

PCBeam™ LPM Product Family Overview

High Density, Low Profile Connectors

OVERVIEW

Developed for mobile devices and other space-constrained applications, the Neoconix LPM line of connectors feature exceptional X-Y-Z density with a simple, highly reliable screw-down fastening system. With an extremely short electrical path, these products can uniquely combine high speed signaling (>10Gbps) and significant power delivery (>10A) within one connector

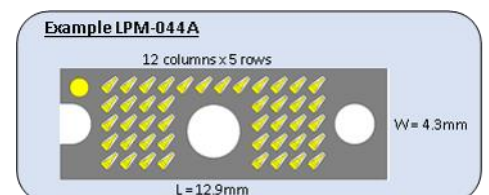
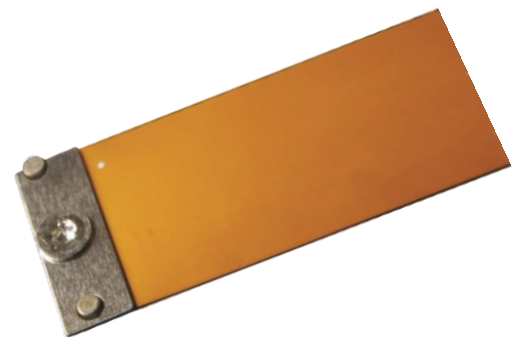
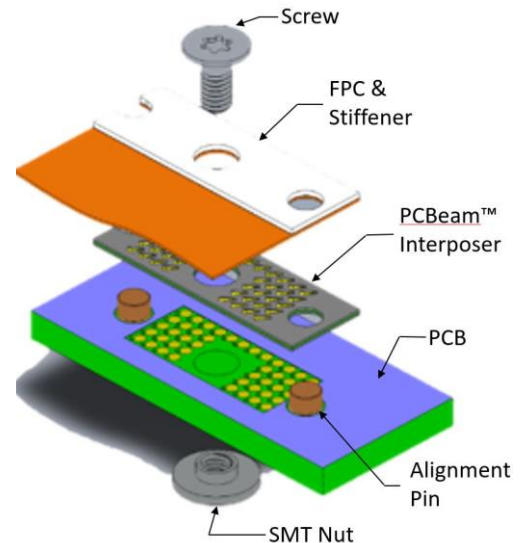
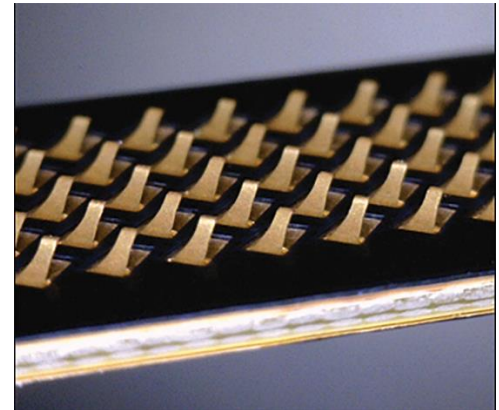
FEATURES

- 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 (pins, nut)
- Additional customization options offered
- Compliant with ROHS 2011/65/EU and IPC-4101B (halogen-free)

STANDARD PRODUCT FAMILY¹

| Part Number ¹ | Pins | Rows | Columns | Length (mm) | Width (mm) |
|--------------------------|------|------|---------|-------------|------------|
| LPM-012A | 12 | 3 | 8 | 9.9 | 3.6 |
| LPM-016A | 16 | 4 | 8 | 9.9 | 3.6 |
| LPM-020A | 20 | 4 | 9 | 10.7 | 3.6 |
| LPM-024A | 24 | 4 | 10 | 11.4 | 3.6 |
| LPM-028A | 28 | 4 | 11 | 12.2 | 3.6 |
| LPM-032A | 32 | 4 | 12 | 12.9 | 3.6 |
| LPM-034A | 34 | 5 | 10 | 11.4 | 4.3 |
| LPM-036A | 36 | 4 | 13 | 13.6 | 3.6 |
| LPM-039A | 39 | 5 | 11 | 12.2 | 4.3 |
| LPM-040A | 40 | 4 | 14 | 14.4 | 3.6 |
| LPM-044A | 44 | 5 | 12 | 12.9 | 4.3 |
| LPM-049A | 49 | 5 | 13 | 13.6 | 4.3 |
| LPM-054A | 54 | 7 | 10 | 11.4 | 5.8 |
| LPM-056A | 56 | 6 | 12 | 12.9 | 5.1 |
| LPM-062A | 62 | 6 | 13 | 13.6 | 5.1 |
| LPM-068A | 68 | 7 | 12 | 12.9 | 5.8 |
| LPM-075A | 75 | 7 | 13 | 13.6 | 5.8 |
| LPM-080A | 80 | 6 | 16 | 15.9 | 5.1 |
| LPM-082A | 82 | 7 | 14 | 14.4 | 5.8 |

1. Additional Customization Available Upon Request



FOR MORE INFORMATION

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