

# PicoDLynxII™: Non-Isolated DC-DC Power Modules

## PicoDLynxII™ Series Evaluation Board Documentation

The PicoDLynxII™ series evaluation board (PJT020/014/007/004) comes with an assembled module and test components. The specific combination of module and the board can be ordered through your sales representative

### 1. Schematics

Component values are for reference only; refer to the data sheet for appropriate values and pictures in this document for preinstalled component.



## 2. Physical Description

An annotated photograph of the PicoDLynxII™, single footprint evaluation board is shown below. The arrows indicate locations of various components. Pre-Installed components for the PicoDLynx™ - Trim resistor R6, input filtering [(0.047uF,16V), (0.1uF, 16V), (2x22uF,16V),(470uF,16V)], Output filtering [(0.047uF,16V), (0.1uF, 16V), (2x22uF,16V)], R<sub>SENSE</sub> resistors, R<sub>7</sub> & R<sub>10</sub> = 0 Ohms, R<sub>6</sub> =20K and some test points.

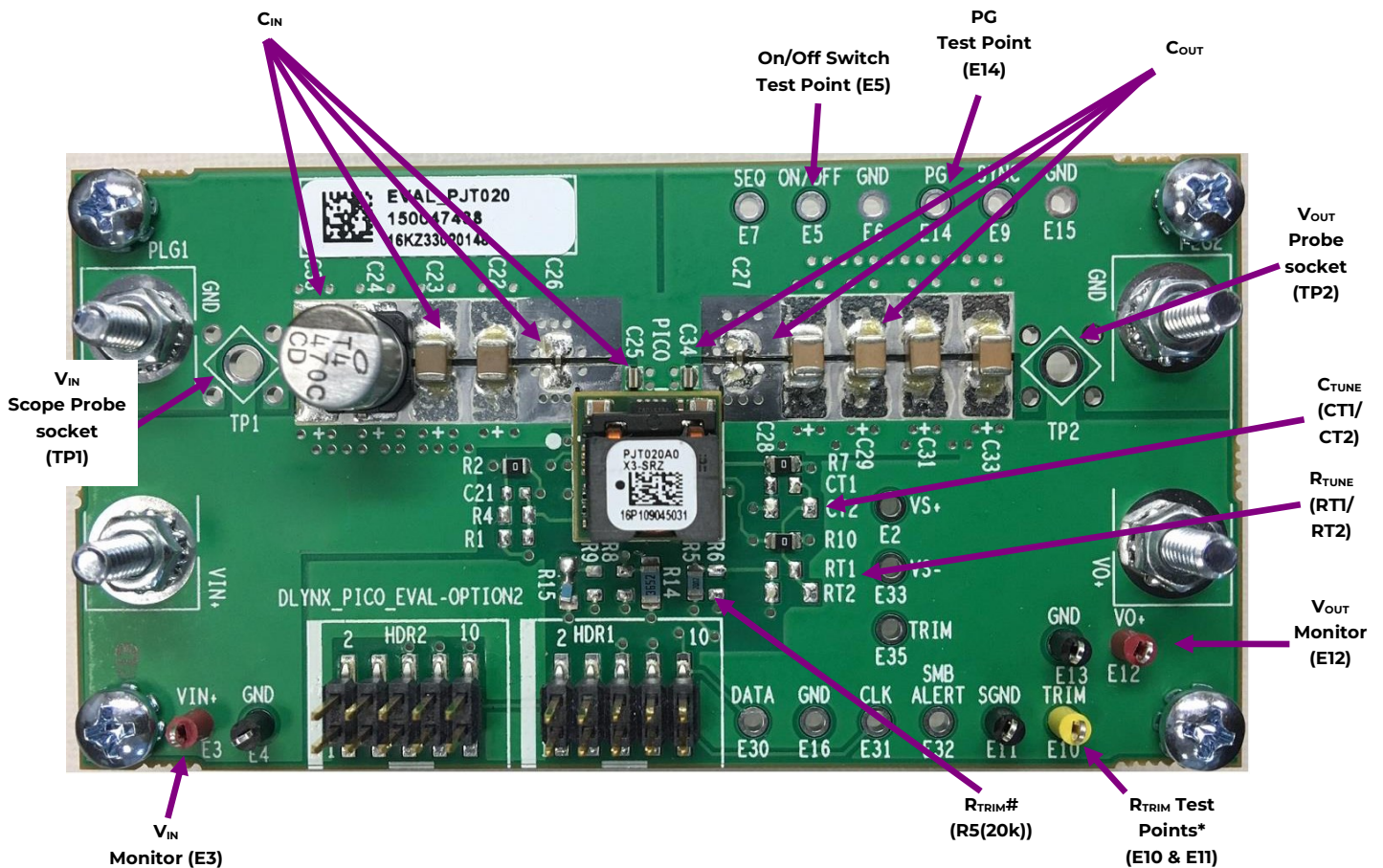


Figure 2. Power and Analog Signal Interface for the PJT020 Eval Board

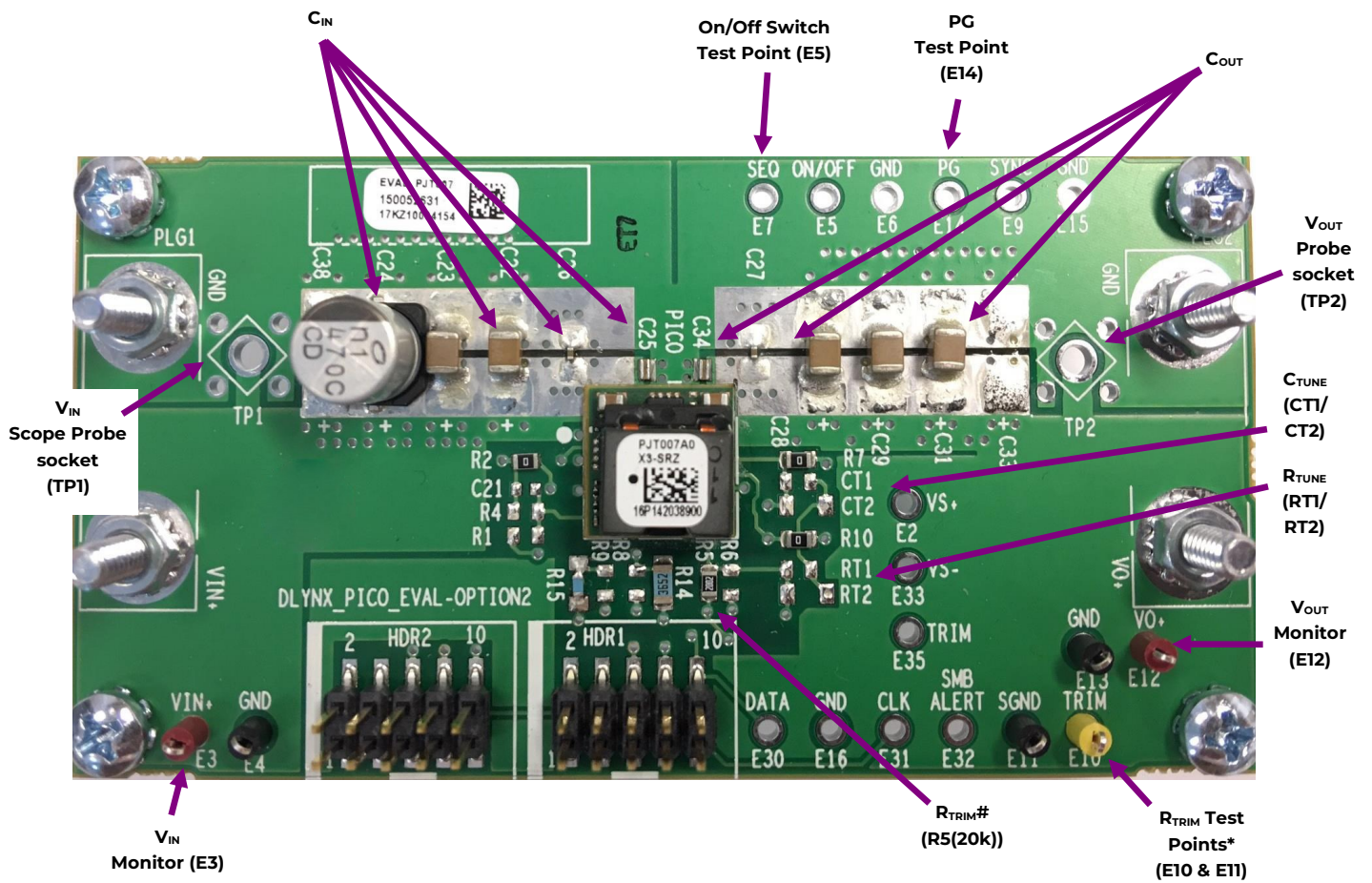


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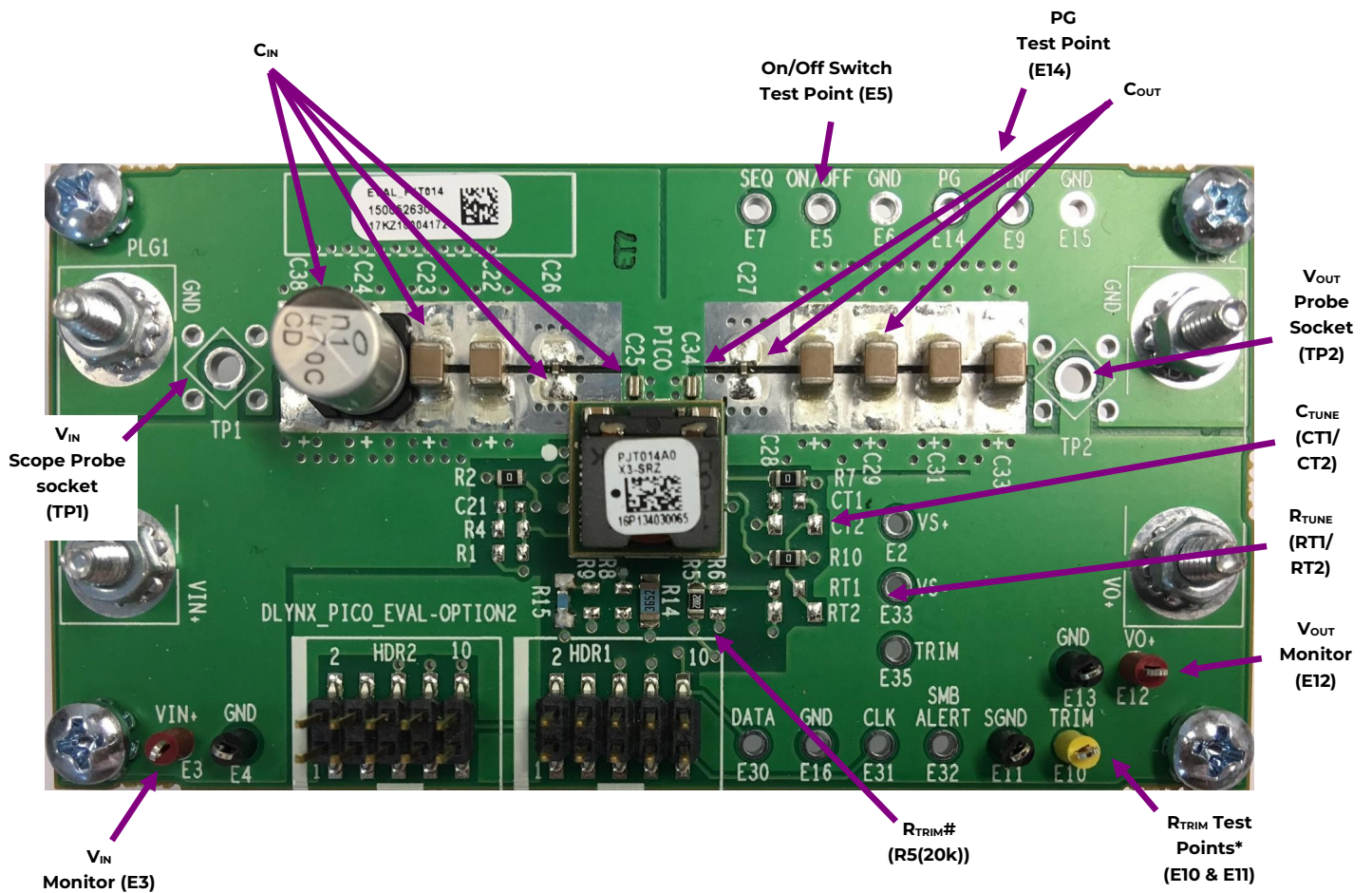


Figure 2. Power and Analog Signal Interface for the PJT020 Eval Board

\* The evaluation board comes with preinstalled ADDR1 resistor, R14=36.5K and ADDR0 resistor, R15=53.6K. These values correspond to Octal digits “3 4” equivalent to HEX number “1C” (equivalent to 28 decimal). Please refer to the data sheet for additional details.

\*\* HDR1/HDR2 allow the unit on the Eval board to interface (via 10 pin Ribbon Cable) with another unit on a different Eval Board and/or to OmniOn’s “USB Interface Adapter” module. For further details, please refer to the OmniOn document, “Digital Power Insight™ User Manual”.

Note1: The red wire on the ribbon cable should be aligned to Pin 1 (left side) of the HDR1 or HDR2 connectors. Note2: Headers and Ribbon Cable Assembly details:

Part Description (HDR1 & HDR2): 10-Pin Dual Row Male Pin Header, SMT

e.g. FCI P/N: 95157-210 (Digi-Key P/N: 95157-210-ND) or Molex P/N: 0015910100

Part Description: IDC Ribbon Cable Assembly

e.g.: 3M P/N: M3DDA-1018J (Digi-Key P/N: M3DDA-1018J-ND) or Molex P/N: 111062-0

## Contact Us

For more information, call us at

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