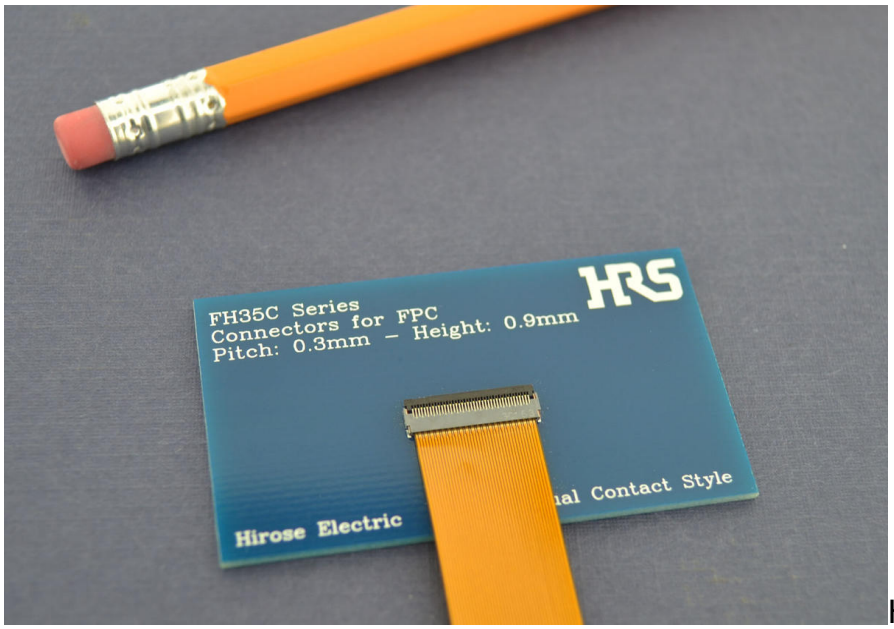
FPC Connectors Deliver up 2.5 Times Higher Retention Force

MDT Staff



Hirose Electric has developed a 0.3 mm pitch (FPC) flexible printed circuit connector that supports high speed transmissions and provides high retention forces. The back flip style actuator utilizes dual-sided FPC and helps it to achieve the excellent impedance characteristics that allow it to be used for high speed transmissions and support both the Embedded DisplayPort (eDP ver.1.3) and MIPI (D-PHY) standards. The high FPC retention forces are produced by its proprietary contact structure and its aforementioned highly reliable back flip actuator. The FH35C Series delivers up to 2.5 times more FPC retention force than similar products offered by their competitors. The high FPC retention force and back flip design also allow for curved routing of the FPC.

With a mounted depth of only 3.2 mm, the FH35C Series connectors will save a significant amount of space on the PCB. The top and bottom contacts of the connector provide design flexibility for a wide range of applications, including smart phones, cameras & video recorders, notebooks & tablets, DVD & Blu-ray players, portable music players, handheld gaming systems, and small medical equipment.

For more information, visit www.hirose.com/us [1].

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