

On Card Optical Interconnect

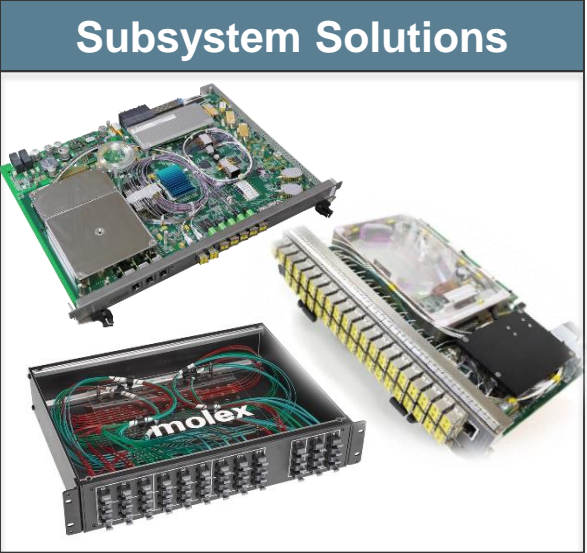
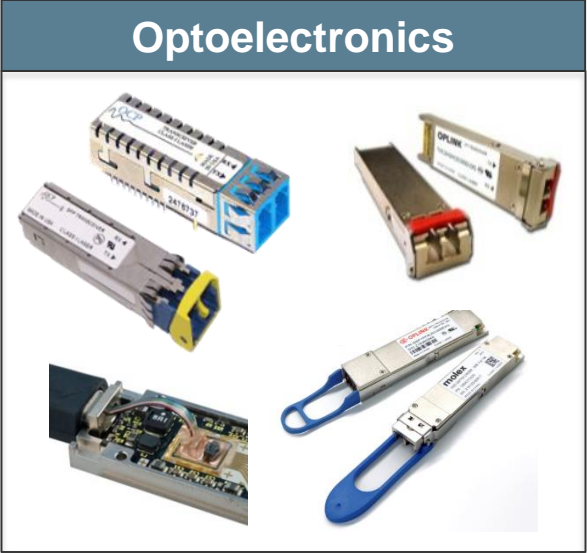
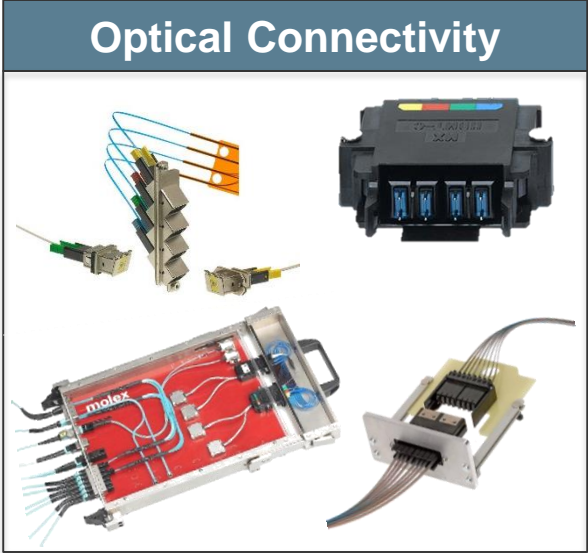


Content for: EPIC 400G, Microsoft, COBO
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Molex Optical Solutions Group

Integrating connectivity, optoelectronics and optical transport capabilities into innovative customer solutions

