



Austin Tlynx™ Series Evaluation Board Documentation

There are two Austin Tlynx™ series evaluation boards. One board has a dual layout of the Austin PicoTlynx™ and the Austin MicroTlynx™ modules, the second has a dual layout of the Austin MicroTlynx™, and the Austin Tlynx™/MegaTlynx™ modules. Note that the boards come with a module already assembled on to the board. The specific combination of module and board desired can be ordered using the list available from your sales representative.

The dual layouts on each board also serve as example layouts for applications where dual layouts may be desirable, e.g. when the output current is uncertain and there is an advantage in either adding a higher power or lower power capability through a dual layout.

1. Schematics

Figures 1 and 2 show schematics of the PicoTlynx/MicroTlynx and MicroTlynx/Tlynx/MegaTlynx evaluation boards.

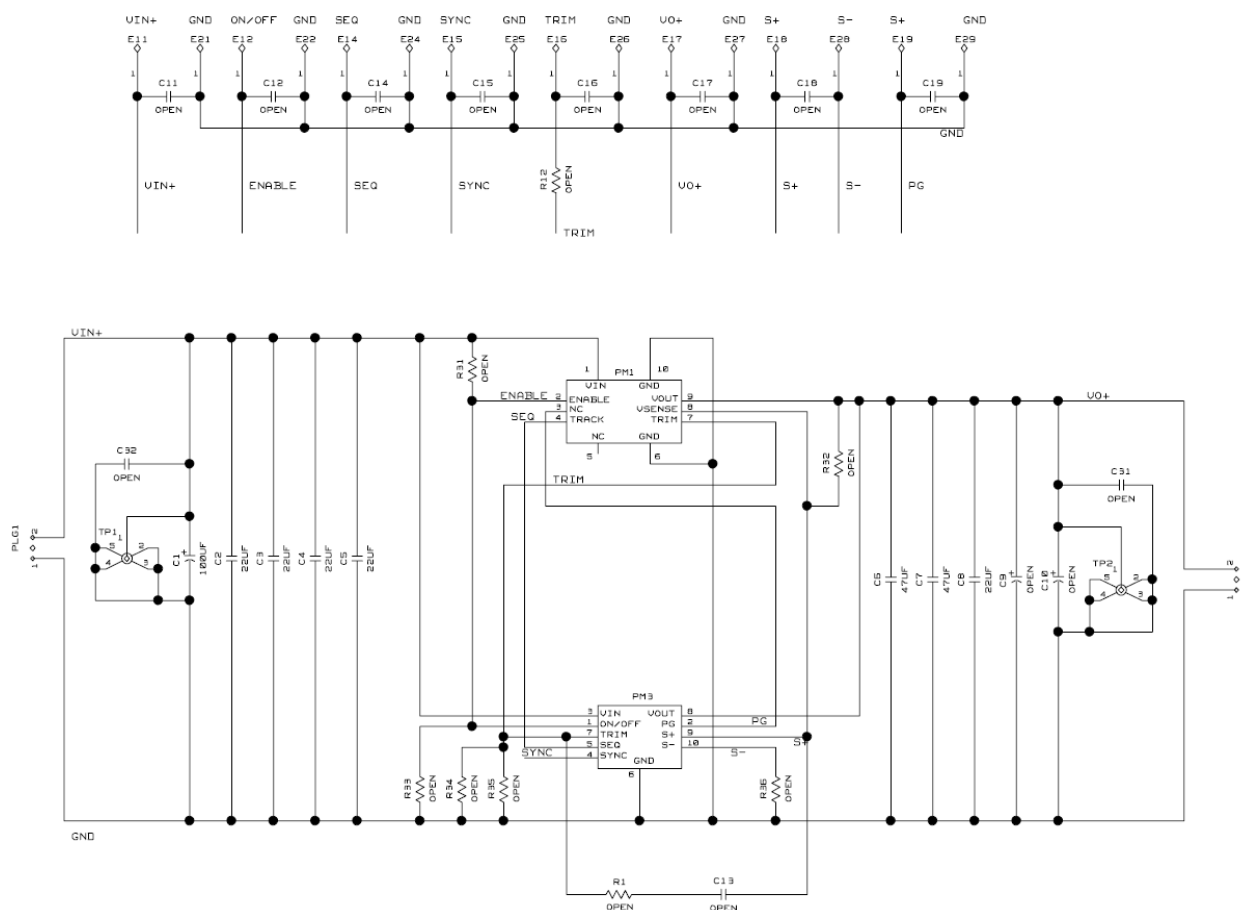


Figure 1. Schematic of the PicoTlynx/MicroTlynx Evaluation board.

