



## News Release

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*Expanded in-line connector series includes two new variations with unique plug/socket shapes...*

### **HIROSE DEVELOPS WIRE-TO-WIRE CONNECTOR SERIES WITH SMALLER DIAGONAL DIAMETERS**



SIMI VALLEY, CA — July 15, 2014 — Hirose, a leader in the development of innovative connector solutions, has expanded its robust DF62 Series slim in-line connector product offering to include two new versions with unique plug/socket shapes. The enhanced DF62 Series wire-to-wire

connectors feature a pin layout arranged in a 2.2mm x 2mm grid pattern creating a smaller diagonal diameter, which makes it ideal for space-constrained applications. Utilizing a highly reliable two-point contact design, the DF62 Series delivers ruggedized connectivity that is resistant to shock and vibration.

The DF62 Series connectors combine a slim, low profile with rugged performance and an advanced lock protection system. With a locking strength of 50N, the simple and secure lock structure gives the user two indicators that the lock is complete; a tactile click and a visual confirmation of the socket lock through the plug window. In addition to the standard version, the expanded DF62 Series now includes a protected or guarded socket version that prevents accidental pressing of the latch and unmating during wiring (DF62C), and a panel mount plug version (DF62P).

With no exposed metal on the connector, the possibility of short circuits is eliminated between the connector and other conductive parts, or when inside metal conduits. The small size and high durability of the DF62 Series connector makes it an ideal choice for servo amp, LED lighting, robotic machinery, consumer appliance, portable medical devices, and office equipment/machine applications.

“The DF62 Series’ smooth contours and multi-row pin layout arranged in a grid pattern, reduces the connector diagonal diameter by 50%,” said Rick van Weezel, Vice-President of Sales and Marketing for Hirose Electric USA.

Eliminating contact buckling, the DF62 Series in-line connectors feature box-shaped female contacts that work as a mating guide for male contacts. Reinforced lances prevent deformation caused by cable pulling and increase the connection strength even within the small profile of the connector body. The lance strength of a properly secured connection is rated at 25N per pin.

The DF62 Series features a current rating of up to 3A, a voltage rating of 250V AC/DC and is Halogen-free as defined by IEC61249-2-21. Contact resistance for this series is a maximum of 30 mΩ, and the durability guarantee is assured for up to 30 full insertion/withdrawal cycles. Pin counts are available in 2, 3, 4, 5, 6, 7, 13, and now 24 positions. The DF62 Series has an operating temperature range of -35°C to +105°C.

For additional information about the DF62 Series connectors, please visit: [www.hirose.com/us](http://www.hirose.com/us).

## **ABOUT HIROSE ELECTRIC**

Hirose Electric Co., Ltd. is a leading global supplier of innovative interconnects, with sales of over \$1 billion to customers worldwide. Hirose employs advanced engineering services, superior customer support and worldwide manufacturing capabilities to provide value-based connector solutions for various industries including: telecommunication, industrial, consumer electronics, computer and automotive. More information can be found on Hirose Electric's corporate website at [www.hirose.com/us](http://www.hirose.com/us).

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