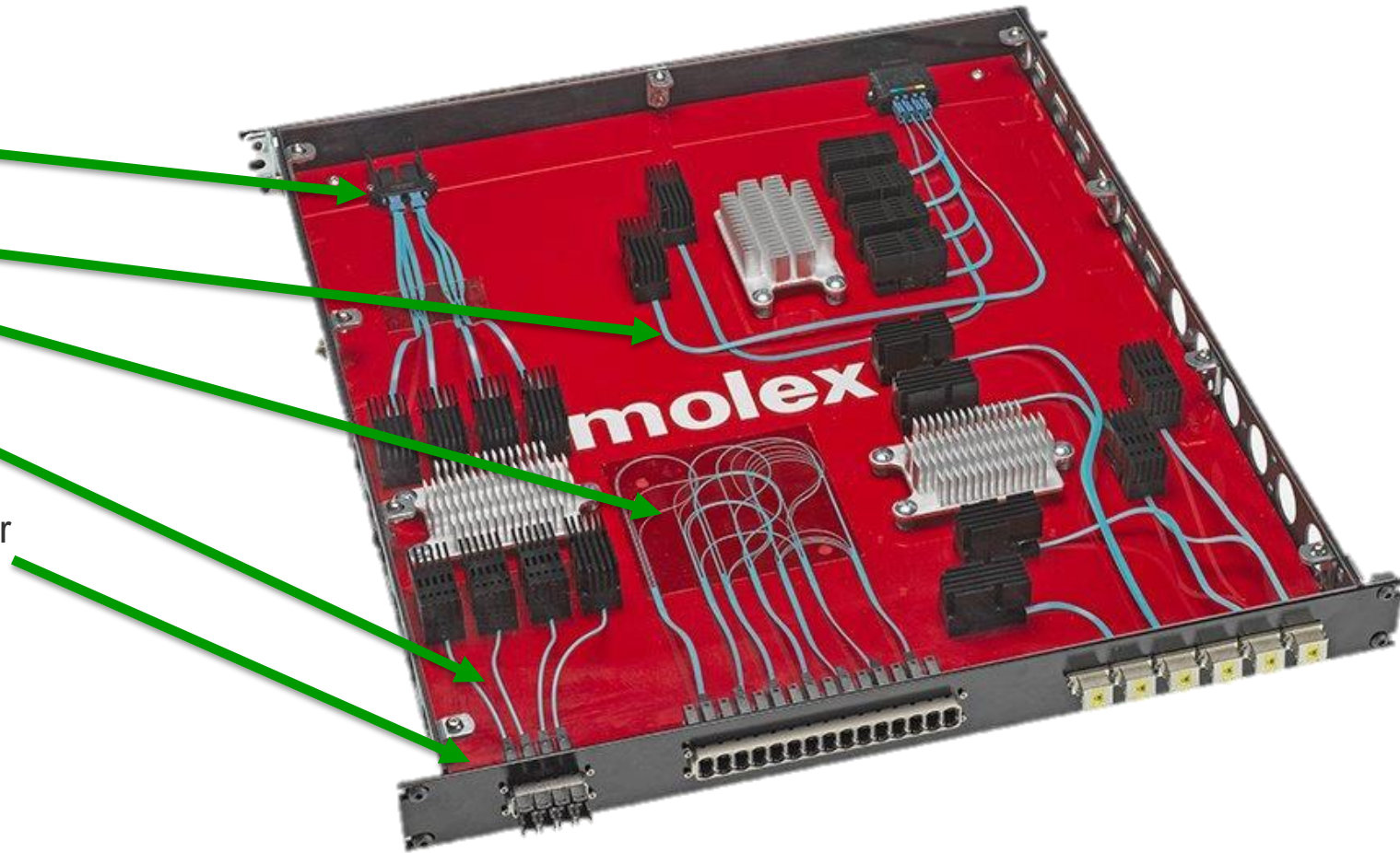


This is COBO: Reference Connectivity Card



Example Molex Products Supporting On Card Optics Applications:

- Blind Mate Optical Backplane Interconnects 10+ versions
- Flat Routed Ribbon Cable
- FlexPlane™ Optical Flex Circuit
- Round Loose Fiber Cable
- Front Panel Optical EMI Shielding Adapters 50+ versions
 - Provides EMI shielding at user side for MPO/MTP, MXC, LC
- All products shown are mature and in volume production



