

# Consortium for On- Board Optics (COBO)

---

# Goals

---

Organization to develop specifications to permit the use of on-board optical modules

Targeted at network switches and server adapters

Reference industry specifications where possible

Develop specifications where required

Attention to electrical interfaces, pin-outs, connectors, thermals, etc. for interchangeable and interoperable optical modules

Reduced power requirements in switches and server adapters for optical interfaces

Increased switch faceplate bandwidth density

# Growing Trend of Solutions

On-board or embedded optics have been available for over a decade

- 300-pin MSA is one example

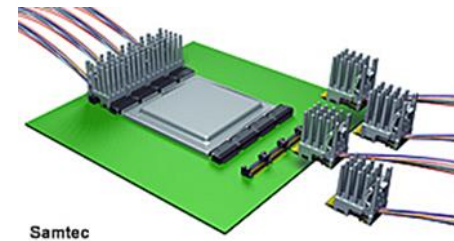
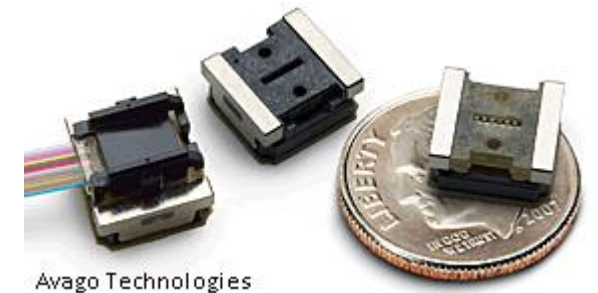
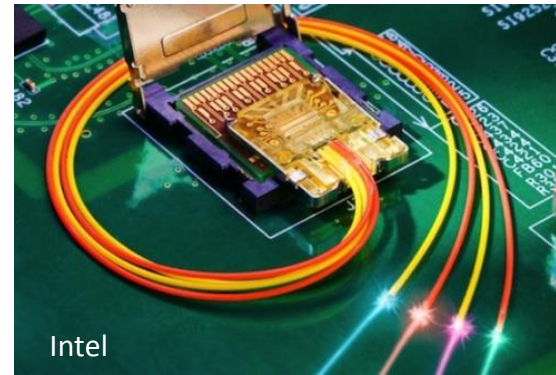
Today, most are proprietary and targeted solutions

Growing use of optics

- Datacenter networks
- Consumer applications

Time to pull the industry together

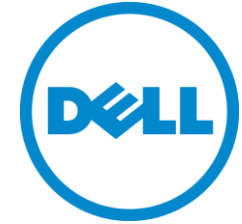
- Bring “greatness” of z-axis pluggable optics to the y-axis



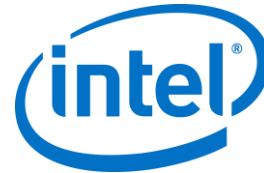
# Founding Members

---

ARISTA



FINISAR



JDSU

JUNIPER  
NETWORKS



RANOVUS™



# More Information

---



Website: <http://cobo.azurewebsites.net>

Contacts:

Blaine Kohl, blaine @ blainekohl dot com