FLYER

TF42 Series

0.35mm Pitch / 0.9mm Height / Bottom Contact

Back Flip(Front Axis™), FPC Connector

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FH ··· Flip-Lock Pioneer Hirose

Features



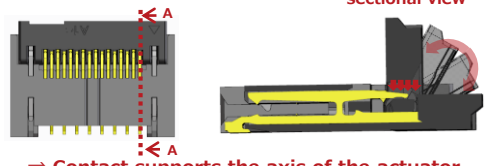
1 Space-Saving
- 0.35mm Pitch, 3.0mm Mounting depth, 0.9mm Height

2 Back Flip Design (Front Axis™)
- Actuator is closed during delivery and mounting to prevent damage
- Contact gap for FPC insertion is guaranteed regardless of actuator operation

3 High reliability
- High FPC retention force with FPC side catch design
- Solder and flux wicking prevention

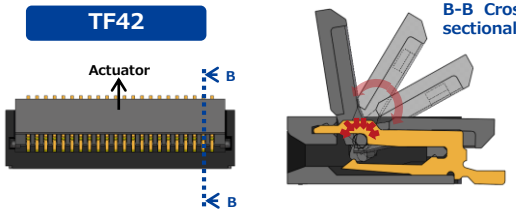
Actuator Damage Prevention

Back Flip



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

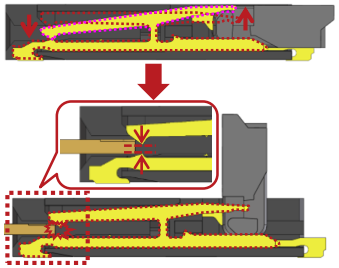
TF42



⇒ Contact surrounds the axis of the actuator.

Contact Deformation Prevention

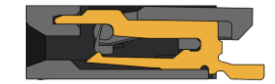
Back Flip



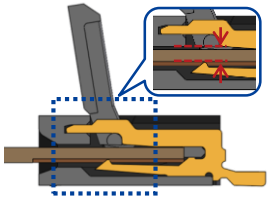
If the actuator is closed when the FPC is not inserted and then reopened, the contact gap narrows

⇒ FPC Insertion force increases

TF42



No effect on the contact due to actuator rotation



No change in the contact gap

⇒ Superior FPC insertion

Specifications

Rated Current	0.4A
Rated Voltage	30V AC/DC
Operating Temperature	-55 to +85°C
Contact Resistance*1	100mΩ Max.
Insulation Resistance	500MΩ Min. (DC 100V)
Withstanding Voltage	150V AC for 1 min.
Reflow temperature	Max.250℃*2

・RoHS compliant, Halogen-free product*3

*1 FPC resistance is included.
*2 Lead-free solder has been used.
*3 This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1,500ppm maximum total of chlorine and bromine.

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