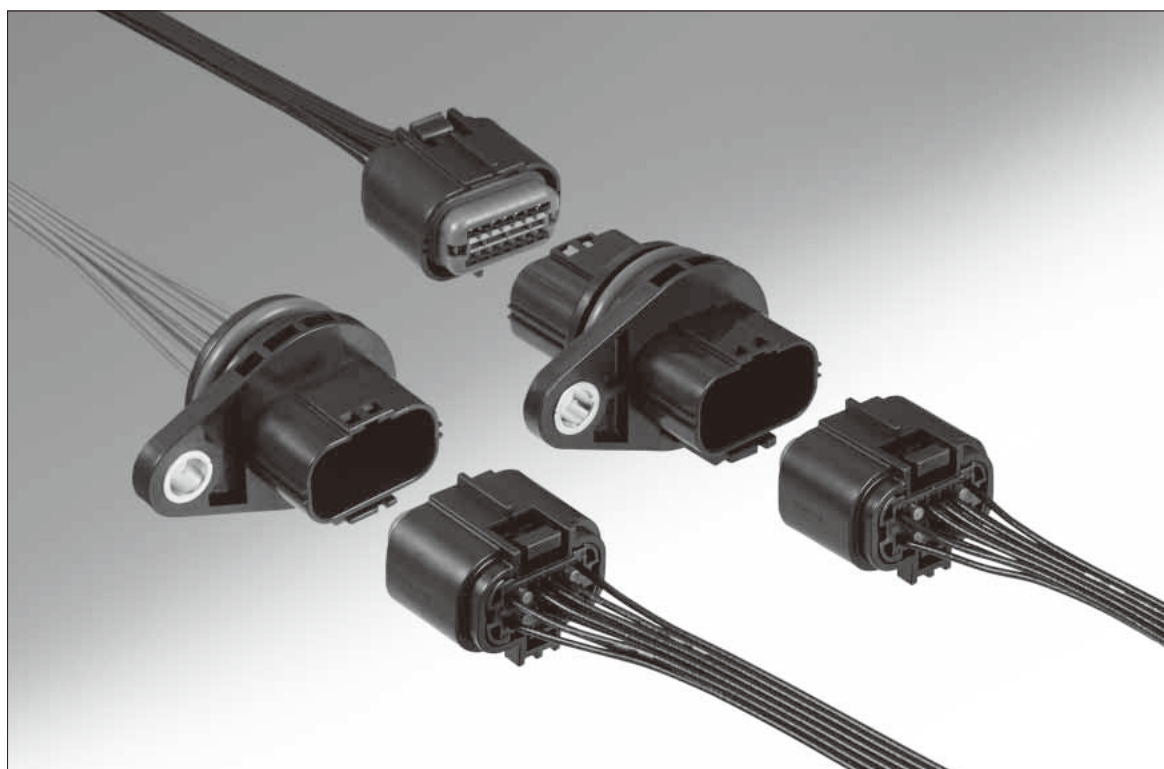


GT18W Series

— ECU Miniature Waterproof Connectors —



Features

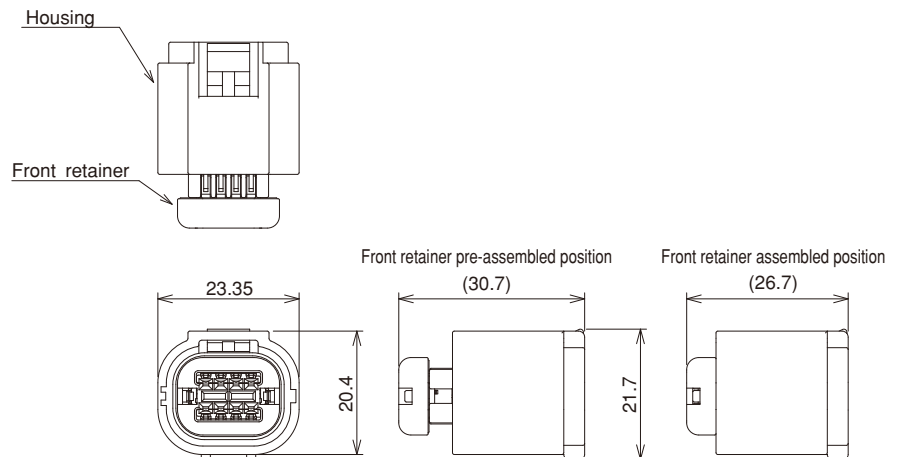
1. Subminiature size for a waterproof connector, with a pitch of 2.5 mm.
2. Complete prevention of degeneration of waterproof performance due to cable bending.

