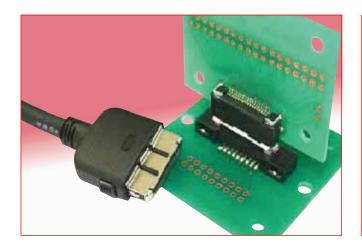


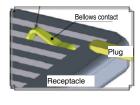
High Life Cycle Interface Connectors

3800 Series



Hirose's Unique Contact Structure with High Durability

- 1) Minimum contact shaving due to a rolled surface on the bellows contact side
- The spring contact design prevents buckling.
 Stable contact design provides the support needed to endure 20,000 mating cycles. Provides ideal long term contact force.



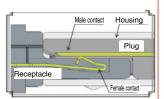


Fig.(1)

■Features

- 1. 20,000 mating/unmating life cycle with unique Hirose contact structuré.
- 2. The structure utilizes a metal shell that is 0.35 mm thick. The shell is designed to cover the housing and protect against rough mechanical operation.

The addition of reinforced metal fittings increases the PCB retention force and allows these connectors to be mounted with commercially available screws for the cradle type. (Please refer to Fig.(2)

- 3. Sequential mating, that features a 0.5 mm range (Please refer to Fig. 3)
- 4. Its small size and light weight design are helpful for use in compact devices
- 5. Simple mating process with a tactile click that assures proper mating completion.

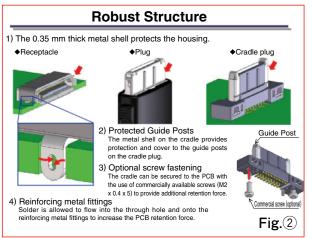
The pushbutton locking system leads to a simplified mating process that delivers a tactile click to ensure that the mating process was correctly completed.

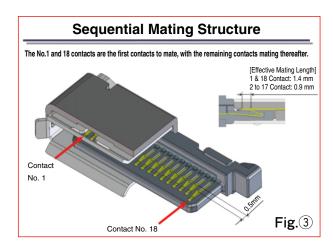
6. One piece plug cover

The assembly of this connector is simplified due to its one-piece plug cover.

7. RoHS compliant

All materials and substances used to produce this product comply with the RoHS free standards.





■Product Specifications

Ratings	Rated Current	No.2 \sim No.17 \Rightarrow 0.5 A			AC 125 V
. idaniige		No.1, No.18 ⇒ 1.5 A		rating Temperature Range	-40 ∼ +85°C
Items	Specifications			Conditions	
1. Insulation	Misiro and A 000 MO			Marca and 21 DO 050 V	

Items	Specifications	Conditions	
Insulation Resistance	Minimum of 1,000 MΩ	Measured with DC 250 V.	
Withstanding Voltage	No flashover or breakdown	Apply 350 V AC for 1 minute	
3. Contact Resistance	Maximum of 70 mΩ	Measured with 100 mA (DC or 1,000 Hz) or below	
4. Durability	 Maximum of 20 mΩ of deflection from its initial state No damaged, cracked or loose parts 	20,000 mating cycles	

■Materials

● Receptacle

Component	Materials	Color/Finish	Remarks
Housing	Polyamide resin	Black	UL94V-0
Contact	Copper alloy	Selective gold plating	-
Dust cover	Polyamide resin	Black	UL94V-0
Metal shell	Stainless Steel	Tin plating	-

●Cradle Type Plug

Component	Materials	Color/Finish	Remarks
Housing	Polyamide resin	Black	UL94V-0
Contact	Copper alloy	Selective gold plating	_
Metal shell	Stainless steel	Tin plating	-
Fastening screw metal	Steel	Nickel under plating	-

●Plug

Component	Materials	Color/Finish	Remarks
Housing	Polyamide resin	Black	UL94V-0
Contact	Copper alloy	Selective gold plating	_
Cover	Polycarbonate	Black	UL94V-0
Metal shell	Stainless steel	-	-

