

Company Overview

COMPANY BACKGROUND

Founded in 2002 in Sunnyvale, CA, Neoconix is a premier supplier of high density, high performance electrical interconnects.

Neoconix has developed a revolutionary new approach to connector manufacturing that utilizes advanced printed circuit board (PCB) processing techniques to produce interconnect products. Characterized by exceptional dimensional control at fine feature sizes, Neoconix's PCBeam™ technology is ideal for a broad set of applications that require high density, high performance, and high reliability. Neoconix's market reach includes the computing, military, medical, mobile electronics, and test equipment markets.

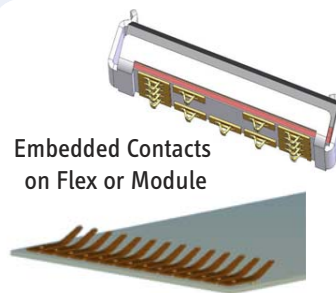
PCBeam™ Technology

Neoconix's PCBeam interconnect technology adds a 3rd dimension (z-axis) to traditional 2-dimensional PCB processing. Metal contact elements (springs) emanate from one or two sides of a PCB-based material (typically FR-4), which is then contained in an application-specific housing or clamp. A photolithography and etch-based manufacturing process allows excellent dimensional control compared to traditional stamping and molding, and the process is scalable to very fine feature sizes for space constrained applications.

PCB-style processing allows unparalleled levels of design flexibility, including:

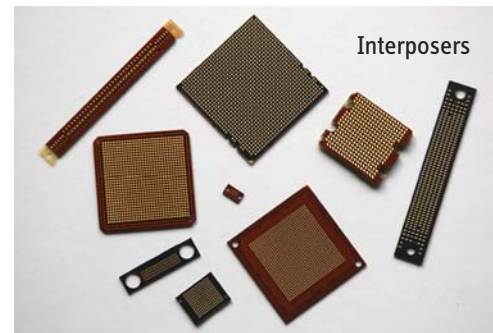
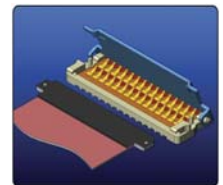
- LGA or BGA connection options
- Extremely low provide (even flex substrate option)
- Freedom in layout, tooling features, thickness, contact spacing, etc.
- Ability to engineer contact geometry for desired force/deflection/resistance characteristics
- Internal trace routing or power planes within interposer core
- Minimal or no tooling for most array design changes
- Quick turn custom prototypes

In manufacturing, Neoconix leverages the broad infrastructure of a well-established PCB industry, allowing rapid scaling from prototype to high volume production.



Embedded Contacts
on Flex or Module

FPC Connectors



Interposers

PCBeam™
Technology



PRODUCT OFFERINGS

Neoconix's product offerings include LGA sockets, board-to-board connectors, and flexible printed circuit (FPC) connectors. Within these products, Neoconix offers virtually limitless design flexibility.

In addition, the inherent PCB-based manufacturing process enables new interconnect approaches in which contact elements are embedded directly onto a product's substrate. PCBeam contacts can be attached to virtually any circuitizable substrate, including FR4, BT resin, ceramics, and polyimide. Examples of embedded applications include advanced packaging, embedded camera module connectors, and embedded contacts on flexible circuits.