Product Specifications

Rated Current	Insulation Resistance	Withstanding Voltage	Contact Resistance	Operating Temperature Range
3A	DC 500V、100 MΩmin	AC 650V, for one minute	DC 1A, No more than 30mΩ	−40℃~+105℃ (Note1)

Note 1 : Includes temperature rise caused by current flow.

F Connectors (Pre-assembled front retainer)

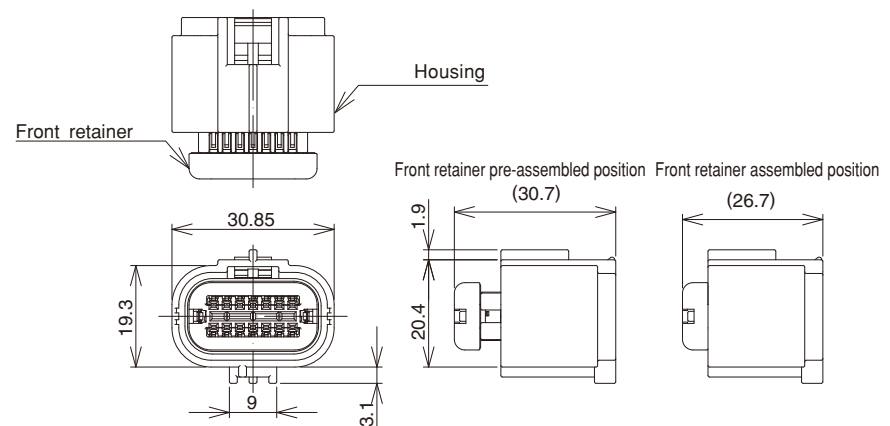


Part No.	HRS No.	Material/Plating or Color	Packaging	RoHS
GT18WB-8DS-HU	(Under development)	Housing : PBT / Black Front retainer : PBT / Brown Rear holder : PBT / Black Housing seal : Silicone / Brown Wire seal : Silicone / Brown	1	YES

Note 1 : Applicable terminal is GT25HA-2024SCF.

Note 2 : Front retainer is pre-assembled.

Note 3 : Mates with GT18WB-8DP-AD.



Part No.	HRS No.	Material/Plating or Color	Packaging	RoHS
GT18WB-14DS-HU	768-0039-8	Housing : PBT / Black Front retainer : PBT / Brown Rear holder : PBT / Black Housing seal : Silicone / Brown Wire seal : Silicone / Brown	1	YES
GT18WB-14DS-HU(A)	768-0040-7	Housing : PBT / Gray Front retainer : PBT / Brown Rear holder : PBT / Black Housing seal : Silicone / Brown Wire seal : Silicone / Brown		

Note 1 : Applicable terminal is GT25HA-2024SCF.

Note 2 : Front retainer is pre-assembled.

Note 3 : GT18WB-14DS-HU(A) is different key version of GT18WB-14DS-HU.

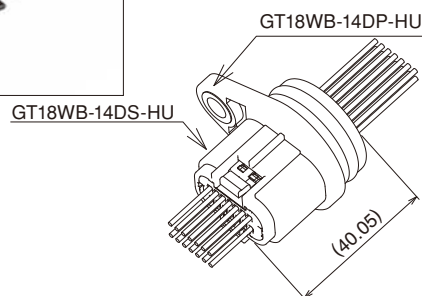
Note 4 : Mates with GT18WB-14DP-HU and GT18WB-14DP-AD.

