



## News Release

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*Designed for portable devices, the BM28 Series hybrid power and signal connector delivers high transmission speeds in a small package...*

### **HIROSE'S HYBRID FPC-TO-BOARD CONNECTOR COMBINES HIGHER POWER RATING WITH LOWER PROFILE**

DOWNERS GROVE, ILLINOIS — October 4<sup>th</sup> — Hirose, a leader in the development of innovative connector solutions, has launched a miniature FPC-to-board connector designed for power line connection in portable devices such as drones, IoT modules, laptops, medical devices, smart phones, tablets, wearables and more. With a space-saving design that includes a 0.35mm pitch, stacking height of only 0.6mm, and depth of 1.7mm, the low-profile BM28 Series hybrid FPC-to-board offers design flexibility and enables the miniaturization of portables devices.

The hybrid BM28 Series connector is rated up to 5 Amps per pin for power contacts and 0.3 Amp per pin for signal contacts. In addition, the FPC-to-board connector system supports USB 3.1 gen.2 (10 Gbps) transmission.

Offering simple and easy mating operation, the BM28 Series utilizes guide ribs that provide self-alignment up to 0.3mm in the X direction and 0.24mm in the Y direction. A highly reliable two-point contact design combined with a robust contact latching design provides a mating force that is resistant to intense vibration and drop impact. This locking design ensures secure mating with a clear tactile click. The BM28 Series connector also utilizes a metal guide that prevents housing damage due to incorrect

mating. The metal guide design ensures that if the header and the receptacle should be mated incorrectly, the metal guide ribs prevent housing damage.

The hybrid BM28 Series connector is currently available in a 24-position signal version that features two power positions.

“Designed for mobile and portable device connectivity, the compact BM28 Series hybrid connector eliminates the need for separate power and signal wire-to-board connectors. This simplifies design and assembly, while providing significant cost savings,” said Bill Kysiak, Product Marketing Manager for Hirose Electric USA. “The cost-efficient solution also reduces the occupied mounting area in comparison with comparable connectors on the market. This enables our customers to reduce the size of their end-products and meet consumer demands.”

The BM28 Series connector has a rated voltage of 30 V AC/DC, power contact resistance of 30 milliohm maximum, signal contact resistance of 100 Megaohm maximum, insulation resistance of 100 Megaohm minimum, and an operating temperature of -40 degrees C to +85 degrees C.

For additional information about the BM28 Series connectors, please visit:

[www.hirose.com/product/en/products/BM28/](http://www.hirose.com/product/en/products/BM28/)

For more information about Hirose Electric, 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: industrial, telecommunication, consumer electronics, computer and automotive.

More information can be found on Hirose Electric’s corporate website at [www.hirose.com](http://www.hirose.com).