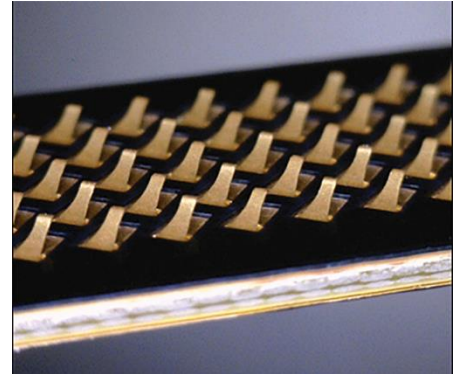


## PCBeam™ SPH2 Product Family Overview

### High Density, High Performance Connectors

#### OVERVIEW

Utilizing PCBeam™ technology, the SPH2 family of standard connectors are designed for high performance Board-to-Board (BtB) and Flex-to-Board (FtB) applications. The large pin counts enable combining numerous high speed differential pairs, high power, and signals in one connector. There are seven standard configurations available, ranging from 102 positions to 384 positions on 0.65mm, 0.80mm, 1.00mm or 1.27mm pitch. 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.



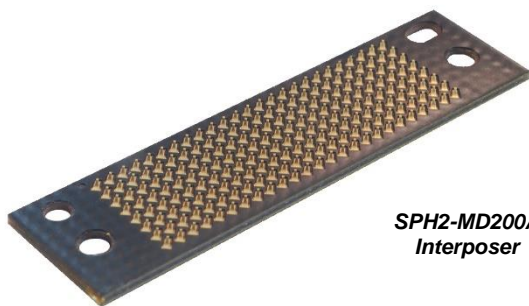
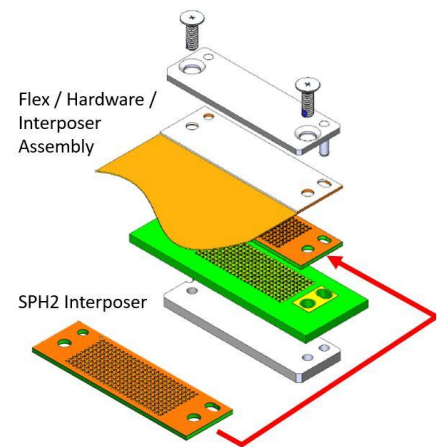
#### FEATURES

- High Performance PCBeam™ Connector Technology
- Product options at 0.65mm, 0.80mm, 1.00mm & 1.27mm pitch
- Standardized 0.8mm interposer thickness
- 3 Form Factors – Small(S), Medium(M) & Large(L)
- Maximized pin count per form factor
- Current capacity up to 2A per position
- High speed to >10Gbps
- Standard assembly hardware available
- Compliant with ROHS 2011/65/EU and IPC-4101B (halogen-free)

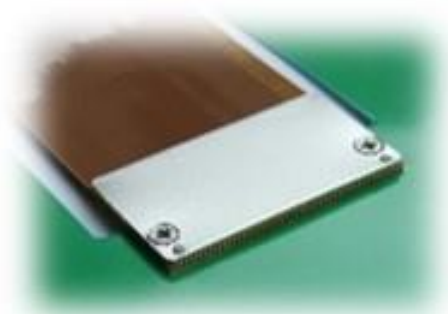
#### STANDARD PRODUCT FAMILY<sup>1</sup>

Interposer Part Number	Pitch (mm)	Pin Count	Rows	Cols	Length (mm)	Width (mm)	Height (mm)
SPH2-SF102A	1.27	102	6	17	31.8	9.6	0.8
SPH2-MF120A	1.27	120	6	20	35.7		
SPH2-LF150A	1.27	150	6	25	41.9		
SPH2-SD160A	1.00	160	8	20	31.8		
SPH2-MD200A	1.00	200	8	25	35.7		
SPH2-SC250A	0.80	250	10	25	31.8		
SPH2-SC384A	0.65	384	12	32	31.8		

1. Additional Customization Available Upon Request



**SPH2-MD200A**  
Interposer



#### FOR MORE INFORMATION

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