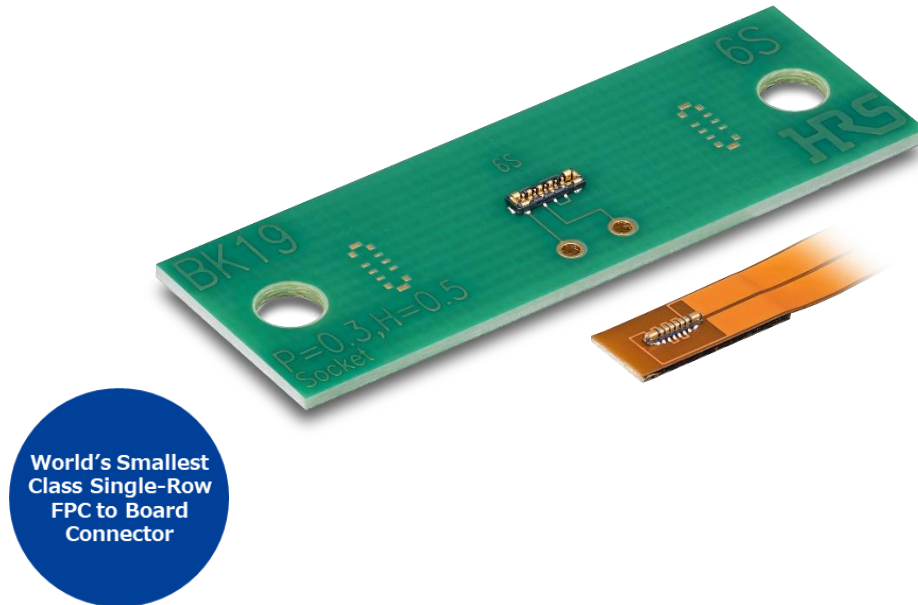


[To the press] [June 17, 2026]

**Hirose Electric Launches BK19 Series,
Among the World's Smallest Single-Row FPC to Board Connectors
Enabling slimmer, more compact designs for smartphones and smartwatches**



With consumer devices continuing to evolve toward thinner profiles and greater functionality, demand for compact yet highly reliable connectors is increasing. In response, Hirose Electric has developed and released the BK19 Series, among the world's smallest-class single-row FPC to board connectors. By pursuing miniaturization across all key dimensions—pitch, width, and height—the BK19 Series provides greater freedom in housing and mechanical design. At the same time, it maintains high reliability, helping address critical challenges in next-generation device development.

Application examples with BK19 Series:

Smartphones, wearable devices, VR/AR glasses, portable gaming devices, compact medical devices, etc.

● Contributing to Enhanced Functionality and Improved Design

As consumer devices such as smartphones continue to trend toward thinner profiles, demand is growing for low-profile, space-saving connectors. This demand is driven by increased onboard functionality, a rising number of integrated modules, and expanding battery capacity requirements. In wearable devices in particular, miniaturized connectors play a critical role in reducing overall device thickness.

However, as connectors become lower in profile and more compact, mating operations become more challenging, increasing the risk of reduced workability during assembly. As a result, the need for connectors that combine extreme miniaturization with robust mechanical reliability has never been greater.

[Inquiries from the press]

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To address these market needs, Hirose Electric has developed the BK19 Series, a world's smallest-class single-row FPC to board connector. Designed as a hybrid power and signal connector, the BK19 Series achieves advanced miniaturization across pitch, width, and height, significantly increasing freedom in housing and mechanical design. This enables more sophisticated device architectures while delivering tangible benefits to both device designers and end users.

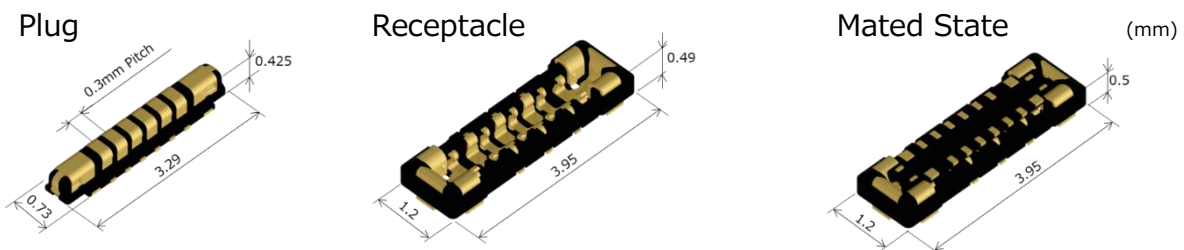
Furthermore, to address alignment challenges during assembly and reduce the risk of damage caused by misalignment in miniaturized designs, metal mold covers have been incorporated at both ends of the connector. This design enhances mechanical robustness and ensures high reliability despite the connector's compact size.

The BK19 Series supports enhanced functionality and improved design flexibility across a wide range of consumer devices.

● BK19 Series Features



▼ Single-row, Signal 6pos.+Power 2pos.



- 1 Ultra-low profile and narrow width**
 - 0.3mm Pitch, 1.2mm width
 - 0.5mm Stacking height
- 2 Fully armored design to prevent housing damage**
- 3 Dimpled contact lock design enables high extraction force**
- 4 Easy mating operation with wide self-alignment range**
 - Pitch direction: ± 0.3 mm
 - Width direction: ± 0.3 mm
- 5 Insert molded plug and receptacle design**
 - Prevents solder wicking

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● Future product development

The BK19 Series is currently offered in a single-row configuration with Signal 6pos. + Power 2pos.

Expanded pin-count variations, such as 12 signal + 2 power, are under development.

Hirose Electric will continue enhancing the lineup to meet advancing device design requirements.

● Company Profile, Related Information

■ Company Profile

https://www.hirose.com/corporate/en/about/corporate_data/

■ Product Series Page

<https://www.hirose.com/en/product/series/BK19>

■ Product Image

<https://prd-4s-public.s3.ap-northeast-1.amazonaws.com/sys-master/public/h37/h70/9899989631006/bk19-series-connector-overview.png>

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