Molex Open19 Support and Roadmap

September 27, 2018
Open19 Chassis
Connectivity Detail within Open19 Rack

- Rear of brick cage panel openings accept standard Molex cable solution
  - ‘Spine’ supports easy routing and installation into rack (sub 2 minute)

- Building blocks utilize standard Molex PCB connector
  - Current generation supports up to 4 bi-directional lanes at 56 Gbps PAM-4 (initially 50G servers, moving to 100G)
External Cable Future Path

- Impel 56G PAM-4
- Impulse 56G PAM-4/112G PAM-4
- MTP Fiber
Internal Server and Switch Future Path: ASIC to Panel

- Upgrade interior of the server to a ‘bypass’ solution using cable to near-ASIC connection
  - Full copper cable
  - Hybrid copper cable/press-fit module
  - Hybrid copper cable to I/O module
  - Optical
  - Copper to optical