■Product Number Structure

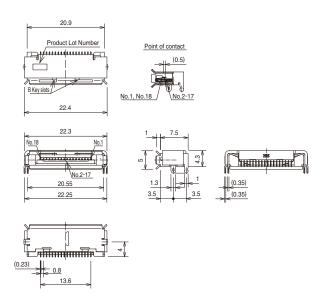
Refer to this page when determining product specifications by model types. Please place orders with part numbers listed in this catalog. The characteristics and specifications of the product described in this catalog are reference values. Please make sure to check the latest delivery specifications at the time of product use.

1 Series Number: 38	Mating Key Type	
2 Termination style	No. of Contacts	
40: Soldering Type	5 Type of Connector	
60: Right Angle DIP Type	P: Plug	
80: Cradle Type DIP Type	S: Receptacle	

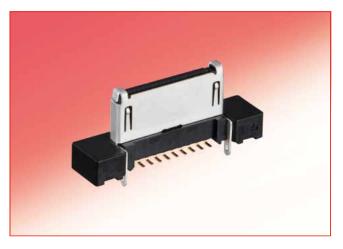
■Receptacle Connector



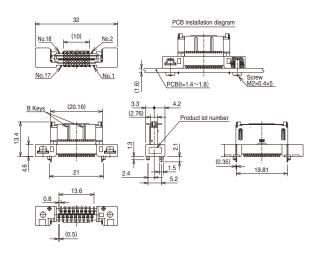
Part No.	HRS No.	Quantity
3860-B-18S	CL238-2006-7-00	600 pieces per reel



■Cradle Plug Connector



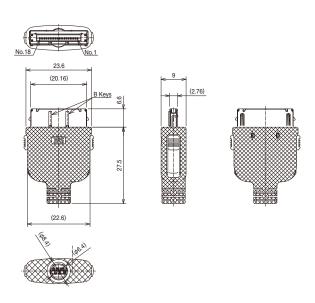
Part No.	HRS No.	
3880-B-18P	CL238-2008-2-00	



■Plug Connector



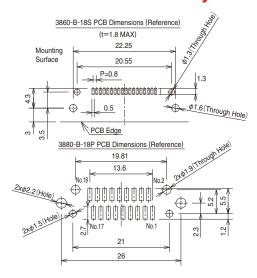
Part No.	HRS No.
3840-B-18P	CL238-2007-0-00

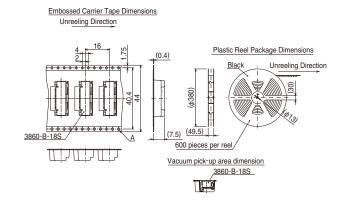


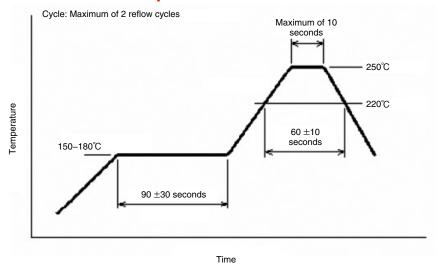
♠ Applicable Cable

	Cross Section	0.08mm ²
Conductor Size	Configuration	7 / 0.127mm
	Outer Diameter	∮ 0.38mm
Outer Diameter of Insulation	∮ 0.58mm	
Wire Size	AWG28	

UL STYLE OF APPLICABLE CABLE: 20620, 20276







Please check the mounting conditions before use, conditions such as solder paste types, manufacturer, PCB size and any other soldering materials may alter the performance of such materials.



HIROSE ELECTRIC CO.,LTD.

6-3,Nakagawa Chuoh-2-Chome,Tsuzuki-Ku,Yokohama-Shi 224-8540,JAPAN TEL: +81-45-620-3526 Fax: +81-45-591-3726 http://www.hirose.com

http://www.hirose-connectors.com