Panel mount in-line connector (two piece structure)

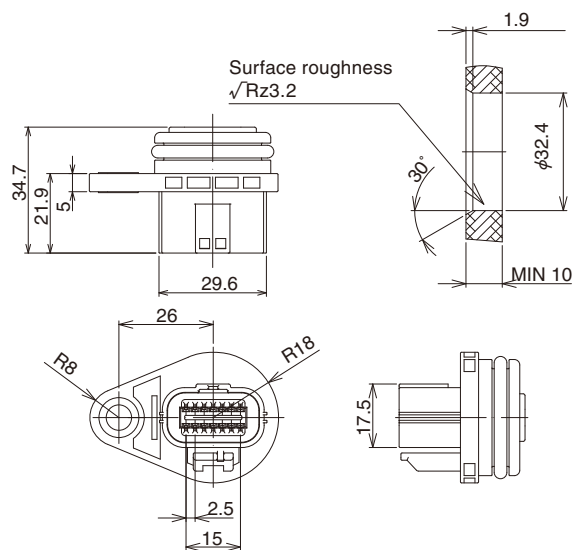
M Connector



◆ Mated condition



◆ Recommended panel cutout dimension (Material : A5052)



Part No.	HRS No.	Material/Plating or Color	Packaging	RoHS
GT18WB-14DP-HU	768-0036-0	Housing : PBT / Black O-ring : Silicone / Brown Ring : Ferrous / Zinc plating	1	YES
GT18WB-14DP-HU(A)	768-0037-2	Housing : PBT / Gray O-ring : Silicone / Brown Ring : Ferrous / Zinc plating		

Note 1 : Applicable contact is GT18-2022PCF.

Note 2 : Use M6 screw

Note 3 : Torque : 7N · m(Max)

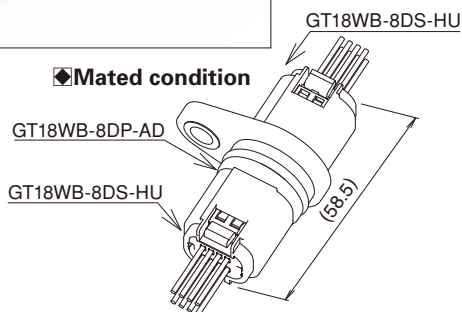
Note 4 : GT18WB-14DP-HU(A) can only be mated with GT18WB-14DP-HU.

Panel mount in-line connector (three piece structure)

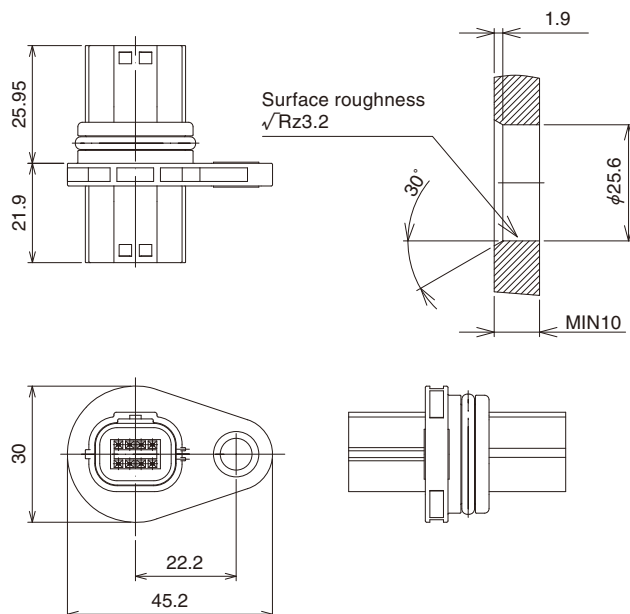
M Connector



◆ Mated condition



◆ Recommended panel cutout dimension (Material : A5052)

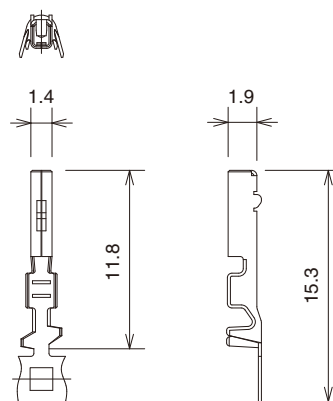


Part No.	HRS No.	Material/Plating or Color	Packaging	RoHS
GT18WB-8DP-AD	(Under development)	Housing : PBT / Black O-ring : Silicone / Brown Terminal : Brass / Tin plating Ring : Ferrous / Zinc plating	1	YES
GT18WB-14DP-AD	(Under development)			