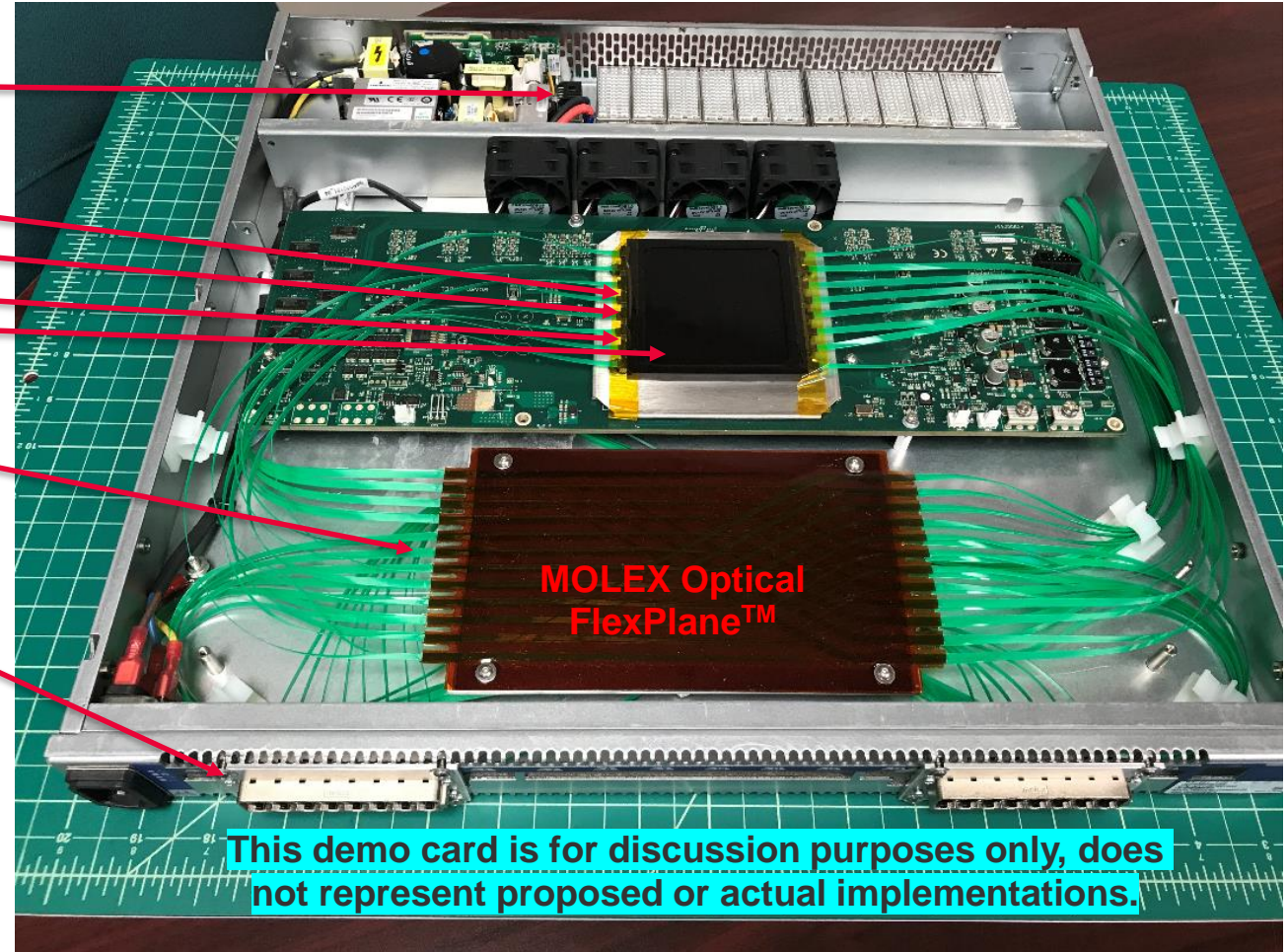
Co-Packaged Optics Demo Card

System elements:

- Remote laser bank
- Fiber to chip connector
- Chip to fiber coupler
- Optical tile
- IC and optical tile carrier
- 512 Fiber I/O management
- Front panel EMI adapters

What does the eco system need?

- Separable optical interface reflow compatible
- Chiplets + XSR or other highly optimized chip to chip electrical interfaces
- Remote laser source pluggable module w/hybrid connector



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