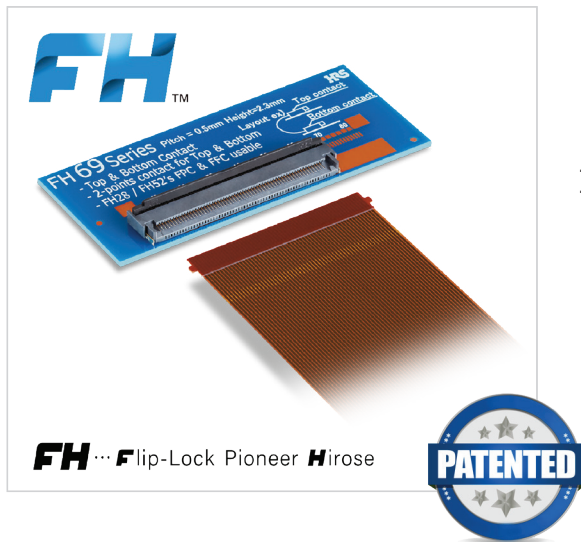




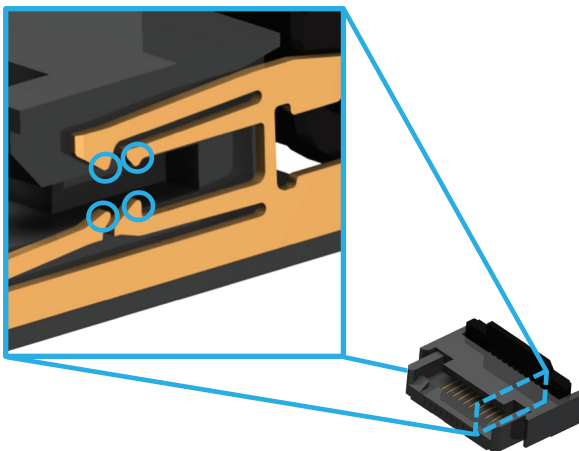
FH69 Series

0.5mm Pitch, 2.3mm Height,
Top & Bottom Independent Two-Point Contact,
125°C* Heat Resistance Back Flip FPC/FFC Connector

FEATURES:

1. Industry's first top & bottom independent two-point contact design
 - Highly reliable contact resistant to dust intrusion, shock and vibration
 - Design safe for use in harsh conditions
2. Top & bottom contact design improves board design flexibility and ease of assembly
3. Land pattern compatible with FH75, FH52E/K/T and FH28K, reducing labor time during substitution
4. 125°C* heat resistance satisfies stringent test requirements for various types of automotive applications

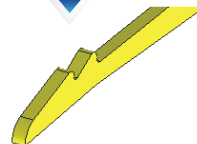
1. Industry's First Top & Bottom Independent 2-point Contact Design



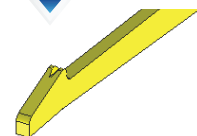
Each of the 4 contact points on the top and bottom maintains independent spring properties.

Even if dust is caught in one contact point, the other contacts remain in contact, unlike Two-Rib Contact or V-Cut Contact.

Two-Rib Contact

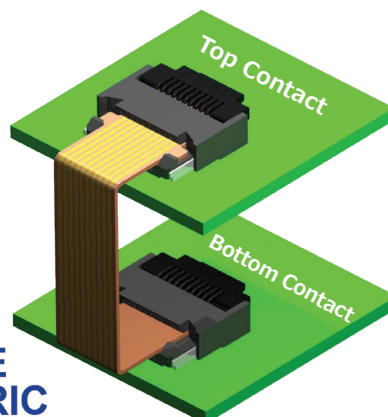


V-Cut Contact



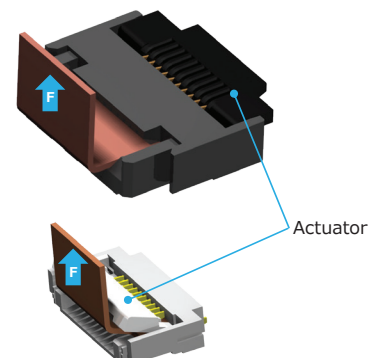
2. Top & bottom contact design improves board design flexibility and ease of assembly

**Universal Use
Regardless of
Contact Direction**



Back Flip Design: Resistant to Upward and Downward Routing

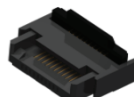
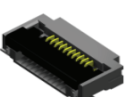
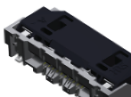
Back Flip Design:
Secure closure
**Prevents unexpected
actuator opening**



Front Flip Design:
Easy to Open

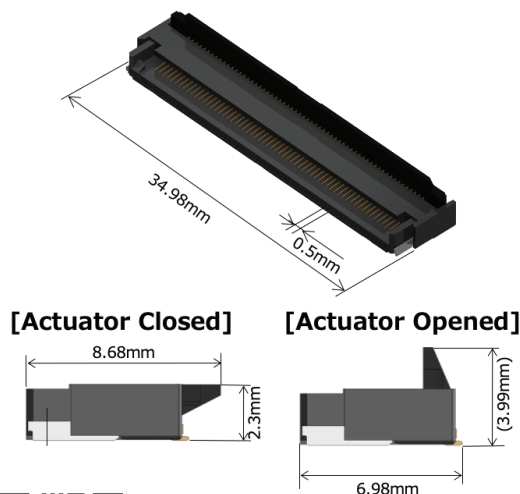
3. Land pattern compatible with FH75, FH52E/K/T, and FH28K, reducing labor time during substitution

FPC/FFC Connectors Variations for Automotive

Product Name	FH69	FH75	FH52K	FH28K	FH65	FH63S
Product Image						
Pitch (mm)	0.5					
Height (mm)	2.3	2.0		2.55	1.2	2.8
Heat Resistance	+125℃*					
Contact Point	Top & Bottom Contact	Bottom Contact Point				
Number of Contact Points	Top & Bottom: Two-Point	Two-Point	One-Point			Two-Point
Lock	Back Flip	Front Flip				One Action Lock
Land Pattern	[FH69 Exclusive] Land Pattern compatible with FH75, FH52E/K/T, and FH28K	[Compatible] Can be used with FH69		[FH28K Exclusive] Can be used with FH69	FH65 Exclusive	FH63S Exclusive
FPC/FFC Pattern	Compatible			[FH28K Exclusive] Can be used with FH69	FH65 Exclusive	FH63S Exclusive

Dimensions

Dimensions Example : 60pos.
Item Name : FH69-60S-0.5SH



For additional information please go to
<https://www.hirose.com/product/series/FH69>
Specifications herein are subject to change without notice.
Contact Hirose for latest specifications, drawings, or availabilities.

Specifications

Rated Current	0.5A
Rated Voltage	50V AC/DC
Operating Temperature	-55 to +125°C*1
Contact Resistance*2	Initial : 50mΩ Max. After the Test: 70mΩ Max. *2 Includes FPC/FFC Conductor Resistance (L=8mm)
Withstanding Voltage	150V AC for 1 min.
Insulation Resistance	500MΩ Min. (100V DC)
Mating Durability	10 times

- RoHS, Halogen-free*3 Compliant
- No. of Pos. : 60pos. (Mass Production)
10, 20, 30, 40, 50pos. (Planned for Production)

*3 This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.

STAY CONNECTED

