Introducing
CFP Compliant 40G & 100G Ethernet Connectors and Components
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KEY FEATURES

10x solution using Tyco Electronics high speed 148 position connector, supporting 10Gb/s per channel.

- Plug connector straddle mounts to the Optical Transceiver module printed circuit board for conventional processing.

- Receptacle connector is surface mount (SMT) processed to the host board for conventional processing.

- Design supports belly-to-belly port positioning (mounted on both sides of host board) for high density.

- Accepts all CFP MSA compliant optical transceivers.

- Provides EMI shielding at the host connector interface and at the bezel opening via integrated EMI gasketing.

DESCRIPTIONS

The CFP compliant connector is a new ultra high speed pluggable I/O interface supporting 40 and 100 Gb/s ethernet applications. The integrated system provides the mechanical, EMI and thermal performance necessary to meet the demanding requirements of the CFP Multi Source Agreement (MSA) Optical Transceivers and OEM host line cards.

APPLICATIONS

Switches and routers for telecom and data center applications

Optical transport equipment for long haul, metro, and multiservice provisioning platform applications

ELECTRICAL/OPTICAL

Developed to support the demanding electrical requirements of the 40Gb/s and 100Gb/s interfaces

Insertion loss, return loss and cross talk exceed the performance of existing industry 10Gb/s solutions

STANDARDS & SPECS

Meets the requirements of the CFP MSA specification

Product specification: [108-2399](#)

Application specification: [114-13262](#) (Transceiver connector assembly)

: [114-13263](#) (Host board assembly)

PRODUCT OFFERING

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2057629-1</td>
<td>Module Connector Plug</td>
</tr>
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</table>
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PRODUCT OFFERING (Cont’d)

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<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>2057630-1</td>
<td>Host Board Receptacle Connector</td>
</tr>
<tr>
<td>2057592-2</td>
<td>Guide Rail (two required)</td>
</tr>
<tr>
<td>2057631-1</td>
<td>Receptacle Cover</td>
</tr>
<tr>
<td>2057626-1</td>
<td>External Bracket Assembly</td>
</tr>
<tr>
<td>2057930-1</td>
<td>Backer Plate Assembly</td>
</tr>
<tr>
<td>1963856-1</td>
<td>Riding Heat Sink</td>
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CFP Compliant Connector Hardware, Scale 2:1
(Shown without panel)