

Cfp2 optical module pins



Overview

The Module uses a 104-pin OIF CFP2 Hardware Specification connector (Refer to OIF-CFP2-DCO-01. pdf) for all electrical interfaces with the host card, whereas the optical interfaces on the line side are provided through the optical receptacles on the CFP2. The members of the CFP MSA have authored this document to provide an industry standard form factor for. This document details an Implementation Agreement (IA) for a CFP2-DCO Module and defines the CFP2-DCO form factor of an optical transceiver which can support 100Gbit/s, 200Gbit/s, 300Gbit/s and/or 400Gbit/s line interface rates for Ethernet, ITU-T OTN, OIF and other applications. This specification. This document describes the product specifications for coherent 400G CFP2 DCO modules based on dual polarization quadrature amplitude modulation (DP-16QAM) or probabilistic constellation shaping quadrature amplitude modulation (PCS-16QAM) supporting extended C-band, polarization diversity coherent. CFP2-DCO-400G-D is CFP2 form factor coherent pluggable module compliant to the CFP MSA CFP2 hardware specification, based on DP-mQAM modulation, polarization diversity coherent intradyne detection and advanced electronic link equalization. Figure1-1 shows the picture of this module. All the

control interface pins are. CFP2 is a pluggable optical module that uses CEI-28G-VSR as its electrical interface (as defined by the CFP Multi-Source Agreement (MSA) member companies).

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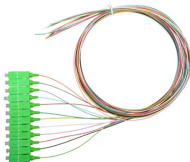
The control and status reporting functions between a host and a CFP2-DCO module use non-data control and status reporting pins on the 104-pin connector. The control and status reporting ...



The optical module consists of three functional parts: TX module, RX module and control module. All the control interface pins are provided by an internal micro controller.



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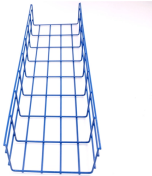
The CFP2 specification defines the mechanical connector requirements for the 104-pin CFP2 connector. The host connector assembly is composed of a female host connector, and a metal connector cover ...



The optical connectors are positioned in the CFP2 module as illustrated in Figure 5-10. The optical connector is centered in position along the X-axis (module width) with an offset tolerance of $\pm 0.5\text{mm}$.



On the host side, the module can accommodate a variety of signal types including 4x 100GE, 2x 200GE, 1x 400GE, OTUCn(n=[1..4]), and OTU4.



Cisco offers a comprehensive range of pluggable optical modules in the Cisco ONS pluggables portfolio. The wide variety of modules gives you flexible and cost-effective options for all ...



The CFP2 module shall support LC, MTP12 and MTP24 optical connector types, as listed in Table 5-3. The optical connectors are positioned in the CFP2 module as illustrated in Figure 5-10.



The Coherent 100G/200G CFP2-DCO optical module, using a 104pin CFP2-MSA connector, serves as an electrical interface to the system board. The physical diagram of the module is shown

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For more information, pricing, or custom data center solutions, please contact us:

Website: <https://yoahorroenergia.es>

Email: hello@yoahorroenergia.es

Phone: +233 54 318 7269

Address: Plot 28, Spintex Road, Accra, Greater Accra, Ghana

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