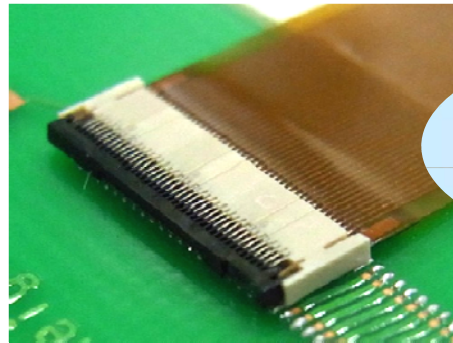




FH53/FH53M Series

ITS-P-12018FH_1.1

0.2/0.25/0.3mm Pitch, 0.65 mm Height, Top Contact, Back Flip FPC Connector



0.2 mm Pitch
High Density
FPC
Connector

◆ Features

1. Reduced mounting space by narrow pitch(FH53: 0.2mm/FH53M: 0.25mm,0.3mm)
2. Short depth: 3.2 mm (locked position)
3. FPC thickness at contact area: 0.12 ± 0.02 mm (top contact)
4. Multi-functional chucking metal for FPC temporary holding and improved connection reliability
5. Movable lock metal allows horizontal FPC insertion/withdrawal
6. Wide tapers for smooth FPC insertion
7. Solder wicking and flux penetration prevention
8. Board area under the connector is available for PCB patterning
9. Outer lead design for visual check
10. RoHS compliant, halogen-free product*

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

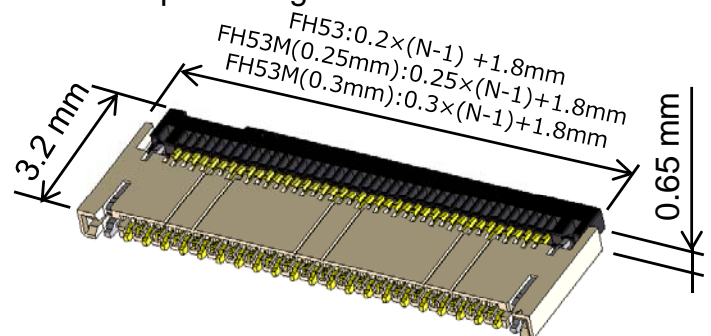
◆ Dimensions (41 pos.)

Pitch/Mounting pitch:

- FH53 : 0.2mm / 0.4mm
- FH53M(0.25mm) : 0.25mm / 0.5mm
- FH53M(0.3mm) : 0.3mm / 0.6mm

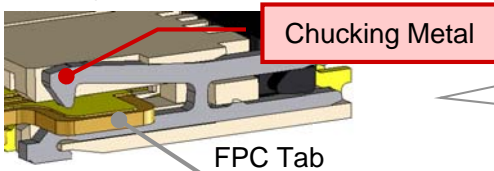
FPC thickness : 0.12mm

Light weight : 0.034g



◆ Chucking metals provide multi-functions in addition to metal hold down.

[During FPC Insertion/withdrawal]



Movable chucking metal allows tabbed FPC in back flip design.

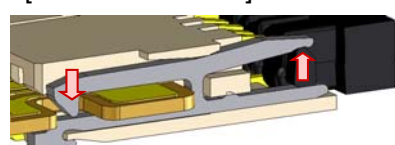
[FPC in Place]



FPC Insertion Support & Temporary Hold

- Clear tactile click completes correct FPC positioning and prevents FPC mis-insertion.
- Provides FPC temporary hold before locking operation.

[Locked Condition]



High FPC Retention Force

Chucking metal closes along with the lock operation and firmly holds the FPC tab.

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