



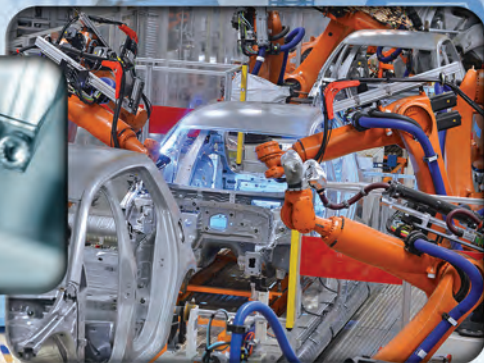
CONNECTING THE FUTURE

Industrial Cable Assemblies



Automation
machine

Product



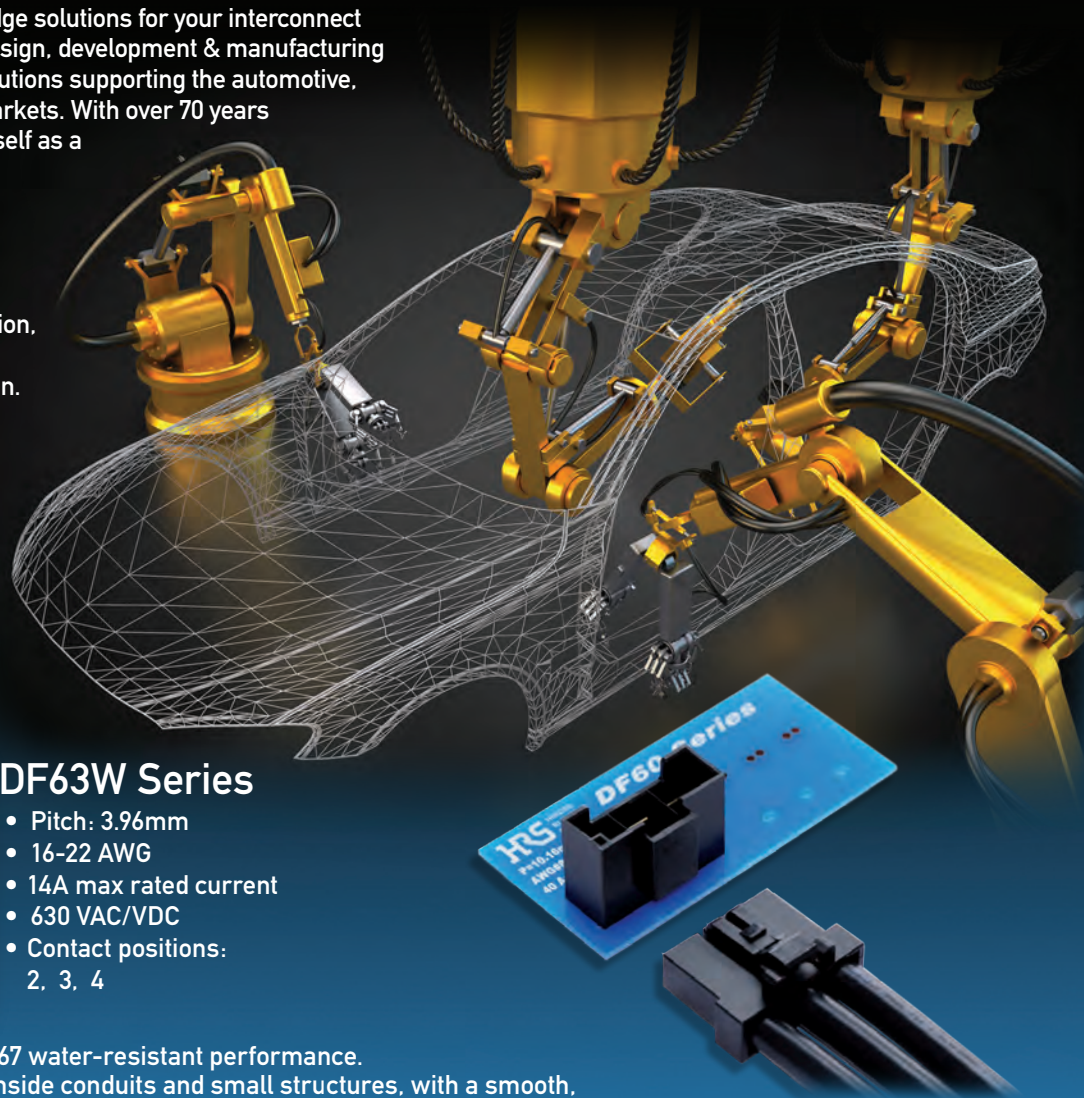
HRS HIROSE
ELECTRIC
CO., LTD.

