Product Catalog

FH82 Series

HIROSE ELECTRIC CO., LTD.

0.25mm Pitch, 0.65mm Height, Top Contact, One Action Lock, FPC Connector

FH™ OneAction

FH ··· Flip-Lock Pioneer Hirose

Patent Pending

Features

1 Ultra Low Height, Space-saving Design

Space-saving design with 0.65mm height and 0.25mm pitch

2 One Action Automatic Locking Design

There is no need to touch the actuator during insertion.

3 High FPC Retention Force

The lock lever holds the notches on both sides of the FPC for high FPC retention force even at small pin counts.

4 Original FPC Mis-mating Detection Design

Can detect mis-mating by using the FPC pattern for mating detection to confirm the insertion status.

5 Environmental Compatibility

Halogen Free
No chlorine or bromine exceeding the standard value is used in the connector.
*As defined by IEC 61249-2-21
Br : 900ppm Max., Cl : 900ppm Max., Br+Cl : 1,500ppm Max.

Click here to view the series page.
https://www.hirose.com/en/product/series/FH82

Aug.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

©2026 HIROSE ELECTRIC CO., LTD. All rights reserved.
Specifications herein are subject to change without notice. Contact Hirose for the latest specifications, drawings, and availabilities.

Product Specifications

Rated Current	0.2A
Rated Voltage	30V AC/DC
Operating Temperature (Note)	-55 to +85℃
Adaptive FPC Contact Specifications	t=0.2± 0.02mm Gold plated
Mating Durability	10 times

Note: Includes the temperature rise due to current flow

Materials / Finish

Component	Material	Color / Finish
Housing	LCP	Black
Actuator	LCP	Black
Contact	Copper Alloy	Gold Plating
Retention Tab	Copper Alloy	Gold Plating

Aug.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

©2026 HIROSE ELECTRIC CO., LTD. All rights reserved.
Specifications herein are subject to change without notice. Contact Hirose for the latest specifications, drawings, and availabilities.

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.

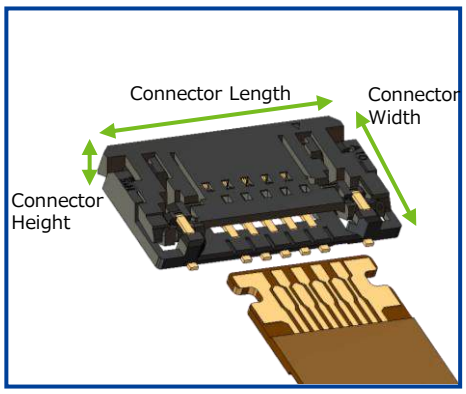
FH 82 A - 8S - 0.25 SHW (##)
1 2 3 4 5 6 7

1 Series Name	FH
2 Series No.	82
3 Connector Type	A: Lever Wide Type
4 No. of Pos.	8, 10, 14
5 Contact Pitch	0.25
6 Contact Type	SHW: SMT Horizontal Staggered Array Mounting Type
7 Specifications	Blank: Standard, 8000pcs/reel (99): 500pcs/reel (For trial production)

Aug.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

©2026 HIROSE ELECTRIC CO., LTD. All rights reserved.
Specifications herein are subject to change without notice. Contact Hirose for the latest specifications, drawings, and availabilities.

Connector Dimensions



*Please refer to the following 2D drawing links for Recommended PCB Mounting Pattern, Metal Mask Dimensions, Recommended FPC Dimensions, Packaging Specifications, FPC Construction (Recommended Specifications), Temperature Profile and Connector Operation and Precautions.

(mm)

HRS No.	Part No.	No. of Pos.	WEB Link	2D	SPEC	3D		Contact Pitch	Connector Length	Connector Width	Connector Height
CL0580-5502-0-00	FH82A-8S-0.25SHW	8	WEB	2D	SPEC	IGES	STEP	0.5	5.7	3.7	0.65
CL0580-5503-0-00	FH82A-10S-0.25SHW	10	WEB	2D	SPEC	IGES	STEP	0.5	6.2	3.7	0.65
Under Planning	FH82A-14S-0.25SHW	14	-	-	-	-	-	0.5	7.2	3.7	0.65

Aug.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

While taking into consideration

Specifications mentioned in this catalog are reference values.
When considering to order or use this product, please review the Drawing and Product Specifications sheets.
Use an appropriate cable when using the connector in combination with cables.
If considering usage of a non-specified cable, please contact your sales representative.
If assembly process is done by jigs & tools which are not identified by Hirose, the warranty of the product may be affected.
If considering usage for below mentioned applications, please contact your sales representative.
In cases where the application will demand a high level of reliability, such as automotive, medical instruments, public infrastructure, aerospace/ defense etc. Hirose must review before assurance of reliability can be given.

HIROSE ELECTRIC CO.,LTD.
Sales Headquarters: Kanagawa Prefecture Yokohama City Tsuzuki-ku Nakagawa Chuo 2-6-3
https: //www.hirose.com

*The contents of this catalog are current as of June 2026. Please note that the content may be changed without notice due to improvements, etc.
*The HRS logo and "HIROSE" are trademarks of Hirose Electric Co., Ltd.