FH79 Series

Product Overview

Applications



Automotive Entertainment



LiDAR & Sensing Cameras



Robotics/Factory Automation



Discover Hirose's FH79 Series, an ultra-compact automotive FPC connector with a 0.3mm pitch and a low 1.2mm profile, ideal for high-density board layouts. Engineered for extreme conditions, it withstands temperatures up to 125°C, ensuring long-term durability.

The top and bottom contact enhances board flexibility, while the secure back-flip locking mechanism increases FPC retention force for stable, reliable connections. Optimized for high-speed signals, it supports eDP1.3 at 5.4Gbps and MIPI D-PHY at 4.5Gbps, making it ideal for advanced automotive applications.

KEY BENEFITS OF THE FH79 SERIES INCLUDE:

- An ultra-compact design with a 0.3mm pitch and low 1.2mm profile, optimizing space for high-density board layouts.
- Withstands temperatures up to 125°C, ensuring long-term durability in extreme conditions.
- A top and bottom contact design enhances board layout flexibility while simplifying assembly.
- A secure back-flip locking mechanism increases FPC retention force, preventing accidental openings and ensuring a stable connection.
- Optimized for high-speed signals, supporting eDP1.3 at 5.4Gbps and MIPI D-PHY at 4.5Gbps for seamless data transmission in automotive applications.

Dimensions

Approximately 40% Width Reduction **Compared to Existing** 0.5mm Pitch Products

> SAMPLE NUMBER: US-FH79SAMPLE-24

FH79 (0.3mm Pitch)

Dimensions Example: 61pos. Part No.: FH79-61S-0.3SHW

FPC Thickness = 0.2 ± 0.02 mm Top & Bottom Contact



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Narrowing Pitch by Staggered Array Design



- RoHS, Halogen-free^{*4} Compliant

- No. of Pos.: 61pos. (Mass Production)

11, 21, 31, 41, 51pos. (Únder Planning)



For additional information please go to www.hirose.com/product/series/FH79

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





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 $^{\ast 4}$ No chlorine or bromine exceeding the standard value is used in the connector.

Br: 900ppm Max., Cl: 900ppm Max., Br+Cl: 1,500ppm Max.

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