TF07V Series



Applications:













Industrial Robotics

Medical

Consumer Electronics

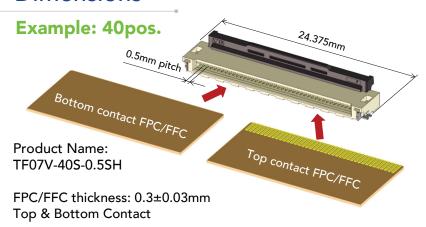
Hirose Electric Proudly Introduces the TF07V Series

Our latest innovation in connector technology. With a 0.5mm pitch and a height of just 2.1mm, it's perfectly suited for the confined spaces of industrial robotics, offering a robust actuator design. The dual-contact functionality simplifies flex routing in medical applications, while its superior retention force makes it a reliable choice for the intricate assemblies of consumer electronics. Experience the perfect blend of size, performance, and reliability with the TF07V Series, designed for the precise demands of modern technology.

0.5mm Pitch, 2.1mm Height, Top & Bottom Contact, Back Flip FPC/FFC Connector

- Space-saving: 0.5mm pitch, 6.5mm depth, 2.1mm height
- Available for various module designs with top & bottom contact design
- Superior retention force by back flip design
- Actuator design prevents separation from the connector body
- High workability Delivered with the actuator open for easy two-step mating
- Suitable for FPC/FFC standard thickness 0.3±0.03mm

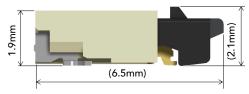
Dimensions



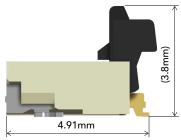


CLICK HERE TO ORDER
SAMPLE NUMBER:
US-TF07VSAMPLE-24

Closed Actuator



Open Actuator



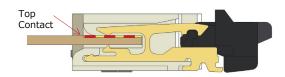
0.5mm pitch, Top and bottom contact, Back flip connector



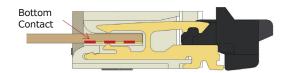
Board Design Flexibility: Universal Use Regardless of Contact Direction

Horizontal Connection Design

■ Cross-sectional View of Top Contact



■ Vertical Connection Design



Superior Retention Force

TF07V: Back Flip Design **BACK FLIP DESIGN RESISTANT TO UPWARD &** DOWNWARD ROUTING

Specifications

Material and Finish



Although FPC is

not affected.

pulled up, the actuator is

Performance Characteristics

¹¹ This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1,500ppm maximum total of chlorine and bromine.

Vertical Connection Design

Bottom Contact

Top Contact

Actuator is

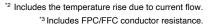
Securely Closed

1 Chomianos Characteriotico	
Rated Current	0.5A
Rated Voltage	50V AC/DC
Operating Temperature	-40 to T 85°C' ²
Contact Resistance	50mΩ Max." ³
Withstanding Voltage	150V AC for 1 min. 100MΩ
Insulation Resistance	Min.¥ 500V DC] 20 times
Mating Durability	



For additional information please go to https://www.hirose.com/en/product/series/TF07V

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings, or availabilities.







[:] RoHS compliant, Halogen-free*1 product

[:] Variations: 30, 40, 50, 60pos.