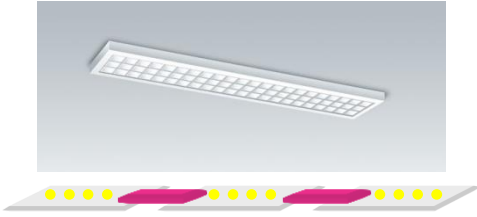


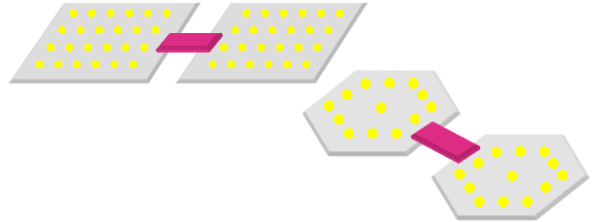
Hirose Electric, as a world leader in the connectivity industry, has been developed a broad innovative electronic connectors over the years since its founding. Please visit our Web site for details of the listed products as well as other related product lines.

## [Various PCB Shapes and Connection]

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



Rectangle and hexagon PCBs for **ceiling light**



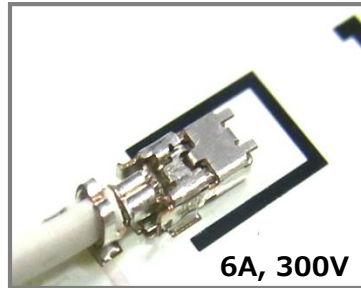
### ◆ Connector for LED Lighting: KN27 Series



6A Max. (20 AWG)  
600V Max.

- ✓ Height: 4.2mm, Width: 11.85mm, Low profile and space saving connector
- ✓ Cable insertion design provides easy cable connection
- ✓ Push lever ensures easy cable extraction
- ✓ UL/C-UL certified

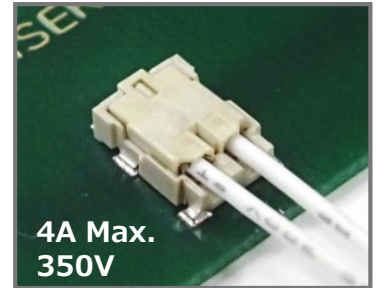
### DF59M Series



6A, 300V

- ✓ 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 6A
- ✓ 28 to 22AWG with jacket outer dia.  $\phi$ 0.9 to 1.6mm
- ✓ UL pending

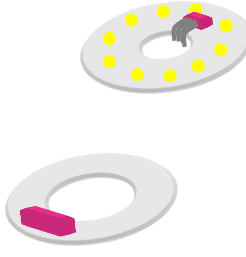
### DF61Y Series



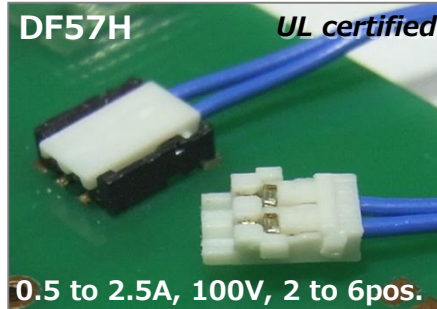
4A Max.  
350V

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

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



### ◆ Swing Lock, Low Profile



DF57H UL certified

0.5 to 2.5A, 100V, 2 to 6pos.

### ◆ Swing Lock, Power Supply



DF61

5A Max, 350V  
2pos.

## Flexible type for **strip lighting**



DF59

UL

Short Pin

Board to Board Joint

Wire to Board

3A, 230V



FH33

Pitch: 0.5mm,  
Height: 1.2mm  
6 to 45pos.



FH34SRJ

Pitch: 0.5mm,  
Height: 1.0mm,  
4 to 50pos.

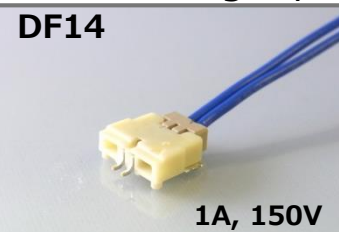
## ◆ Slim In-Line



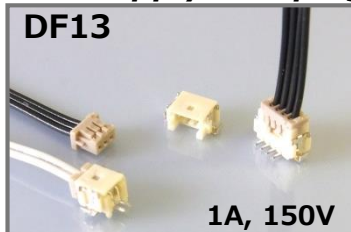
- ✓ Slim design and smooth contour for connection inside small spaces
- ✓ Wide pin count variations available from 2 to 7 and 13pos.



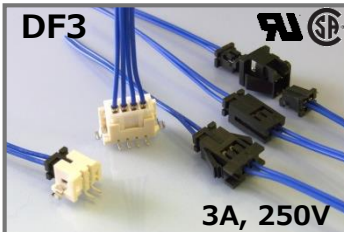
## ◆ Internal Signal, Power Supply Crimping Connectors



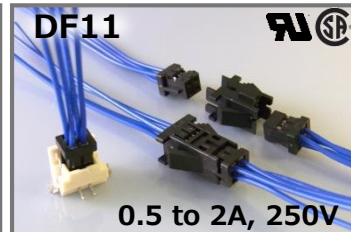
1A, 150V



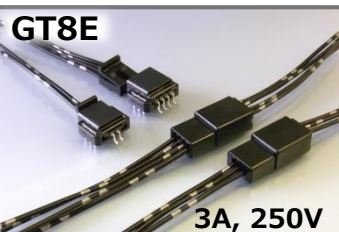
1A, 150V



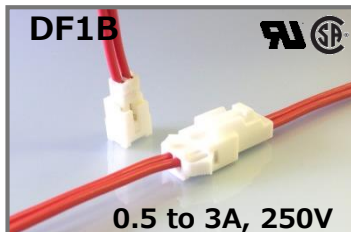
3A, 250V



0.5 to 2A, 250V



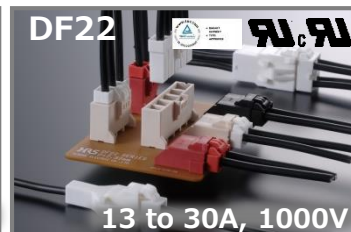
3A, 250V



0.5 to 3A, 250V



4 to 5A, 500V



13 to 30A, 1000V

Recognition No. : E52653 : 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 3pos.

## ■ Specifications

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

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

# HIROSE ELECTRIC CO., LTD.