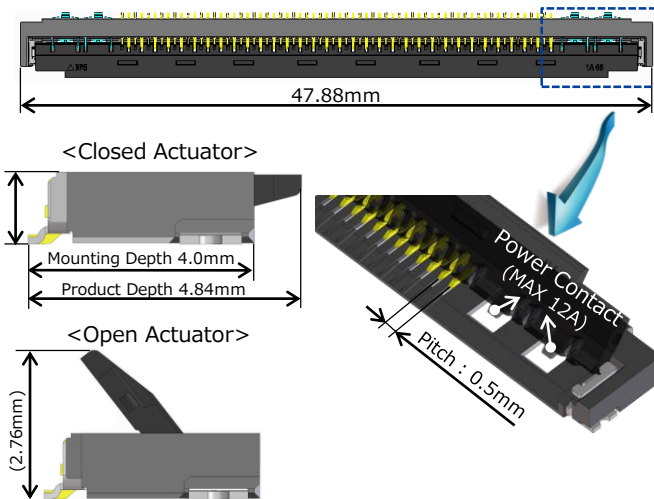


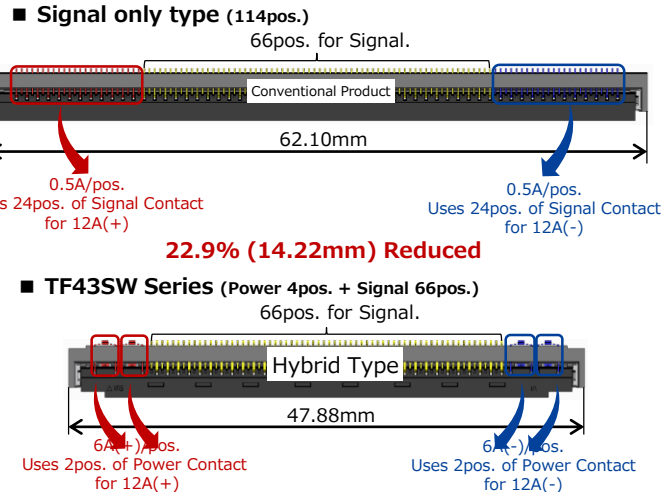
Features

- 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)



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)

*1 Including FPC/FFC resistance

- Variations : 66pos.

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

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Россия +7(495)268-04-70

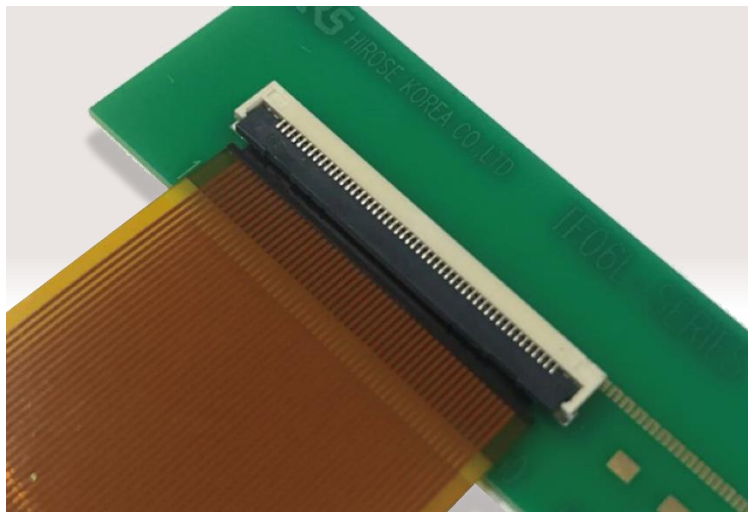
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)272-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Казахстан +7(7172)727-132

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

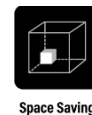
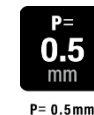
Киргизия +996(312)96-26-47

