

FH Flip-Lock Pioneer Hirose

Features

- Space-Saving**
 - 0.5mm Pitch, 3.9mm Mounting Depth, 1.0mm Height
- Back Flip Design (Front Axis™ Type)**
 - Actuator is closed during delivery and mounting to prevent damage
 - Contact gap for FPC insertion is guaranteed regardless of actuator operation
- High Reliability**
 - High FPC retention force with FPC side catch design
 - Solder wicking and flux penetration prevention



P= 0.5mm



Back Flip

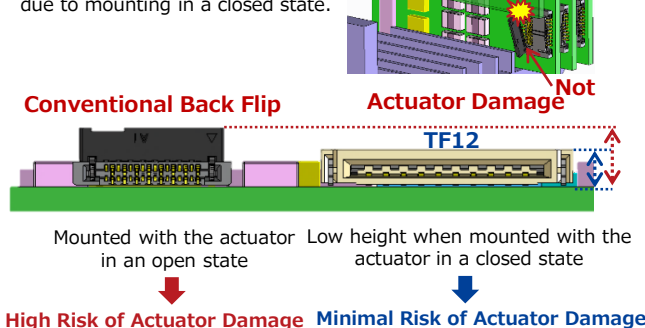


Close without FPC

Actuator Damage Prevention

When stacking in a rack:

Lower risk of actuator damage due to mounting in a closed state.

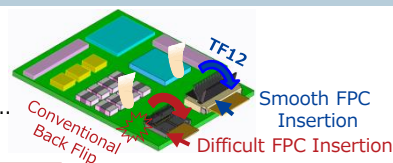
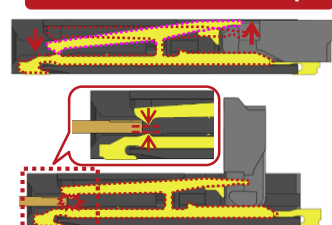


Can Close Actuator Before FPC Insertion

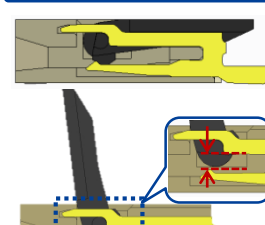
In case of unintentional actuator closing:

When the actuator is accidentally closed without the FPC inserted...

Conventional Back Flip



TF12



Specifications

Rated Current	0.5A
Rated Voltage	50V AC/DC
Operating Temperature	-55 to +85°C
Contact Resistance*1	100mΩ Max.
Insulation Resistance	500MΩ Min. (100V DC)
Withstanding Voltage	150V AC for i min.

*1 Including FPC resistance

- Reflow Temperature: 260°C Max.

- FPC Thickness: 0.2±0.03mm

- RoHS, Halogen-free*2 product

- Variations:

(TF12 and TF12S differ in the recommended FPC specifications. TF12S and TF12SD differ in the actuator materials.)

TF12: 9pos.

TF12S: 4, 6, 13, 15, 20pos.

TF12SD: 10pos.

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

Mouser Electronics

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[TF12-9S-0.5SH\(800\)](#)