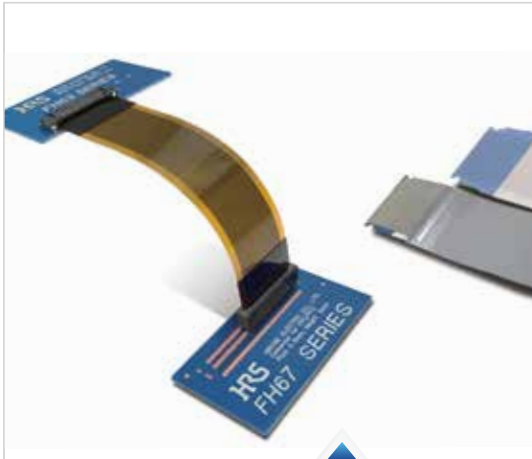


FH67 Series

0.5mm Pitch, 3.57mm depth One Action Lock, Vertical Connection FPC/FFC/Shield FFC connector

FEATURES:

- ▶ One action lock suitable for robotic assembly
- ▶ High reliability with two-point independent spring contact design. Wiping action reduces contact failure due to dust intrusion.
- ▶ 125°C heat resistance connector to satisfy severe automotive requirements
- ▶ Excellent FPC/FFC insertion operability & high retention force
- ▶ Shielded FFC prevents EMI



FH67 INTEGRATES VARIOUS TECHNOLOGY ADVANCEMENTS

Overview

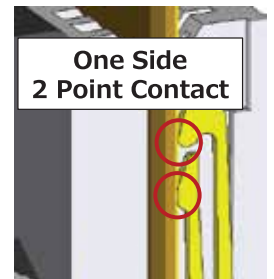
Robust, High Retention Force

Dust Prevention
 (Two-point contact, Wiping function)

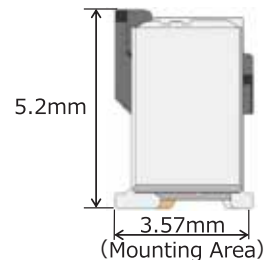
One Action Lock

High Heat Resistance

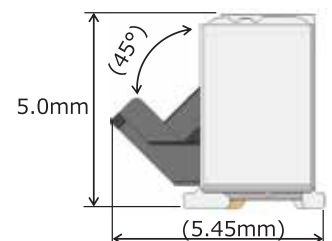
EMI Prevention
 (Accepts shielded FFC)



[Lock Lever Closed]



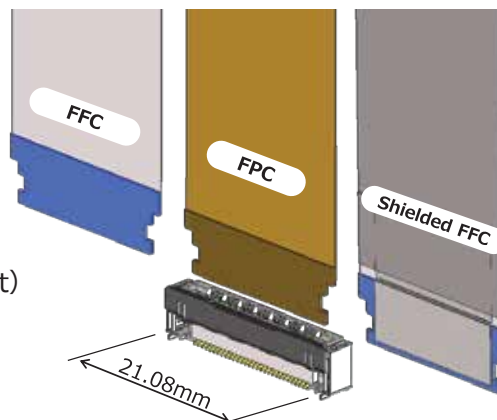
[Lock Lever Opened]



Dimension Example (30pos.)

- ▶ 0.5mm Pitch
- ▶ FPC/FFC Thickness=0.33 ±0.03mm (0.30±0.05mm is planned for development)

Accepts FPC/FFC/Shielded FFC

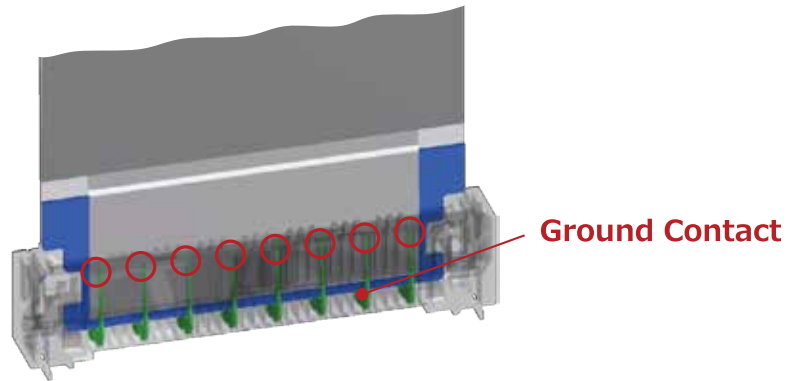


HRS HIROSE ELECTRIC CO., LTD.

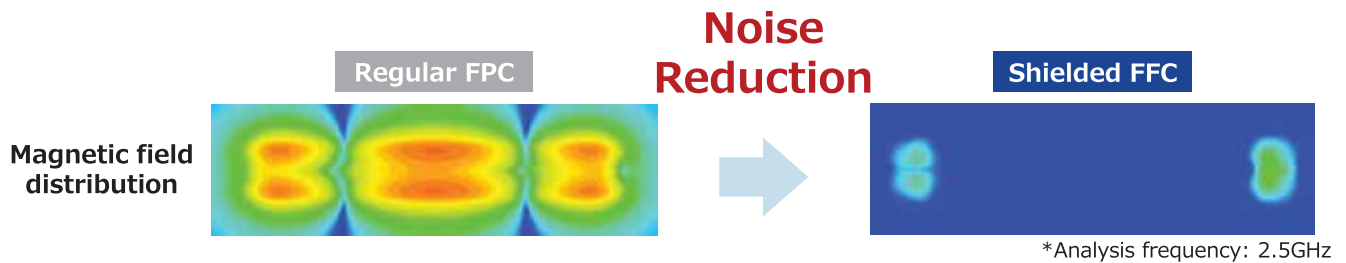
EMI Prevention

Ground contacts allow shielded FFC usage.

Ground contacts and FFC shielded side have multiple contact points.



Shielded FFC Reduces Emitted Noise



Specifications

MATERIAL & FINISH		
Component	Material	Finish, Remarks
Housing	LCP	Gray/UL94V-0
Lock Lever	LCP	Black/UL94V-0
Signal Contact	Copper Alloy	Contact Area/Mounting Area: Gold Plated Over Nickel Underplating Other: Nickel Plating
Ground Contact	Copper Alloy	Tin Plating (Reflow Finished)
Solder Tab	Copper Alloy	Tin Plating (Reflow Finished)

CHARACTERISTICS	
Rated Current*2	0.5A
Rated Voltage	50V AC/DC
Contact Resistance	[FPC] Initial: 60mΩ Max., After Each Test: 80mΩ Max. (Including Bulk Resistance L=8) [FFC] Initial: 80mΩ Max., After Each Test: 100mΩ Max. (Including Bulk Resistance L=26mm)
Insulation Resistance	500MΩ Min. (100V DC)
Withstanding Voltage	150V AC for 1 min.
Operating Temperature	-55 to +125°C

- Reflow Temperature: 250°C Max.
- Variations: 30pos. (Under development: 10, 20, 40pos.)
- RoHS, Halogen-free* product

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



For additional information please go to www.hirose.com/product/series/FH67

Specifications herein are subject to change without notice.
Contact Hirose for latest specifications, drawings, or availabilities.

STAY CONNECTED

