

## PCBeam™ SPH1 Product Family Overview

### High Density, High Performance Connectors

#### OVERVIEW

Utilizing PCBeam™ technology, SPH1 5-row standard connectors are designed for high performance Board-to-Board (BtB) and Flex-to-Board (FtB) applications. There are five standard configurations available, ranging from 80-positions to 120-positions, from 1.27mm pitch to 0.80mm pitch, and from 0.8mm to 3.0mm thick. Compatible hardware is available integrating pin alignment and screw retention for simple assembly into the host system. Neoconix can also provide complete turnkey assemblies that include a high performance FPC.

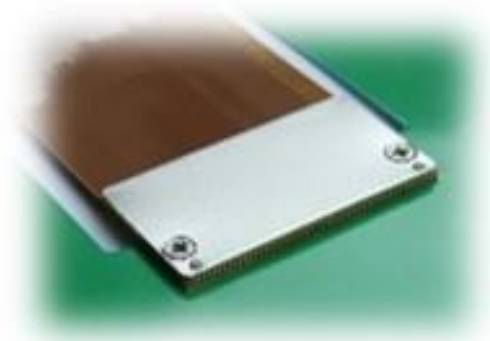
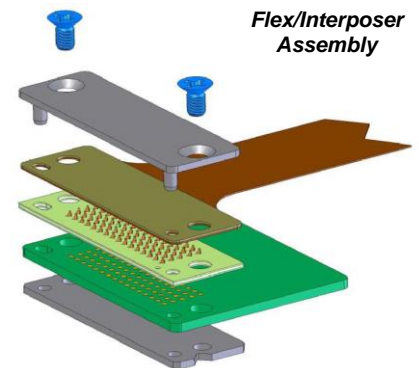
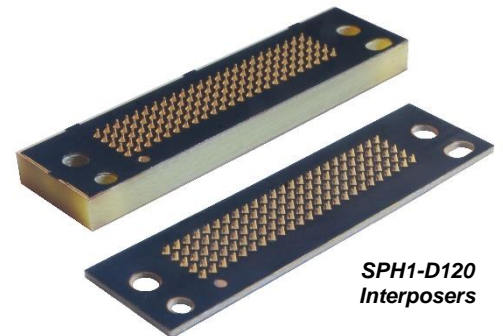
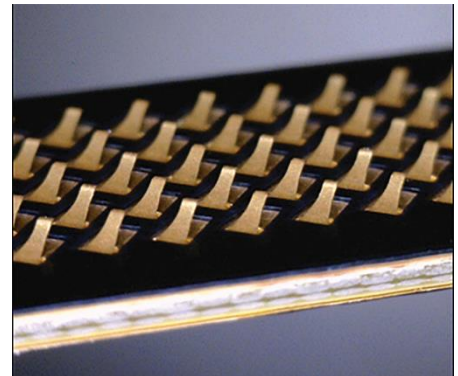
#### FEATURES

- High performance PCBeam™ connector technology
- Product options at 1.27mm, 1.00mm & 0.8mm pitch
- Current capacity up to 1.5A per position
- Thickness options from 0.8mm to 3mm
- High speed to >10Gbps
- Standard assembly hardware available
- Additional customization options offered
- Compliant with ROHS 2011/65/EU and IPC-4101B (halogen-free)

#### STANDARD PRODUCT FAMILY<sup>1</sup>

Interposer Part Number	Pitch (mm)	Pin Count	Rows	Cols	Length (mm)	Width (mm)	Height (mm)
SPH1-F080A	1.27	80	5	16	31.8	9.6	0.8
SPH1-F120A	1.27	120	5	24	41.9	9.6	0.8
SPH1-D120A	1.00	120	5	24	35.7	9.6	0.8
SPH1-D120B	1.00	120	5	24	35.7	9.6	3.0
SPH1-C110A	0.80	110	5	22	31.8	9.6	0.8

1. Additional Customization Available Upon Request



#### FOR MORE INFORMATION

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