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

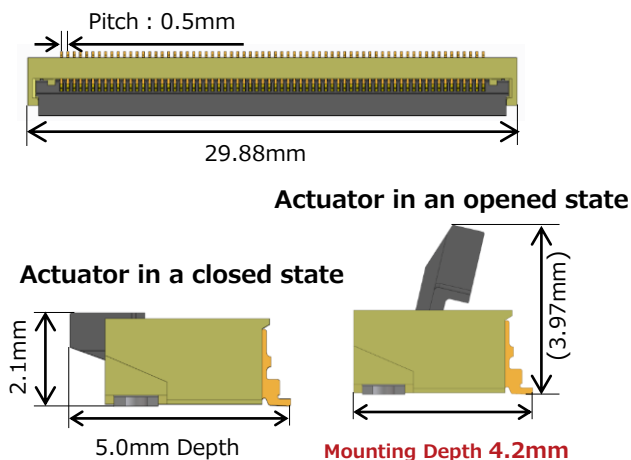


Features

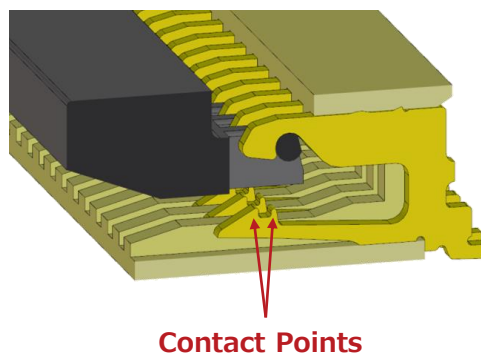
- 1 **Space-saving**
 - 0.5mm Pitch, 2.1mm Height, 4.2mm Mounting Depth
- 2 **User-Friendly design**
 - Clear tactile click
- 3 **High reliability**
 - Enhanced contact reliability by 2-point contact
 - High FPC retention force with FPC side-catcher design



Dimensions (50pos.)



2-point Contact Design



Enhanced contact reliability
by 2-point contact design

Specifications

Contact Resistance ^{*1}	50mΩ Max.
Withstanding Voltage	250V AC for 1 min.
Insulation Resistance	500MΩ Min.(500V DC)
Rated Current	0.5A
Rated Voltage	50V AC/DC
FPC Thickness	0.3±0.03mm

• RoHS compliant, Halogen-free product ^{*2}

^{*1} FPC resistance is included.

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



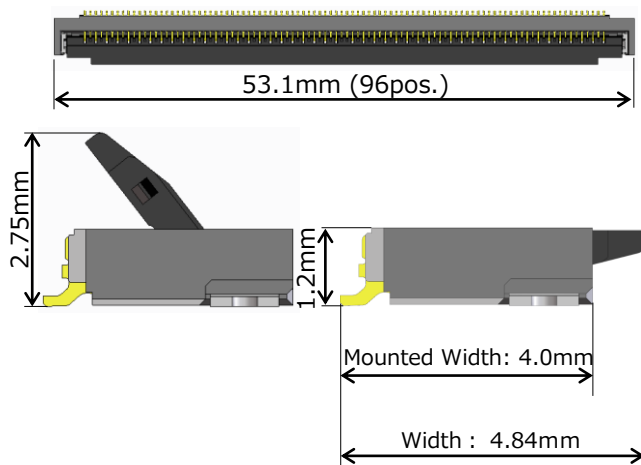
FH Flip-Lock Pioneer **H**irose

Features

- 1 Space-saving: Low-profile 1.2mm height design
- 2 Contacts prevent actuator from coming off by supporting the actuator's axle
- 3 Improved contact reliability by 2-point contact design
- 4 Actuator's protrusion design prevents unintentional opening
- 5 Secure mating with clear tactile click

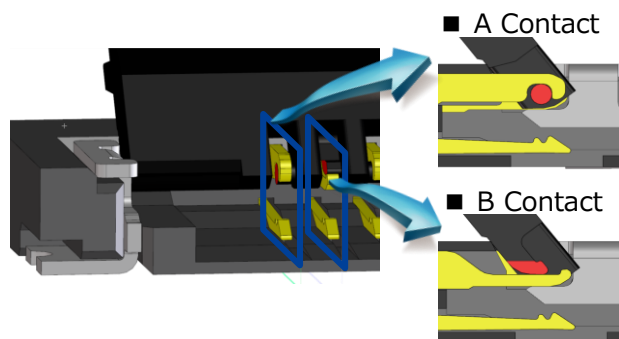


Dimensions



Contacts Prevent Actuator from Coming Off

Contacts support actuator axle and prevent actuator fall off.



