

Product Specification

Evaluation Kit for Integrated Coherent Detector

Eva-Kit CPDV



PRODUCT FEATURES

- Evaluation kit for laboratory testing of CPDV modules
- PCB board for mechanical mounting of CPDV modules
- Banana plugs for laboratory access of CPDV DC control lines

APPLICATIONS

- Product evaluation
- Laboratory test systems
- Interface board and DC control cable for 4x64 Gb/s optical frontend

The evaluation kit consists of a PCB for mechanical mounting of CPDV modules and a DC connector cable. The PCB is designed to directly access the GPPO connectors of the module package. DC control is enabled via banana connectors. The kit enables easy electrical access and full control of CPDV modules.

ORDERING INFORMATION

Eva-Kit CPDV

Eva-Kit CPDV is consisting of:

- **Eva-CPDV PCB board**
- **Eva-Cable-Set CPDV**

I. Evaluation Board

The PCB evaluation board is designed for mechanical mounting of CPDV modules. Electrical connection to the module is obtained via Ni/Au finished electrical pads. Care needs to be taken for precise alignment of the package electrical leads to the pads on board. Slight bending of leads for increased spring load is suggested. The module can be fixed by 4 screws. The board is equipped with a keyed 40 pin header for connecting the DC cable.

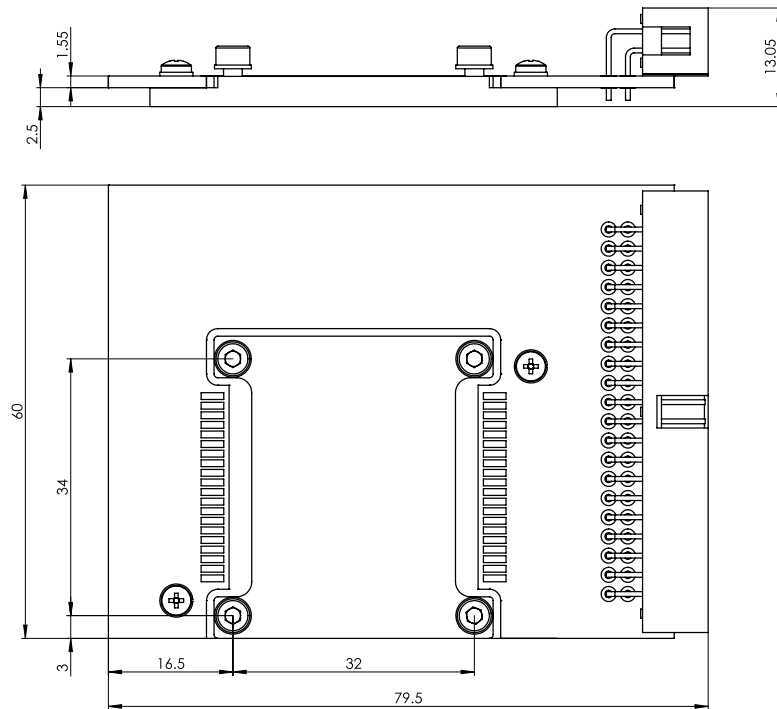


Figure 1: PCB Layout (dimensions in mm)

- Single-layer PCB
- 1.5 mm thickness
- Material: FR4
- 35 μm Cu
- Ni/Au finish
- Base plate: Al

II. DC Cable

The DC cable provides access to the DC pins of the CPDV module via banana plugs. Connection to the evaluation board is obtained by a 40 leads keyed connector. Each cable is labeled near the banana plug with the function of the CPDV module pin it is connected to. The connectors are organized in groups for polarization (X, Y), polarity (+, -) and the NTC.

III. Revision History

Revision	Date	Description
A1	05/23/2014	• Document created.

Notes

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