Tyco Electronics

Introducing

CFP Compliant 40G & 100G Ethernet
Connectors and Components

Tyco Electronics

Our commitment. Your advantage.

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
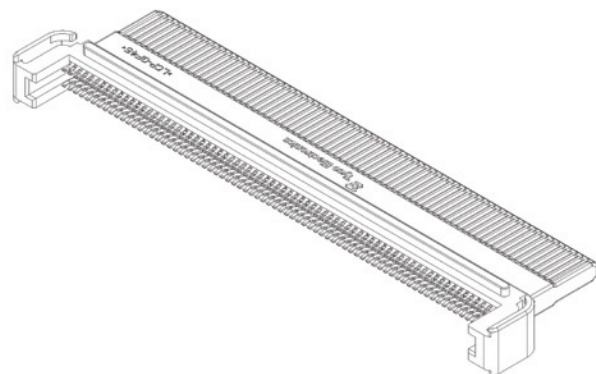
STANDARDS & SPECS

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

Part Number	Description
2057629-1	Module Connector Plug

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PRODUCT OFFERING (Cont'd)

Part Number	Description
2057630-1	Host Board Receptacle Connector
2057592-2	Guide Rail (two required)
2057631-1	Receptacle Cover
2057626-1	External Bracket Assembly
2057930-1	Backer Plate Assembly
1963856-1	Riding Heat Sink

CFP Compliant Connector Hardware, Scale 2:1
(Shown without panel)

GUIDE RAIL (2)

HOST CONNECTOR
COVER ASSEMBLY

BACKER PLATE
ASSEMBLY

HOST
CONNECTOR

HOST PCB

EXTERNAL BRACKET
ASSEMBLY

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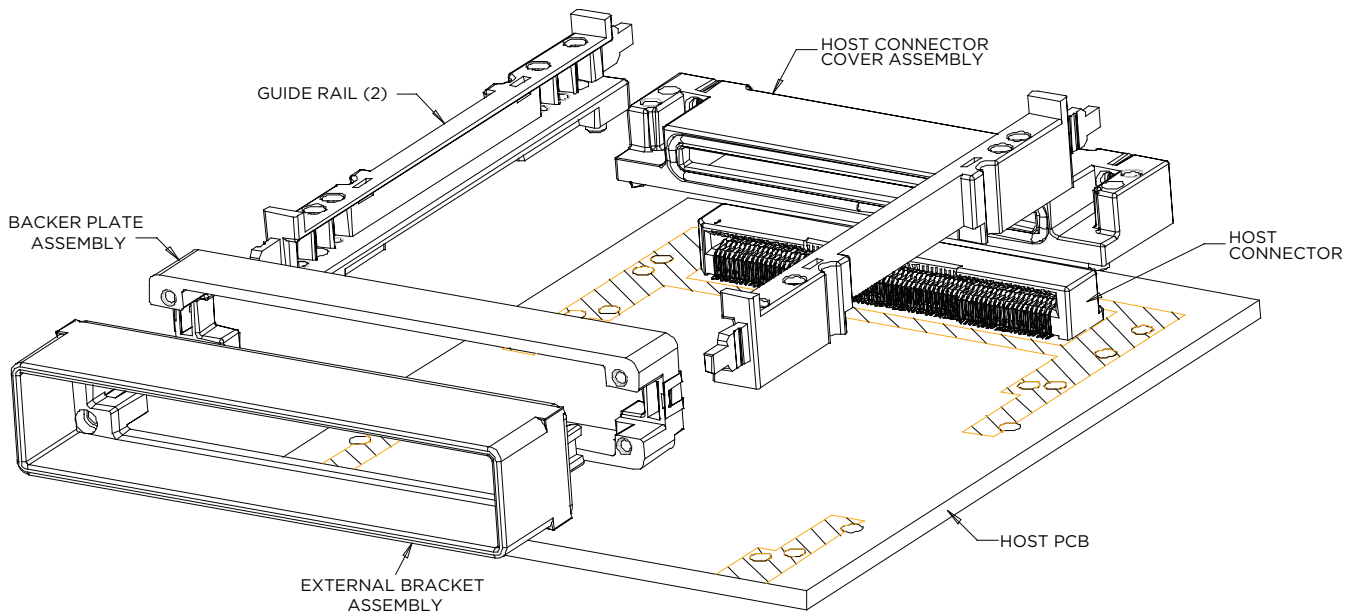
FOR MORE INFORMATION
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