Specifications

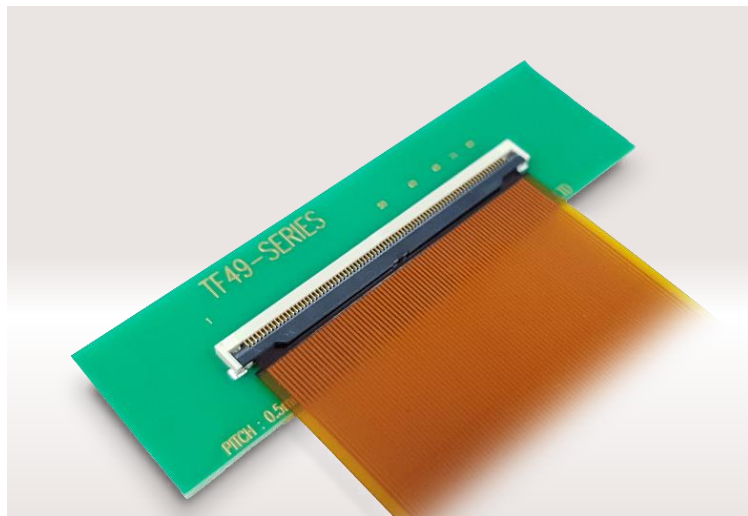
Rated Current	0.5A
Rated Voltage	50V AC/DC
Operating Temperature	-40 to +85°C
Contact Resistance*	50mΩ Max.
Insulation Resistance	500MΩ Min. (100V DC)
Withstanding Voltage	150V AC for 1min.

* Includes FPC / FFC conductor resistance

- Reflow Temperature: 250 °C *¹ Max.
- Variations: 96pos.
- RoHS compliant, halogen-free product*²

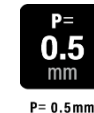
*¹ Lead-free solder has been used.

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

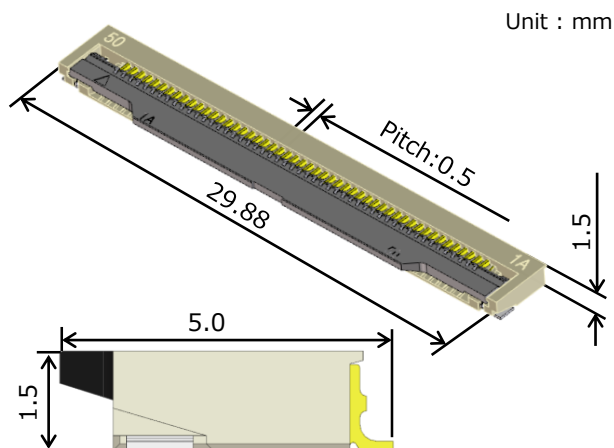


Features

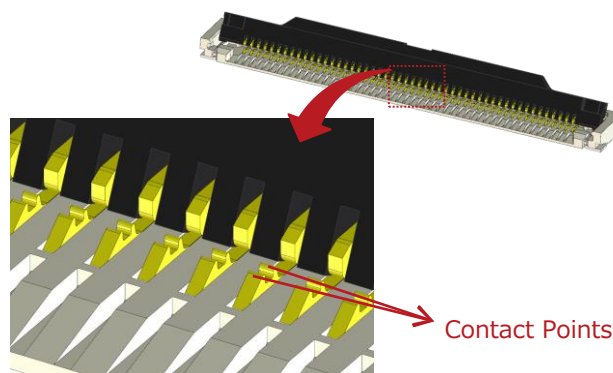
- 1 **Slim design**
 - 0.5mm Pitch, 1.5mm Height, 4.2mm Mounting depth
- 2 **User friendly design**
 - Clear tactile click
- 3 **High reliability**
 - Enhanced contact reliability by 2-point contact
 - High FPC retention force with FPC side-catch design
 - Solder wicking and flux penetration prevention



Dimensions (50pos.)



