

Indoor LED Lighting Connector Lineup

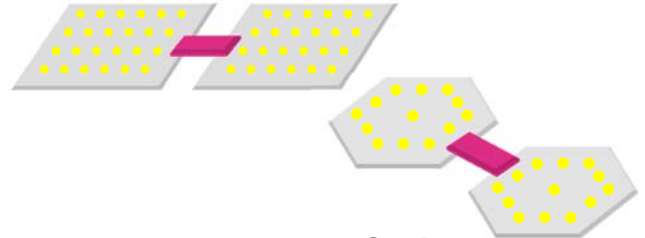
Hirose Electric, a world leader in the development of innovative electronic connectors over the last 70 years, offers a number of different connector solutions for almost any LED lighting need. LED lighting is a rapidly growing market due to the economic, environmental and aesthetic advantages offered. Hirose's products are available in a variety of sizes, wire terminations, electrical specifications and mounting styles.

[Various PCB Shapes and Connection]

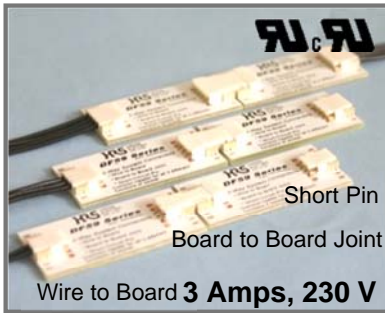
Slim PCBs for **ceiling light** and **tube type light**



Rectangle and hexagon PCBs for **ceiling light**

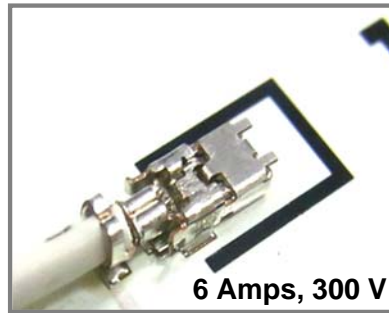


◆ System Connector for LED Lighting: DF59 Series



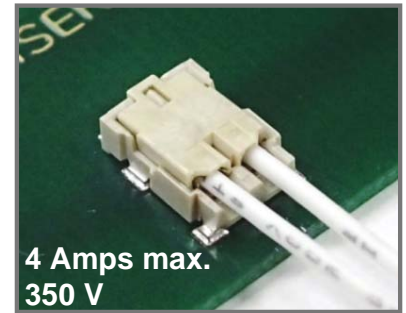
- ✓ Wide variation to meet various needs
 - Wire to Board Type (Swing Lock)
 - Board to Board Joint Type
 - Short Pin Type
- ✓ Sufficient floating range of ± 0.5 mm in 3 directions. [Board to Board Joint Type]
- ✓ Common receptacle design contributes to module PCB standardization.

DF59M Series



- ✓ Housing-less small and low profile mono-pole connector
- ✓ Clear tactile click and high mating force with positive lock
- ✓ High current capability rated up to 6 Amps
- ✓ 28 to 22 AWG wire with jacket outer dia. $\phi 0.9$ to 1.6 mm
- ✓ UL pending

DF61Y Series



- ✓ 2.2 mm pitch, 2.0 mm height, low profile 2 pos. connector
- ✓ High rated current : 4 Amps (24 AWG wire)
- ✓ ViSe lock structure with excellent operability as well as robustness
- ✓ Small size and 350 V high voltage capacity
- ✓ High contact lance strength

Circular PCBs for **bulb light**, **downlight** and **spot light**



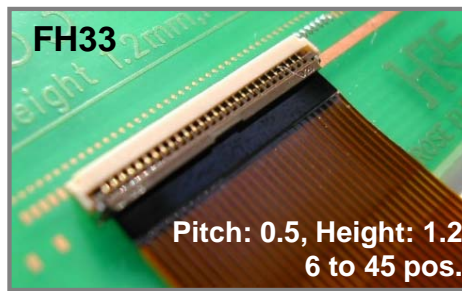
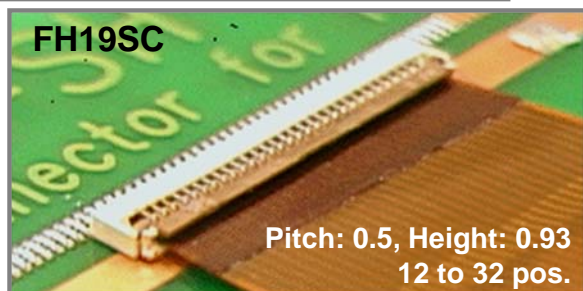
◆ Swing Lock, Low Profile DF57H



