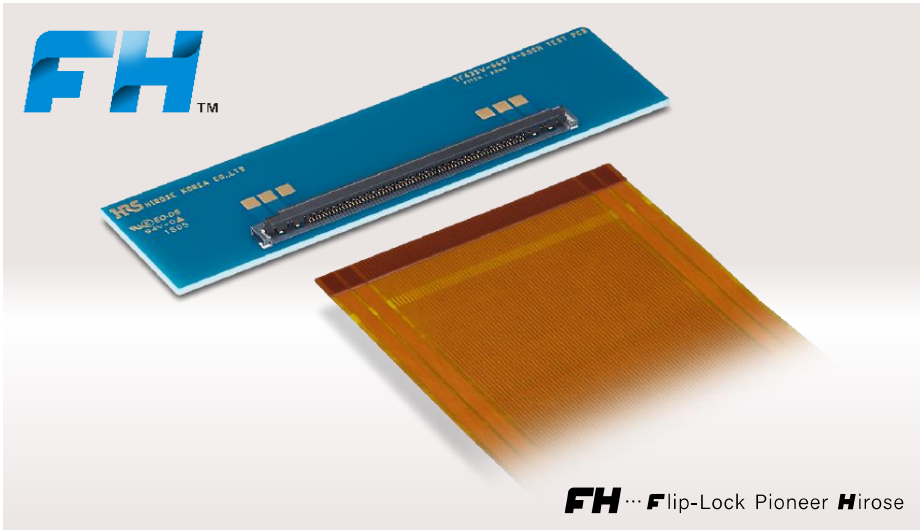
FLYER

TF43SW Series

0.5mm Pitch / 1.2mm Height / Bottom Contact

Power & Signal Hybrid FPC/FFC Connector Supporting 12A (6A/pos.)

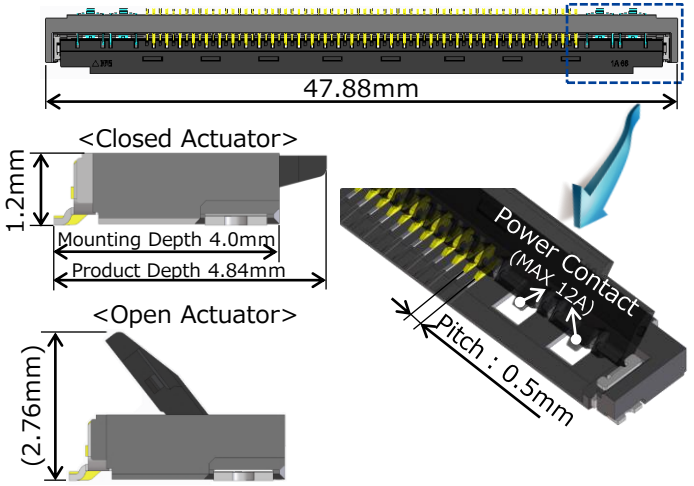


Features

P= 0.5 mm — P= 0.5mm | Power / Signal | High-Current

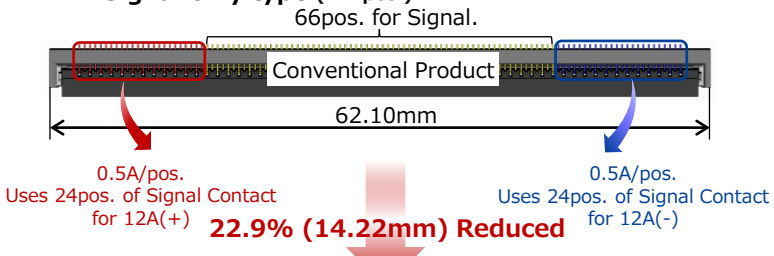
1. **Power & signal hybrid FPC/FFC connector suitable for power line connection**
   - **Power contact : 12A (6A/pos.)**
   - **Signal contact : 0.5A**
2. **Space-saving compared to products with same permissible current**
3. **Prevents actuator separation and unintended actuator opening**
4. **Enhanced contact reliability by 2-point contact design**
5. **Solder wicking prevention by nickel barrier plating**
6. **Suitable for FPC/FFC with standard thickness of 0.3±0.03mm**

Dimensions



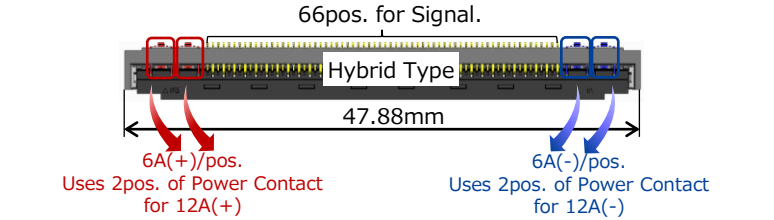
Space-Saving & High Current (12A)

■ **Signal only type (114pos.)**



22.9% (14.22mm) Reduced

■ **TF43SW Series (Power 4pos. + Signal 66pos.)**



Specifications

Rated Current	Power Contact : 12A (6A/pos.) Signal Contact : 0.5A
Rated Voltage	50V AC/DC
Operating Temperature	-40 to +85°C
Contact Resistance*1	50mΩ Max. (20mV AC Max., 100mA Max.)
Withstanding Voltage	150V AC for 1 min.
Insulation Resistance	500MΩ Min. (100V DC)

- Variations : 66pos.
- Reflow Temperature : 250℃ Max.
- FPC/FFC Thickness : 0.3±0.03mm (Copper Foil = 2oz)
- RoHS, Halogen-free *2 product

*1 Including FPC/FFC resistance

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

HIROSE ELECTRIC CO., LTD.

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