

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



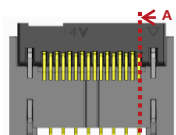
Close without FPC



Automotive

Contacts Prevent Actuator from Coming Off

Conventional Back Flip

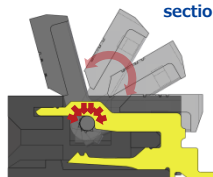


⇒ Contact supports the rotating axis of the actuator only in the upward direction

A-A Cross sectional view

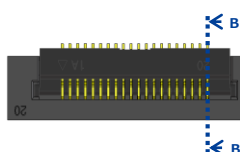


B-B Cross sectional view



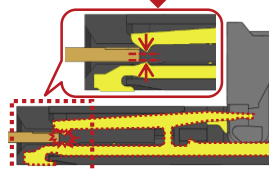
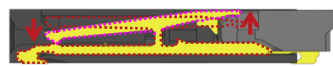
⇒ Contact covers the rotating axis of the actuator.

TF45



Contact Deformation Prevention

Conventional Back Flip



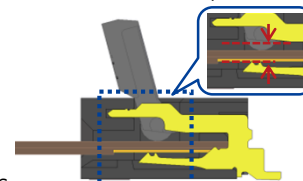
If the actuator is closed when the FPC is not inserted and then reopened, the contact gap becomes narrower.

⇒ 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.