MicroDLynxII[™] Series Evaluation Board Documentation

The UJT035 DLynxII[™] series evaluation board (UT035 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

BODE 822 R23 C49 лок 10К E15 C50 OPEN OPEN TUNABLE LOOP R21 g C18 ~~~~ ~~~ OPEN NIN OPEN OPEN TRIM I.369 OPEN R16 C19 SIG GND ~~~~ OPEN OPEN PEN S US4 PM1 STD1 UTN VOLIT STD3 VOUT PG VS-DATA BALER ADDR ADDR DATA SMBALERI 응부분 GND **DDRØ** . †aøur 2 STD2 STD4 GND GND SEX S PEN SPEC SELECT TRIM RESISTOR WITH JUMPER SIG_GND TRIM ~~~ HDR2 HDR OPEN -~~~ OBEN OREN HDR3 HDR3 -~~~ OPEN PROGRAM HEADER OPEN HDR4 HDR GND uner 1 ------HDRS HDR5 SMBALER -~~~-OPEN HDR6 10 DATA HDR6 -~~~ OREN ~~~~ HDR7 HDR7 OREN

Figure 1a. Schematic

OPEN

GE MicroDLynxII™: Non-Isolated DC-DC Power Modules

Pre-Installed components for the UJT035 Test Ficxture include input filtering [(2x0.1uF,16V + 2x0.047uF16V), (6x22uF,16V), (1x470uF,16V)], output filtering [(2x0.uF,16V), $(8x47\mu F,6.3V)$], R_{SENSE} resistors, R₁₇ & R₁₈ = 0 Ohms, Output Voltage Selector (0.9 to 3.3V) and some test points.

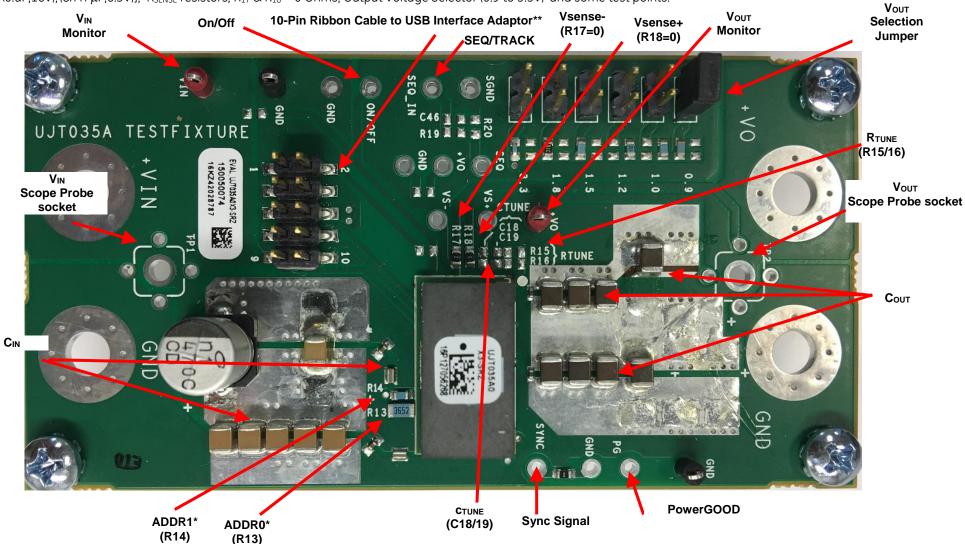


Figure 2. Power and Analog Signal Interface for the UJT035 Eval Board