A WORLD LEADER IN INTERCONNECT TECHNOLOGY

Hirose provides innovative, cutting-edge solutions for your interconnect requirements. We specialize in the design, development & manufacturing of high-performance interconnect solutions supporting the automotive, consumer, medical, and industrial markets. With over 70 years experience, Hirose has established itself as a growing technology leader.

Positioned on the forefront of interconnect technology, Hirose works closely with its customers to develop innovations in miniaturization, high speed data transmission, signal integrity and robust mechanical design.

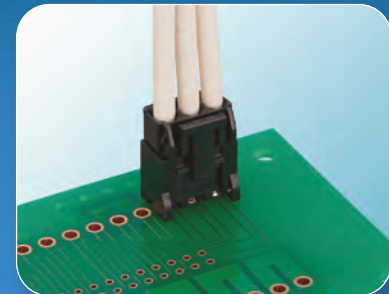
Hirose is a growing \$1.2 billion company, with approximately 4,000 employees worldwide. We utilize top-tier engineers to design high-quality, precision connectors, and we provide customer support through all stages of development.



DF63W Series

- Pitch: 3.96mm
- 16-22 AWG
- 14A max rated current
- 630 VAC/VDC
- Contact positions: 2, 3, 4

A compact power connector with IP67 water-resistant performance. The design is optimized for wiring inside conduits and small structures, with a smooth, rounded contour that reduces the chance of snagging or catching inside the conduit or other objects.



DF63 Series

- Pitch: 3.96 & 7.92mm
- 16-22 AWG
- 15A max rated current
- 630 VAC/VDC
- Contact positions: 1, 2, 3, 4, 5, 6

This series is ideal for compact designs. Applications include industrial machinery, networking equipment /servers, industrial robotics, medical devices, home electronics, and gaming equipment.



DF60 Series

- Pitch: 10.16mm
- 8-12 AWG
- 65A max rated current
- 1000 VAC/VDC
- Contact positions: 1, 2, 3, 4, 5, 6

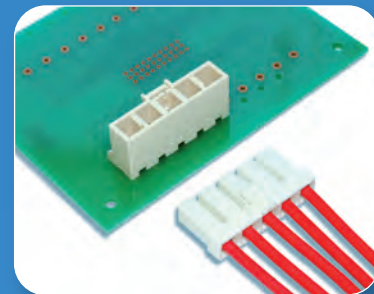
The rugged & reliable DF60 Series Wire-to-Board connector combines small size & high current capacity with user-friendly operation. Features a highly reliable 5-point contact design with independent contact springs.



DF33 Series

- Pitch: 3.3mm
- 20-22 AWG
- 5A max rated current
- 500 VAC/VDC
- Contact positions: 2 to 6, single row
4 – 12, double row

Maximum capacity of 5A, offers an outer locking mechanism preventing unmating due to external forces. Each contact is independently "boxed" to prevent short circuits.



DF22 Series

- Pitch: 7.92mm
- 10-16 AWG
- 30 A max rated current
- 1,000 VAC /VDC
- Contact positions: 1, 2, 3, 4, 5

For high current & voltage applications. Variations include Vertical connection, Right angle connection & In-Line connection. Offers isolated contact compartments & keying, color coding for secure use.

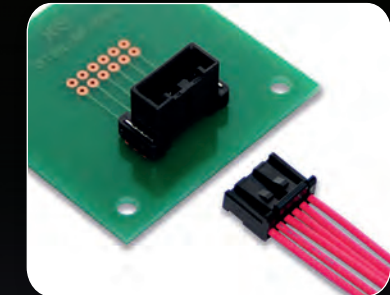
CONNECTING THE FUTURE INDUSTRIAL APPLICATIONS



HIF3B Series

- Pitch: 2.54mm
- 22-36 AWG
- 1A max rated current
- 200 VAC
- Contact positions: 6, 10, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 60, 64, 100

This series was developed as compliant with MIL standard and is UL approved. Applicable cable is UL2651 AWG#28 flat cable.



GT8E Series

- Pitch: 2.0mm
- 20-28 AWG
- 1A max rated current
- 250 VAC
- Contact positions: 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 20, 24

High contact pressure Wire-to-Board/Wire to Wire connectors for in-vehicle & industrial equipment applications. GT8E variations include SMT/DIP, Single/Double Row and Right Angle/Straight.



