# FH53/FH53M Series

HRS 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

This product satisfies halogen free requirements

defined as 900 ppm maximum chlorine, 900 ppm maximum bromine, and 1500 ppm maximum total

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### 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:  $0.12 \pm 0.02$  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\*
- Dimensions (41 pos.) Pitch/Mounting pitch:

: 0.2mm / 0.4mm FH53M(0.25mm): 0.25mm / 0.5mm

FH53M(0.3mm) : 0.3mm / 0.6mm

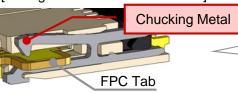
FPC thickness: 0.12mm Light weight: 0.034g

FH53:0.2×(N-1) +1.8mm FH53M(0.25mm):0.25x(N-1)+1.8mm FH53M(0.3mm):0.3×(N-1)+1.8mm

of chlorine and bromine.

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

[During FPC Insertion/withdrawal]

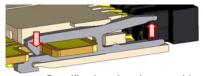


Movable chucking metal allows tabbed FPC in back flip design.

[FPC in Place]



[Locked Condition]



# **FPC Insertion Support & Temporary Hold**

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

## 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.