

FH Flip-Lock Pioneer **Hirose**

Features

- 1 Consistent reliability**
 - High FPC retention force with FPC side catch design
- 2 Back Flip/Front Axis™**
 - Actuator is closed during delivery and mounting to prevent damage
 - Contact gap for FPC insertion is guaranteed regardless of actuator operation
- 3 User-friendly design**
 - Tapers for smooth FPC/FFC insertion
 - Can check FPC position
- 4 Suitable for automotive infotainment**



Back Flip



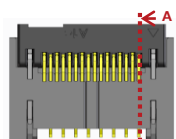
Close without FPC



Automotive

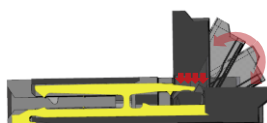
Contacts Prevent Actuator from Coming Off

Conventional Back Flip

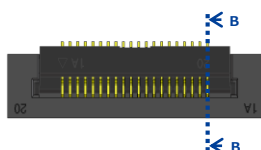


⇒ Contact supports the rotating axis of the actuator only in the upward direction

A-A Cross sectional view

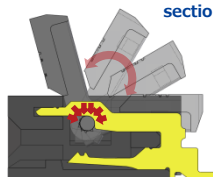


TF45



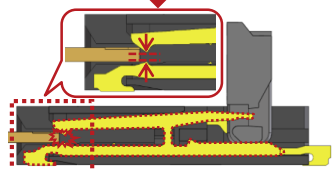
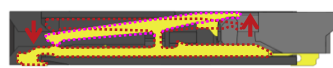
⇒ Contact covers the rotating axis of the actuator.

B-B Cross sectional view



Contact Deformation Prevention

Conventional Back Flip



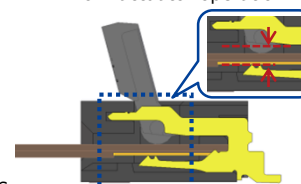
If the actuator is closed when the FPC is not inserted and then reopened, the contact gap becomes narrower.

⇒ **FPC insertion force increases**

TF45



No effect on the contact from actuator operation



No change in the contact gap

⇒ **Superior FPC insertion**

Specifications

Rated Current	0.5A
Rated Voltage	50V AC/DC
Operating Temperature	-40 to +105°C
Contact Resistance*	50mΩ Max.
Insulation Resistance	500MΩ Min. (500V DC)
Withstanding Voltage	250V AC for 1 min.

* Includes FPC conductor resistance

- Reflow temperature: 250°C^{*1} Max.
- RoHS compliant, Halogen-free product^{*2}
- Variations : 10, 15, 20, 25, 30, 40, 50, 60pos.

^{*1} Lead-free solder has been used.

^{*2} This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1,500ppm maximum total of chlorine and bromine.