

MicroLynxII™: Non-Isolated DC-DC Power Modules

MicroLynxII™ Series Evaluation Board Documentation

The UJT035 DLynxII™ series evaluation board (UJT035 TESTFIXTURE) 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

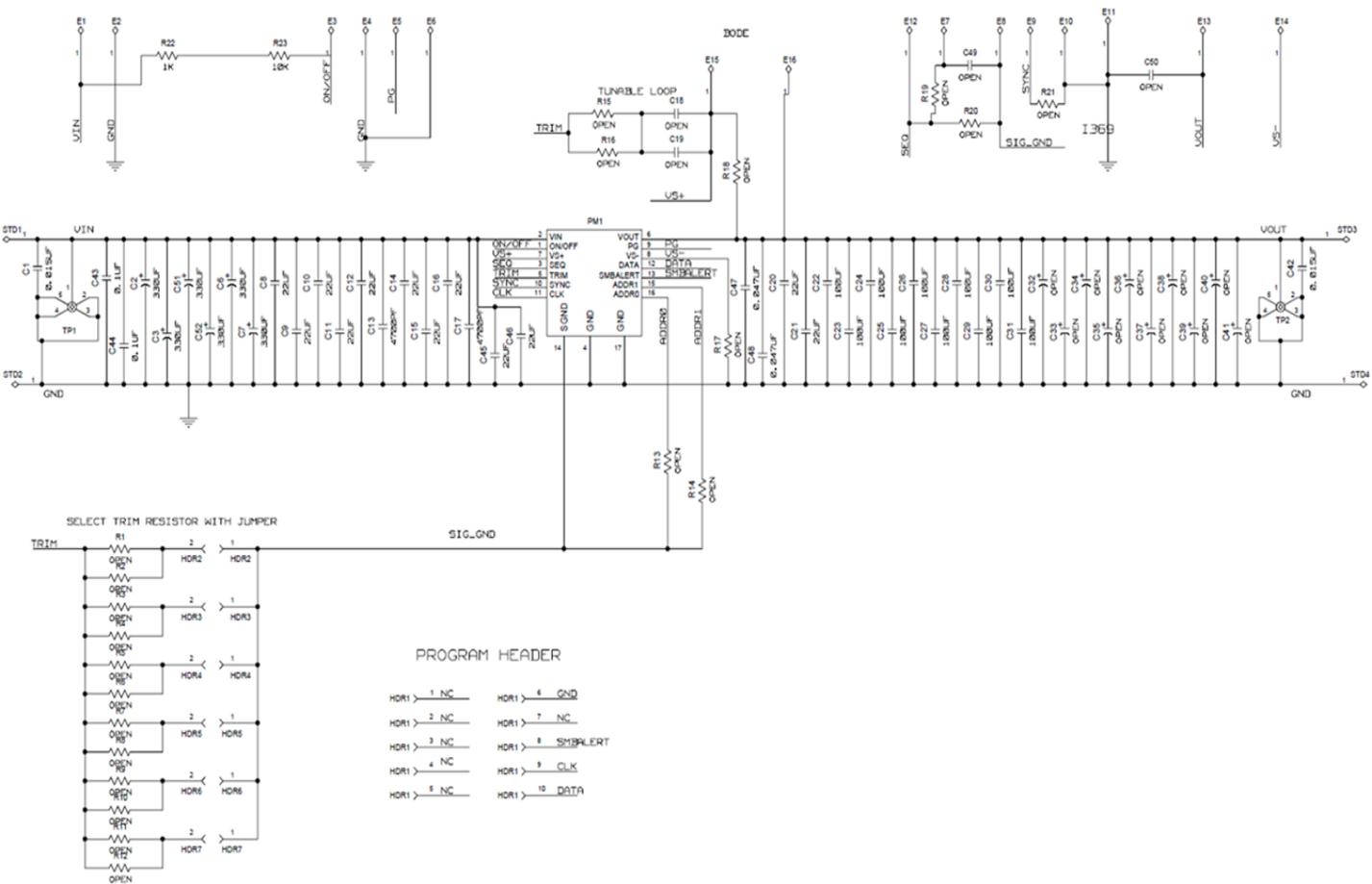


Figure 1a. Schematic

Pre-Installed components for the UJT035 Test Fixture include input filtering [(2x0.1uF,16V) + (2x0.047uF16V), (6x22uF,16V), (1x470uF,16V)], output filtering [(2x0.uF,16V), (8x47uF,6.3V)], RSENSE resistors, R17 & R18 = 0 Ohms, Output Voltage Selector (0.9 to 3.3V) and some test points.

