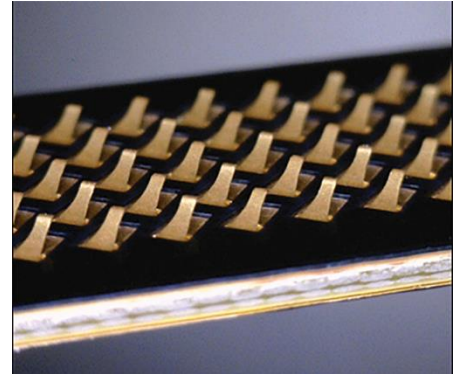


PCBeam™ SPH2 Product Family Overview

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. 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.



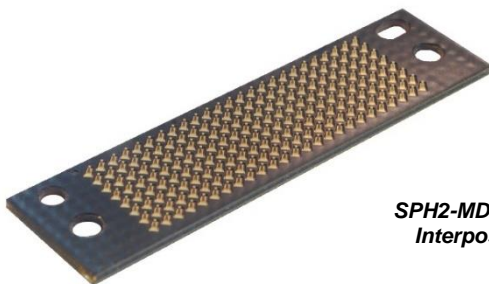
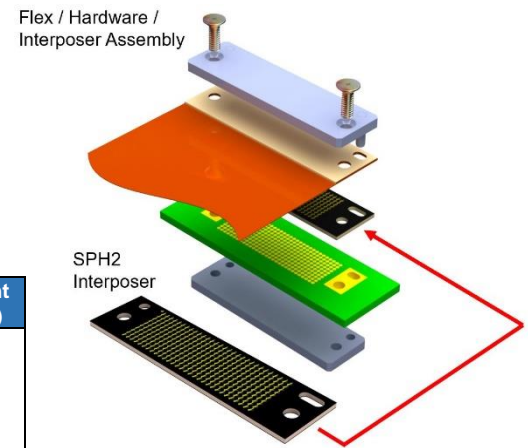
FEATURES

- 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)

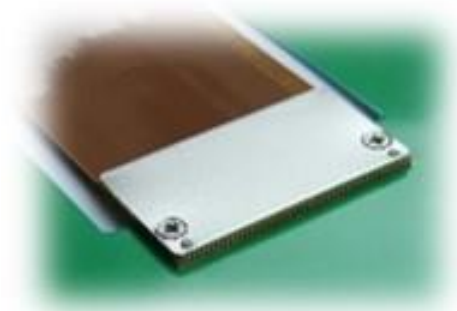
STANDARD PRODUCT FAMILY^{1,2}

Interposer Part Number	Pitch (mm)	Form Factor	Pin Count	Rows	Cols	Length (mm)	Width (mm)	Height (mm)
SPH2-SF102A	1.27	S	102	6	17	31.8	9.6	0.8
SPH2-MF120A		M	120	6	20	35.7		
SPH2-LF150A		L	150	6	25	41.9		
SPH2-SD160A	1.00	S	160	8	20	31.8		
SPH2-MD200A		M	200	8	25	35.7		
SPH2-LD240A		L	240	8	30	41.9		
SPH2-SC250A	0.80	S	250	10	25	31.8		
SPH2-MC300A		M	300	10	30	35.7		
SPH2-LC400A		L	400	10	40	41.9		
SPH2-SC384A	0.65	S	384	12	32	31.8		
SPH2-MC456A		M	456	12	38	35.7		
SPH2-LC576A		L	576	12	48	41.9		

1. Additional Customization Available Upon Request
2. Consult Neoconix for availability



SPH2-MD200A
Interposer



FOR MORE INFORMATION

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