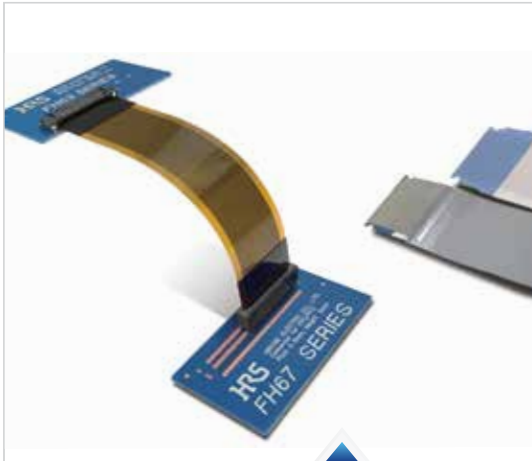


FH67 Series

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

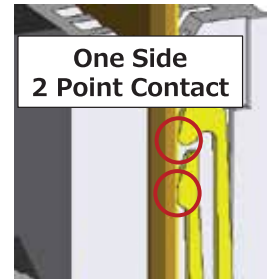
Robust, High Retention Force

Dust Prevention
 (Two-point contact, Wiping function)

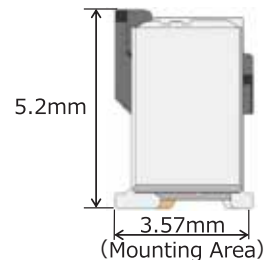
One Action Lock

High Heat Resistance

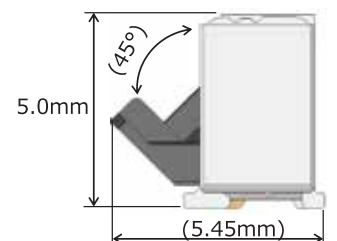
EMI Prevention
 (Accepts shielded FFC)



[Lock Lever Closed]



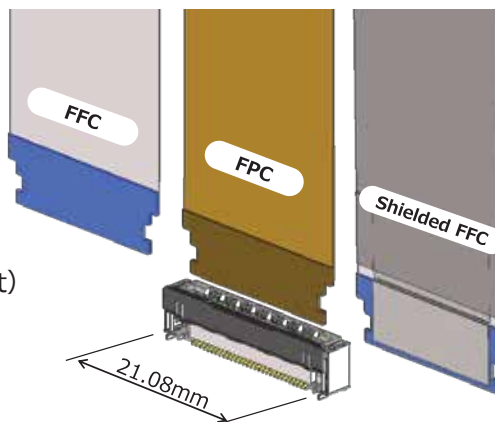
[Lock Lever Opened]



Dimension Example (30pos.)

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

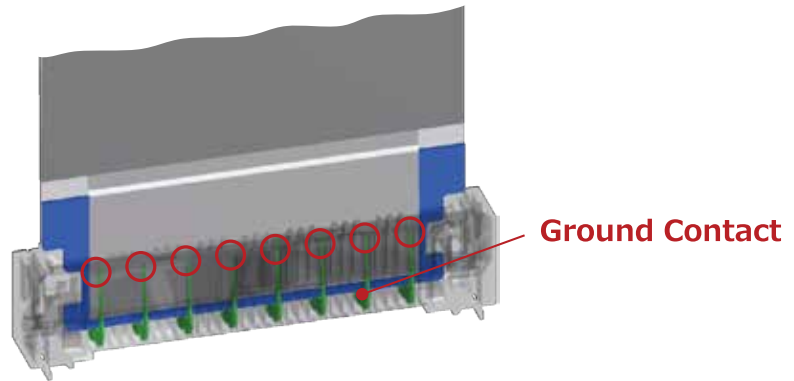
Accepts FPC/FFC/Shielded FFC



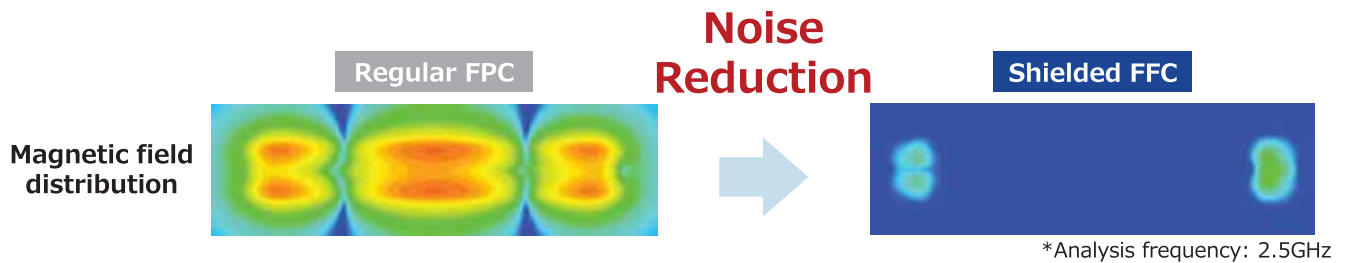
EMI Prevention

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