Note 1 : Use M6 screw

Note 2 : Torque : 7N · m(Max)

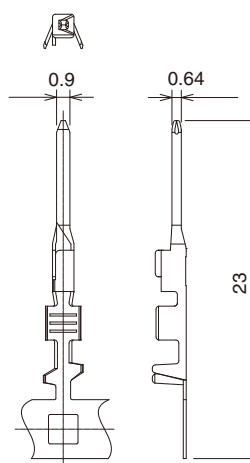
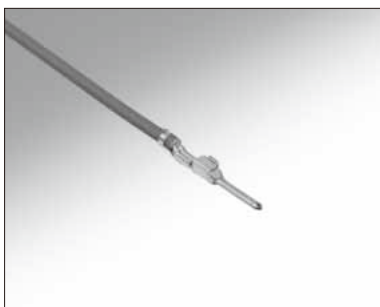
Terminal for female connector



Part No.	HRS No.	Material	Plating	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT25HA-2024SCF	775-0054-0 00	Copper palloy	Tin plating	20 to 22 AWG	φ1.3 to 1.5	10,000 pcs/reel	YES
GT25HA-2024SCF(01)	775-0054-0 01		Gold plating				

Note 1 : Applicable connector is GT18W*-DS-HU.

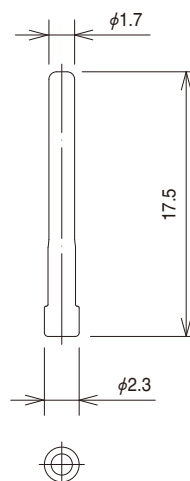
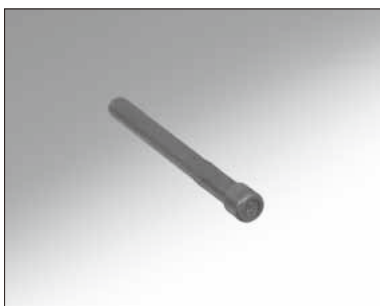
Terminal for male connector



Part No.	HRS No.	Material	Plating	Conductor Size (AWG)	Outer Diameter	Packaging	RoHS
GT18C-2022PCF	(Under development)	Brass	Tin plating	20 to 22 AWG	φ1.4 to 1.6	10,000 pcs/reel	YES
GT18C-2022PCF(01)			Gold plating				

Note 1 : Applicable connector is GT18W*-DS-HU.

Waterproof stopper



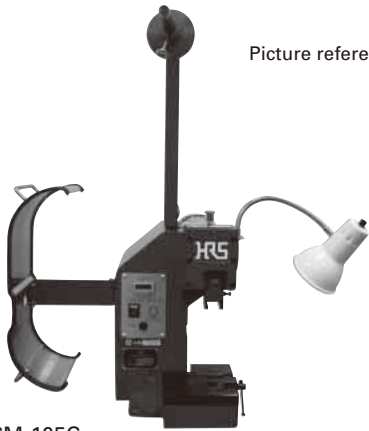
Part No.	HRS No.	Material/Plating or Color	Packaging	RoHS
GT18W-WCP(2022)	768-0033-1 00	PBT/Brown	100 pcs/pack	YES

Note 1 : Applicable connector is GT18W*-DS-HU.

◆ Crimping tools

User manuals are available. Please contact your Hirose Electric account representative.

● Automatic Crimping Machine



Picture reference only

Part No. CM-105C

Specifications

Item	Specification	Remarks
Press capacity	1.5tons	—
Stroke Length	30mm	—
Number of strokes	200spm (50Hz)	240spm (60Hz)
Weight	75kg	—
Motor	0.2kw	AC100V
Crimping speed	2,000 to 4,000 pcs/hour	—

Terminal Part No.	Terminal HRS No.	Tool Part No.	Tool HRS No.
GT25HA-2024SCF	775-0054-0 00	AP105-GT25HA-2024S	901-5224-5
GT18-2022PCF	768-0019-0 00	AP105-GT18-2022P	901-5205-0

Mouser Electronics

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