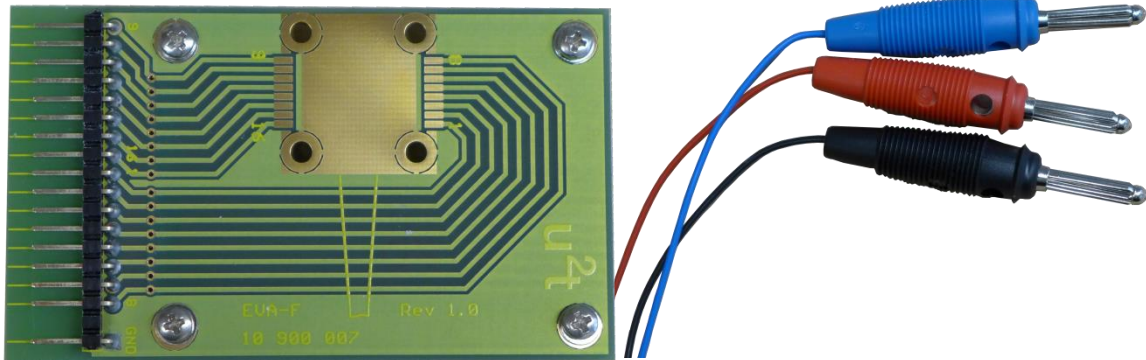


## Product Specification

### Evaluation Kit for Integrated Coherent Detector

#### Eva-Kit XPRV



#### PRODUCT FEATURES

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

#### APPLICATIONS

- Product evaluation
- Laboratory test systems
- Interface board and DC control cable for optical frontend

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

#### ORDERING INFORMATION

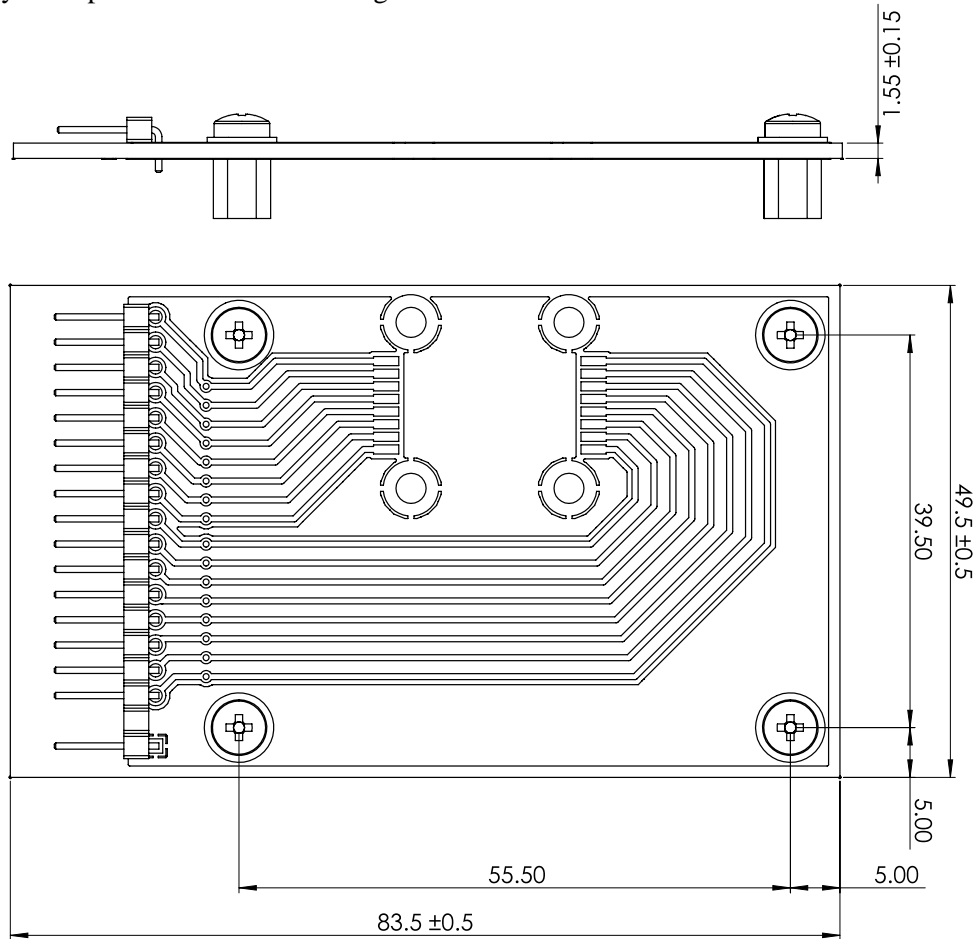
**Eva-Kit XPRV**

Eva-Kit XPRV is consisting of:

- **Eva-XPRV PCB board**
- **Eva-Cable-Set XPRV**

## I. Evaluation Board

The PCB evaluation board is designed for mechanical mounting of XPRV 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 17 pin header for connecting the DC cable.



**Figure 1: PCB Layout (dimensions in mm)**

- Single-layer PCB
- 1.5 mm thickness
- Material: FR4
- 35  $\mu\text{m}$  Cu
- Ni/Au finish

## II. DC Cable

The DC cable provides access to the DC pins of the XPRV module via banana plugs. Connection to the evaluation board is obtained by a 17 leads keyed connector. Each cable is labeled near the banana plug with the function of the module pin it is connected to.

**III. Revision History**

<b>Revision</b>	<b>Date</b>	<b>Description</b>
A1	01/30/2015	<ul style="list-style-type: none"><li>• Document created.</li></ul>

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