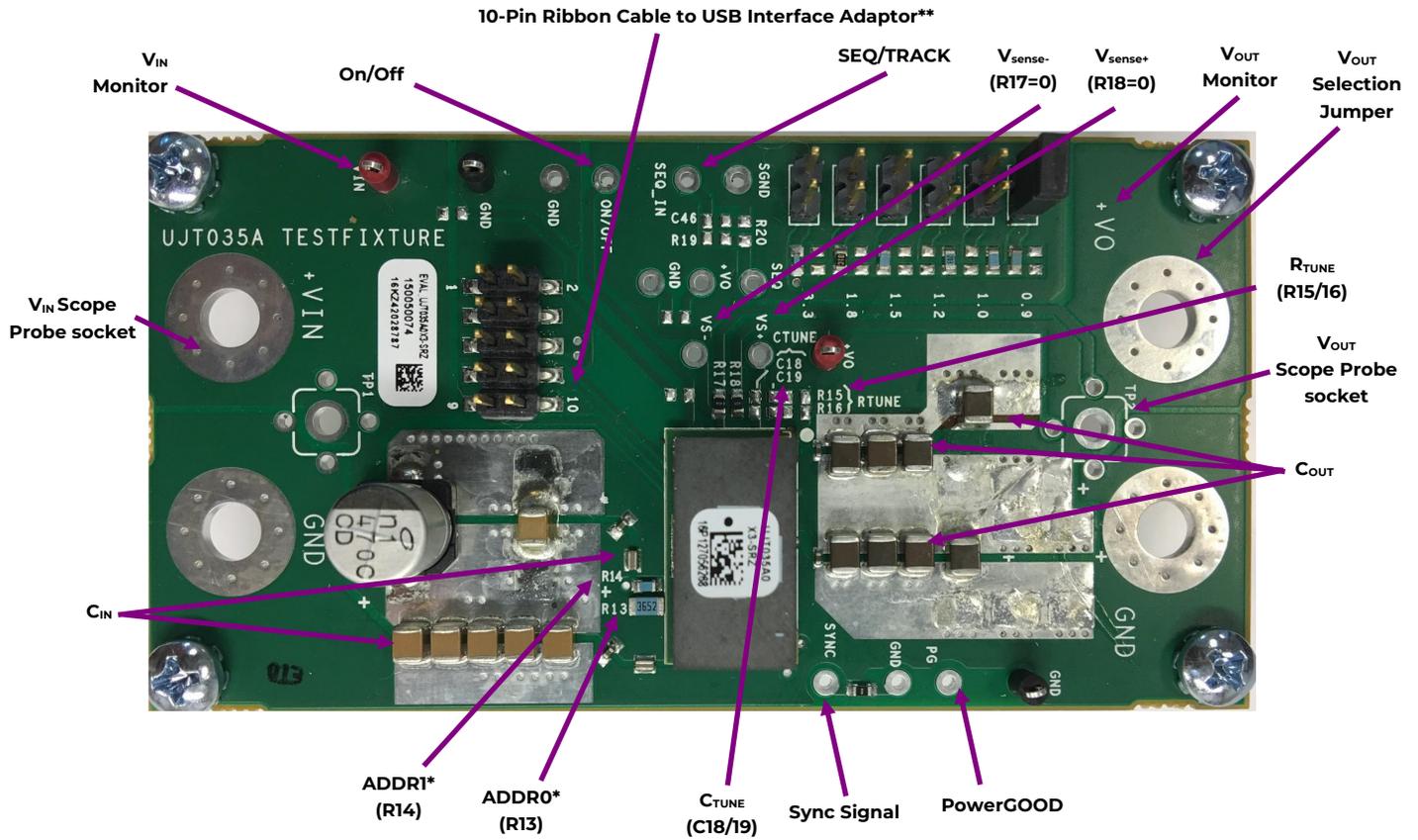


Figure 2. Power and Analog Signal Interface for the UJT035 Eval Board

* The UJT035 evaluation board comes with preinstalled 53.6 k Ω ADDR1 resistor and 36.5K Ω ADDR0 resistor which corresponds to address 43 Octal or 35 Decimal. Please refer to the data sheet for additional details.

** Allow the unit on the Eval board to interface (via 10 pin Ribbon Cable) with a OmniOn “USB Interface Adapter”. For further details, please refer to the OmniOn document, “Digital Power Insight™ User Manual”.

Note 1: The red wire on the ribbon cable should be aligned to Pin 1 (left side)

Note 2: Header 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: 111062-022

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