PQ50 Series

- 14-28 AWG
- 19A max rated current
- 600 VAC/VDC
- Contact positions: 20, 48, 50

The PQ Series is an interface connector designed to handle high power / signal connections in industrial machinery. Available in both water-resistant and non-water-resistant types. Capable of handling up to 12.5A/pin (PQ50S & PQ50W) or 19A/pin (PQ50).



HR10 Series

- Lock Style: Push-Pull
- 26-30 AWG
- 2A max rated current
- 150/200 VAC/VDC
- Contact positions: 4, 5, 6, 10, 12, 20

A simple, yet highly reliable design for compact, high density applications. Easy to operate, the single action push-pull lock structure allows for quick and efficient locking and unlocking.

SERIES SPECIFICATIONS

W to B Series	Cable Size (AWG#)	Max Rated Current*	Rated Voltage* (AC/DC)	Pitch	Operating Temperature	UL US	Features
DF63W	16 to 22	14A	630V	3.96mm	-40° to 105° C	✓	Water resistant
DF63	16 to 22	15A	630V	3.96 & 7.92mm	-55° to 105° C	✓	Small size, high power
DF60	8 to 12	65A	1000V	10.16mm	-55° to 105° C	✓	High current capacity
DF33	20 to 22	5A	500V	3.3mm	-35° to 85° C	-	Keying & snap-lock mating
DF22	10 to 16	30A	1000V	7.92mm	-55° to 105° C	✓	Keying & color coding
GT8E	20-28	1A	250VAC	2.0mm	-40° to 105° C	✓**	Oxidation resistant
HIF3B	22 to 36	1A	200VAC	2.54mm	-55° to 85° C	✓	MIL standard
PQ50	14 to 28	19A	600V	-	-40° to 105° C	✓	Handles high power/signal connections
Circular Series	Cable Size (AWG#)	Max Rated Current*	Rated Voltage*	Lock Style	Operating Temperature	UL US	Features
HR10	26 to 30	2A	150V/200V	Push-Pull	-25° to 85° C	-	Design for compact, high density apps

* Please consult Hirose for the latest specifications, drawings and certification details. Specifications herein are subject to change without notice. Voltage and current ratings can vary depending on pin count and/or shell size.

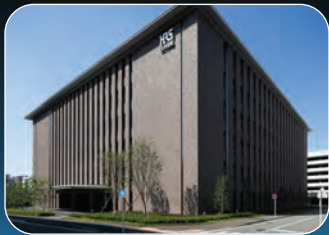
**UL rating is in the US not Canada.

CONNECTING THE FUTURE
INDUSTRIAL INNOVATION



**HRS HIROSE
ELECTRIC
CO., LTD.**

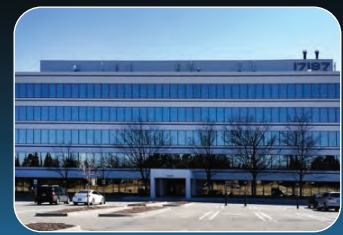
HIROSE Electric U.S.A., Inc.,
U.S.A. Headquarters Chicago
2300 Warrenville Road, Suite 150,
Downers Grove, IL 60515, USA
P: 630.282.6700 • F: 630.963.0507



Hirose World Headquarters
6-3, Nakagawa Chuou 2-chome
Tsuzuki-Ku, Yokohama-shi 224-8540, Japan
P: 81-45-620-3526



San Jose Office
2841 Junction Ave, Suite 200,
San Jose, CA 95134, USA
P: 408.253.9640



Detroit Office
17197 Laurel Park Dr., Suite 253,
Livonia, MI 48152, USA
P: 734.542.9963



Boston Office
40 Shattuck Rd, Suite 215,
Andover, MA 01810, USA
P: 978.662.5255



Irvine Office
15440 Laguna Canyon Road, Suite 220,
Irvine, CA 92618, USA
P: 949.930.3750



Dallas Office
5550 Granite Parkway, Suite 255,
Plano, TX 75024, USA
P: 734.542.9963



RoHS - We are committed to the development and manufacture of world-class products without sacrificing the health of people & the environment. Hirose manufactures products that are compliant with RoHS directives.



Scan the QR code for a digital brochure and additional information on Hirose Robotic Connectors

Visit us at...

