



International Electronics Manufacturing Initiative

**Optoelectronics TIG
OFC/NFOEC Conference
What is A Backplane?**



*Jack Fisher, iNEMI
Monday, March 7, 2005
Anaheim Marriott*

What is A Backplane

Found in high-performance equipment

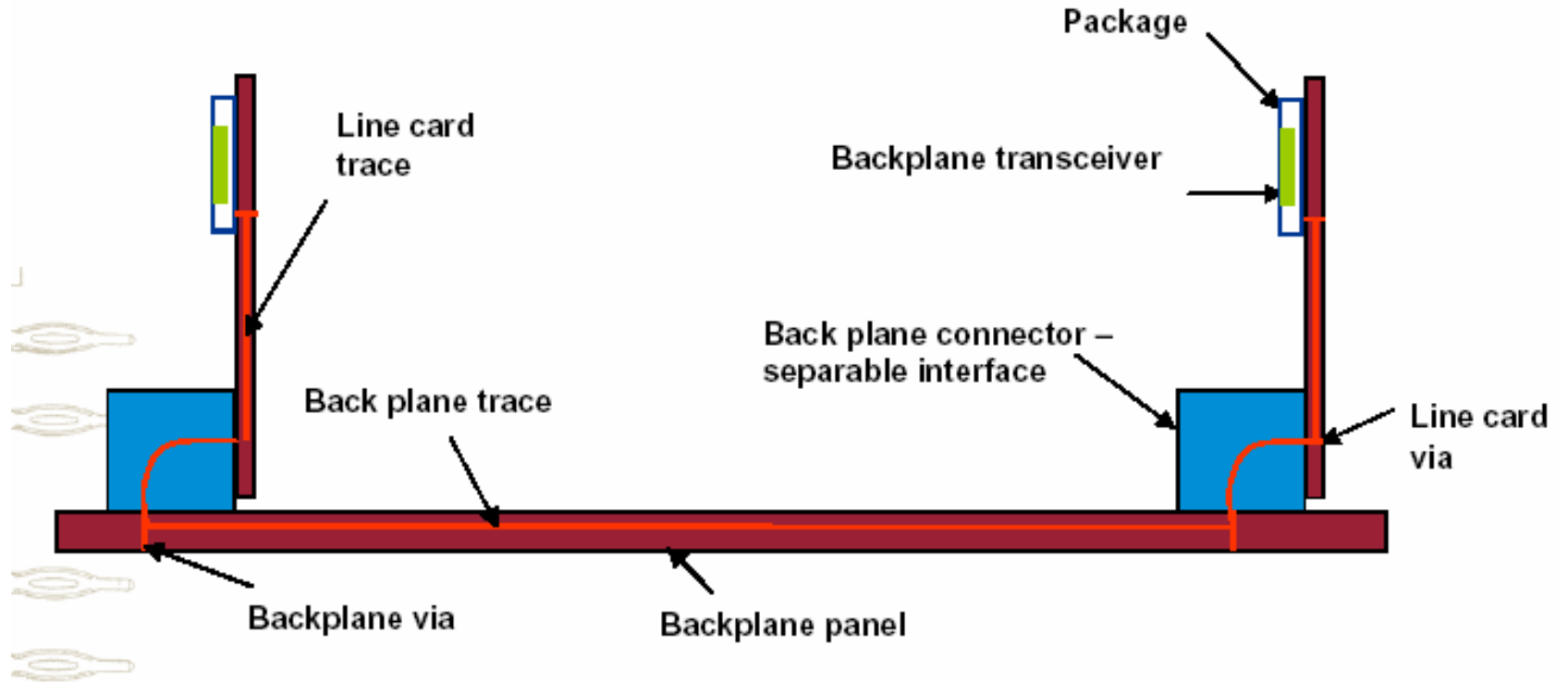
- Telecommunication Switches
- Network Routers
- High Performance Computing
- Mass Storage Devices

• Backplanes support daughtercards with complex (and expensive) devices; gives system designers flexibility:

- Field reparability
- Multiple configurations
- Low – cost upgrades

• Backplanes are passive but must provide a clear signal path

A Typical Backplane Configuration



2005 NEMI Backplane Substrate Implementation Plan

