

PCBeam™ LPS Product Family Overview

High Density, Low Profile, Solderable Connectors

OVERVIEW

The LPS products are solderable versions of those in the Neoconix LPM product family. Also developed for mobile devices and other space-constrained applications, the LPS products feature the same high density, but in a configuration that allows automated pick & place and SMT assembly onto the FPC. Like the LPM family, these products can uniquely combine high speed signaling (>10Gbps) and significant power delivery (>10A) within one connector. Optionally, Neoconix can also provide the corresponding flex circuit, with the connectors already pre-attached.

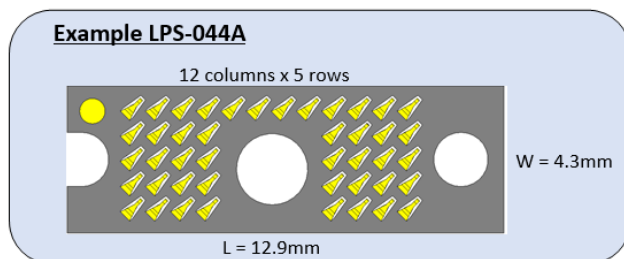
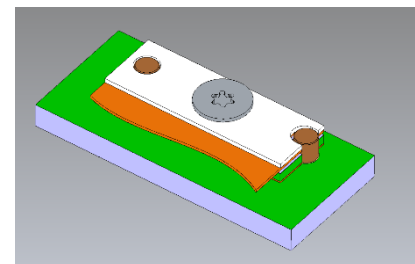
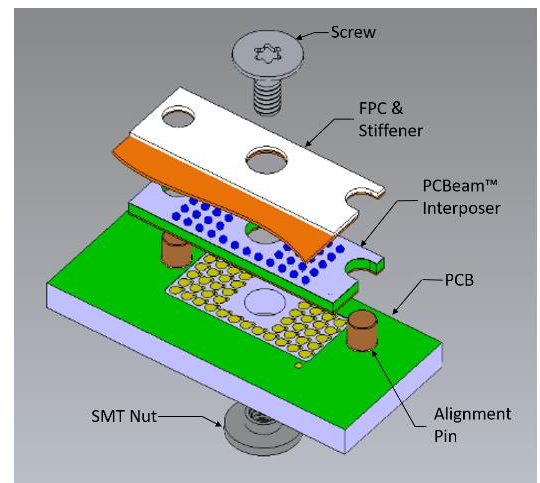
FEATURES

- High performance PCBeam™ connector technology
- Low profile, <1.0mm connector thickness
- High density 0.7424mm contact pitch
- High current to >10A on some configurations
- High speed to >10Gbps
- Meets PCIe3.0 & USB3.1 signal integrity requirements
- Pick & place compatible (interposers, pins, nut)
- Additional customization options offered
- Compliant with ROHS 2011/65/EU and IPC-4101B (halogen-free)

STANDARD PRODUCT FAMILY

Part Number ¹	Row	Columns	Pins	Length (mm)	Width (mm)
LPS-024A	4	10	24	11.4	3.6
LPS-044A	5	12	44	12.9	4.4
LPS-056A	6	12	56	12.9	5.1
LPS-080A	6	16	80	15.9	5.1

1. Additional Customization Available Upon Request



FOR MORE INFORMATION

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