2-point Contact Design



Enhanced contact reliability
by 2-point contact design

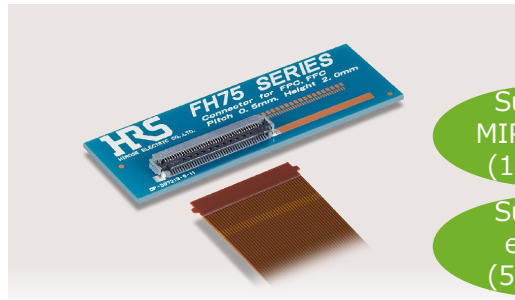
Specifications

Contact Resistance ^{*1}	50mΩ Max.
Withstanding Voltage	250V AC for 1 minute
Insulation Resistance	500MΩ Min. (500V DC)
Rated Current	0.5A
Rated Voltage	50V AC/DC
FFC/FPC Thickness	0.3±0.03mm

• RoHS compliant, Halogen-free product ^{*2}

^{*1} FPC resistance is included.

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



Supports
MIPI D-PHY
(1.5Gbps)

Supports
eDP1.3
(5.4Gbps)

Features

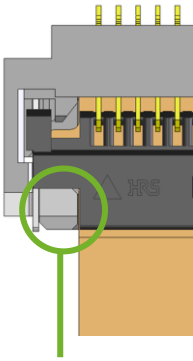
- 1 Independent two-point contact design reduces contact failure due to dust intrusion.
- 2 125°C heat resistance to satisfy severe automotive requirements
- 3 High FPC retention force with FPC tab and housing side catches
- 4 PCB and FPC/FFC compatible with FH52E/K/T

* The heat resistant temperature when using FFC is 105°C.
When the heat resistant temperature is less than 125°C for FPC and 105°C for FFC, the heat resistant temperature of the FPC/FFC is applied.

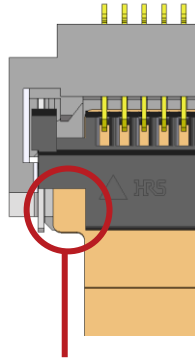
Patented

Incomplete Mating Prevention

Correct Mating



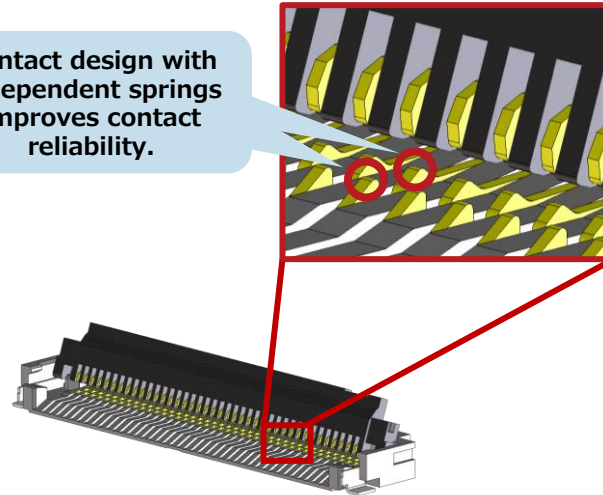
Incomplete Mating



No FPC Tab Detection FPC Tab Detection

Two-Point Contact Design

Contact design with independent springs improves contact reliability.



Specifications

Rated Current	0.5A
Rated Voltage	50V AC/DC
Operating Temperature	-40 to +125°C*1
Contact Resistance	50mΩ Max. *2 Includes FPC/FFC conductor resistance (L=8.0mm)
Withstanding Voltage	150V AC for 1 min.
Insulation Resistance	500MΩ Min. (100V DC)
Mating Durability	20 times

*1 Includes the temperature rise due to current flow.

- RoHS compliant
- No. of Pos. : 10, 40, 60, 68pos. (Mass Production)

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Россия +7(495)268-04-70

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Казахстан +7(7172)727-132

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Киргизия +996(312)96-26-47