◆ Swing Lock, Power Supply DF61



Flexible type for **strip lighting**



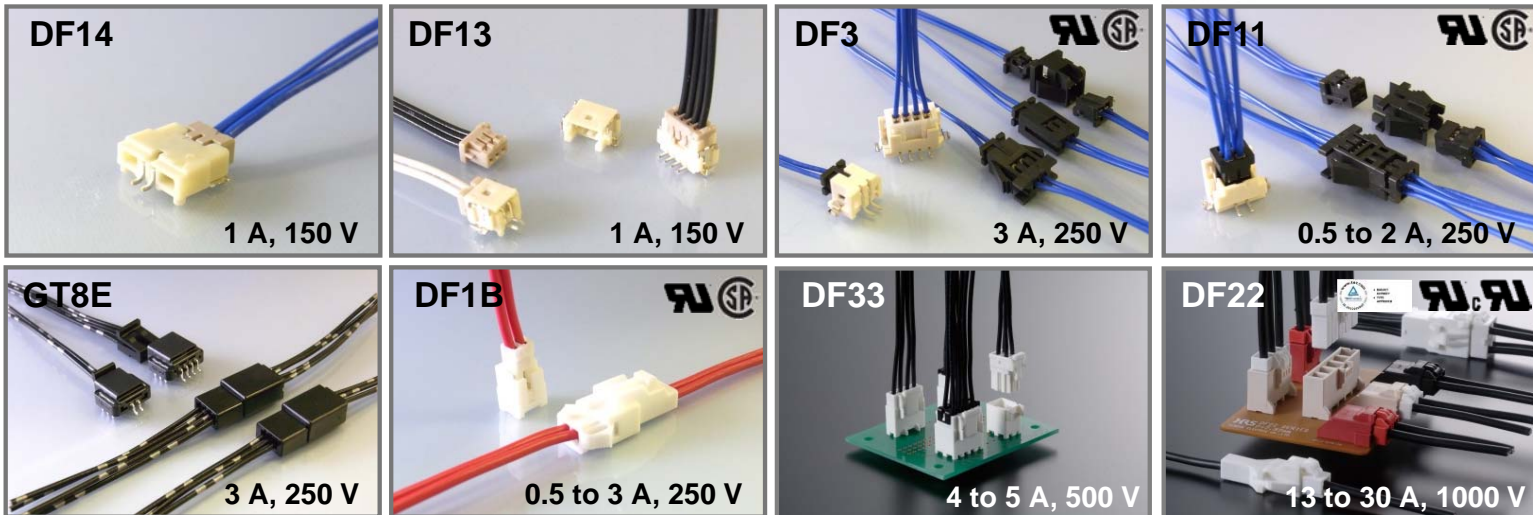
◆ Slim In-Line



- ✓ Slim design and smooth contour for connection inside small spaces
- ✓ Wide pin count variations available from 2 to 7 and 13 pos.



◆ Internal Signal, Power Supply Crimping Connectors



Recognition No.

UL: E52653

SP: LR95109



: R9950703 (DF22)

Please consult Hirose for the product part number and specifications conforming to the safety standards.

*1: In case of removing the middle pin from 3 pos.

■ Specifications

Series	Cable Size (AWG#)	Rated Current	Rated Voltage (AC/DC)	Pitch	Mounting Style	Operating Temp.	Remarks
DF1B	20 to 30	0.5 to 3 Amps	250 V	2.5 mm	DIP	-35 to +85 °C	-
DF3	22 to 28	1 to 3 Amps	250 V	2.0 mm	DIP/SMT	-30 to +105 °C	-
DF11	22 to 30	0.5 to 2 Amps	250 V	2.0 mm	DIP/SMT	-30 to +85 °C	-
DF13	26 to 32	0.8 to 1 Amps	150 V	1.25 mm	DIP/SMT	-35 to +105 °C	-
DF14	26 to 32	1 Amp	150 V	1.25 mm	SMT	-35 to +105 °C	-
DF22	10 to 16	13 to 30 Amps	1000 V	7.92 mm	DIP	-35 to +105 °C	-
DF33	20 to 22	4 to 5 Amps	500 V	3.3 mm	DIP	-35 to +85 °C	-
DF57H	26 to 34	0.5 to 2.5 Amps	50 V (100 V ^{*1})	1.2 mm	SMT	-35 to +105 °C	Swing Lock
DF59	22	3 Amps	230 V (350 V ^{*1})	2.0 mm	SMT	-35 to +105 °C	Swing Lock
DF59M	22 to 28	3 to 6 Amps	300 V	-	SMT	-40 to +105 °C	-
DF61	22 to 30	5 Amps max.	350 V	2.2 mm	SMT	-35 to +85 °C	Swing Lock
DF61Y	24 to 28	4 Amps max.	350 V	2.2 mm	SMT	-40 to -105 °C	ViSe Lock
DF62	22 to 30	1 to 3 Amps	250 V	2.2 x 2.0 mm	DIP/In-line	-35 to +105 °C	Slim In-line
GT8E	20 to 28	3 Amps	250 V	2.0 mm	DIP/SMT	-40 to +120 °C	Automotive Spec.

Series	Pitch	FPC/FFC	FPC/FFC Thickness	Height (nominal)	Depth	Contact	Flip side	Lead
FH19SC	0.5	FPC/FFC	0.3 ± 0.03	0.93	3.0	Bottom	Front	Single
FH33	0.5	FPC/FFC	0.3 ± 0.05	1.2	2.5	Bottom	Front	Single
FH34S	0.5	FPC/FFC	0.3 ± 0.03	3.2	3.2	Top	Back	Single

For more information about Hirose products: <http://www.hirose.com>

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