



EASY FPC INSERTION SUPPORTS
AUTOMATIC ASSEMBLY

FH72 Series

0.3mm Pitch, 0.9mm Height, Top Contact
One Action Lock, High FPC Retention Force Connector

FEATURES:

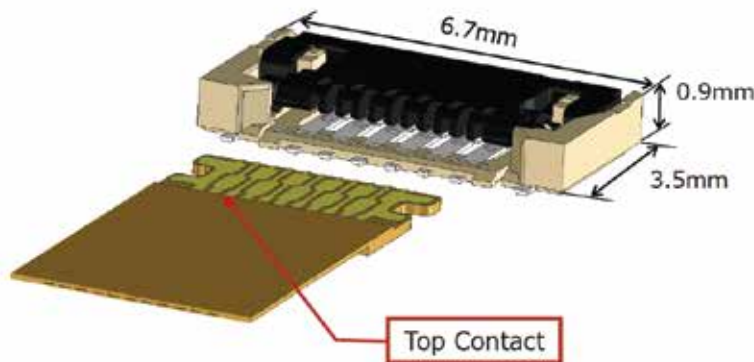
- ▶ Space-saving design
- ▶ Automatic one action lock design
- ▶ Easy FPC insertion force
- ▶ High FPC retention force
- ▶ Compatible with 0.2mm thickness FPC
- ▶ Detect FPC Mis-Mating
- ▶ Wide FPC Entry Guide
- ▶ Wiping Action cleans contacts when mating
- ▶ Solder Wicking Prevention



Dimensions

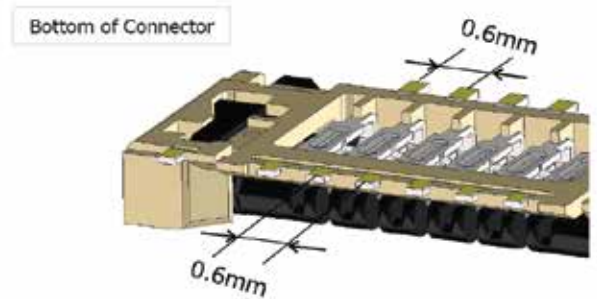
EXAMPLE (11POS.)

- Space-saving & Easy PCB Mounting
- 0.3mm pitch
 - FPC thickness = 0.2 ± 0.03 mm



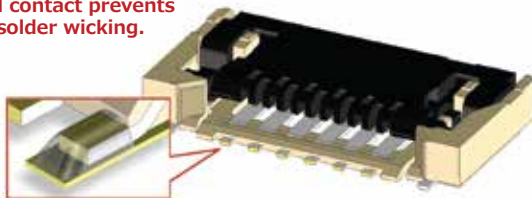
DOUBLE-SIDED LEAD DESIGN FOR EASY PCB MOUNTING

0.6mm mounting lead pitch



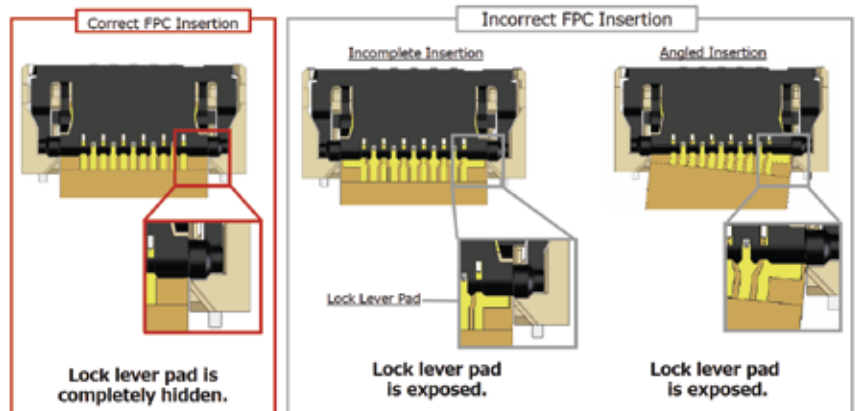
Solder Wicking Prevention

No gap between housing
and contact prevents
solder wicking.



Visual FPC Insertion Confirmation

Detects FPC Mis-Mating



One-Action Lock

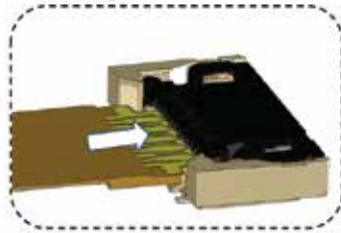
FPC INSERTION

1 Insert FPC

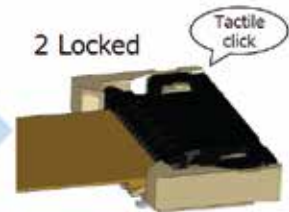


One action insertion with secure lock

(Inserting)

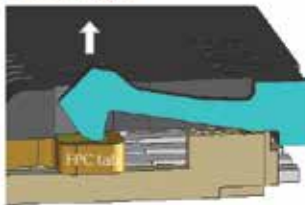


2 Locked



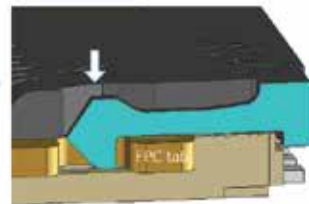
No need to operate actuator during insertion. Eliminates actuator damage.

Inserting



FPC tab pushes up lock lever during insertion

Inserted



Lock lever firmly holds the FPC tabs when FPC is fully inserted.

Specifications

MATERIAL & FINISH

Component		Material	Finish, Remarks
Housing	LCP*	Beige / UL94V-0	
Actuator	Polyamide*	Black / UL94V-0	
Contact	Copper Alloy*	Contact and Lead Area : Gold Plating (Nickel Underplating) Other : Nickel Plating	

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

CHARACTERISTICS

Contact Resistance	100mΩ Max. (Includes FPC/FFC conductor resistance.)
Withstand Voltage	90V AC for 1min.
Insulation Resistance	500MΩ Min. (100V DC)
Rated Current	0.2A
Rated Voltage	30V AC/DC
Operating Temperature	-55 to +85°C

- Pos. varieties: 11, 21, 31 pos. (Planned for Development: 7 to 31pos.)
- FPC thickness at contact area: 0.2±0.03mm
- Reflow temperature: 250°C Max.
- RoHS compliant, Halogen-Free product



For additional information please go to <https://www.hirose.com/product/series/FH72>
 Specifications herein are subject to change without notice.
 Contact Hirose for latest specifications, drawings, or availabilities.

STAY CONNECTED

