Molex supports the Open19 Foundation

The Open19 Open Source Data Center initiative

The Open19 Foundation has developed a technology for open source data centers. This project aims to establish an open standard for servers based on a common form factor. The goals of Open19 are to provide lower cost per rack, lower cost per server, optimized power utilization, and an open standard that everyone can contribute to and participate in.

Molex supporting Open19

Delivering industry-leading signal integrity and density while providing a scalable price and performance path for future data-rate enhancements, the Impel and Impel Plus system of backplane connectors and cable assemblies offers OEMs the option for equipment to operate at today's data rates and costs.

The Impel Backplane Interconnect System provides the footprint and interface that enables customers to drive speeds that achieve 25 Gbps NRZ with a migration path to 56 Gbps NRZ and 56 Gbps PAM-4 without completely re-designing their architecture or replacing existing hardware in the data center while meeting the mechanical density requirements being driven by the industry.

The Impel Plus Backplane Connector System achieves data rates up to 56 Gbps while delivering optimal signal integrity with a grounding tail aligner that minimizes impedance discontinuities and reduces crosstalk. Additionally, an innovative signal interface improves insertion loss over in-line beams, pushing frequencies past 30 GHz.

Advantages

The Molex Impel data cable assembly:

- Allows customers to connect 48 servers to one Open19 switch
- Offers a plug-and-play solution
- Drives density and speeds to support 100 Gbps data center deployments
- Aligns with standard 19” rack deployment and allows quick upgrade of legacy hardware
- Cost-effective solution maximizing speed and density

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Component</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>171320-1022</td>
<td>Impel Switch Aggregator Daughtercard Connector</td>
<td>56 Gbps</td>
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<tr>
<td>171320-9032</td>
<td>Impel Server Daughtercard Connector</td>
<td>56 Gbps</td>
</tr>
<tr>
<td>203387-9001</td>
<td>Impel Cable Assembly</td>
<td>56 Gbps</td>
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For more information please visit: [www.connector.com/solution/open19](http://www.connector.com/solution/open19)  [www.open19.org](http://www.open19.org)