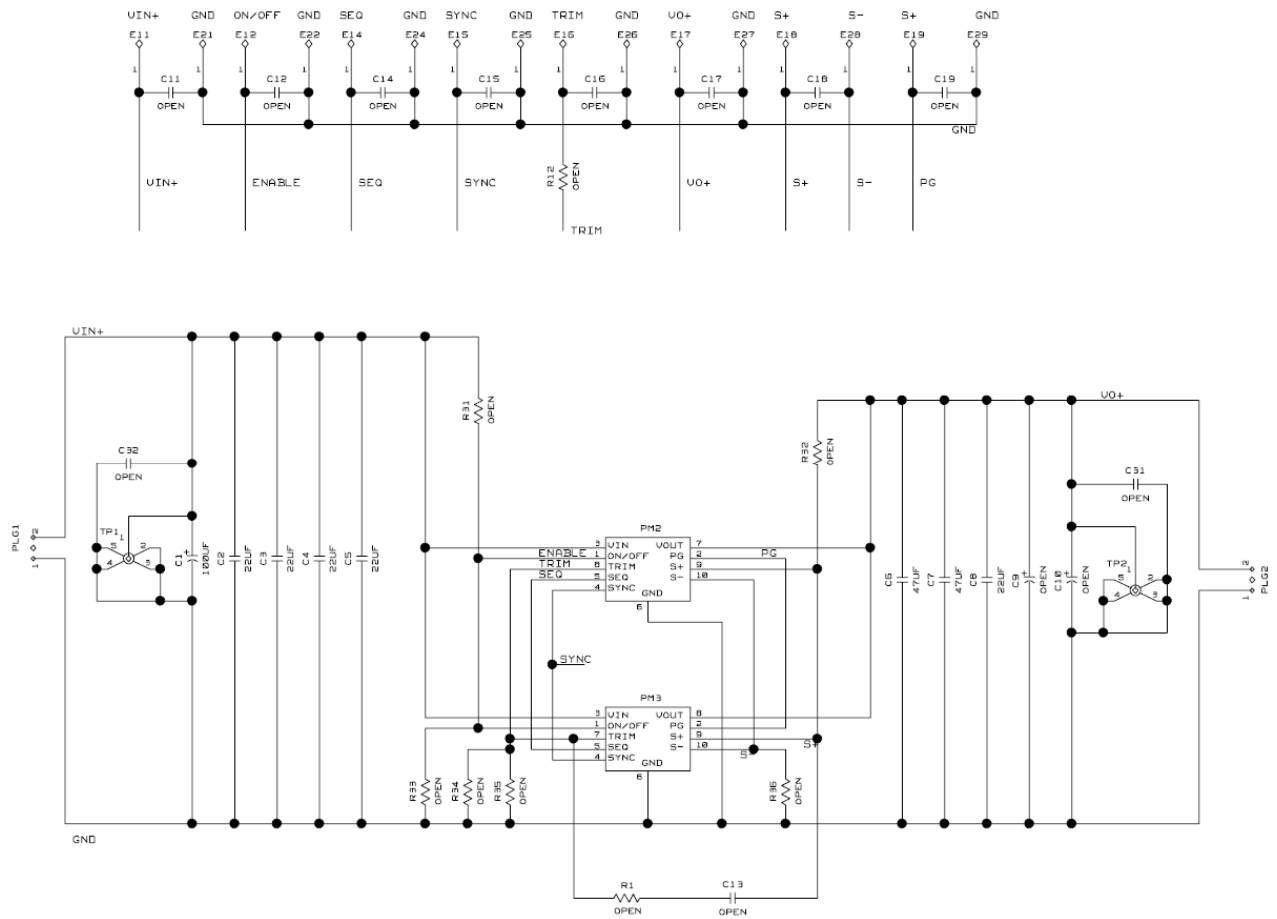
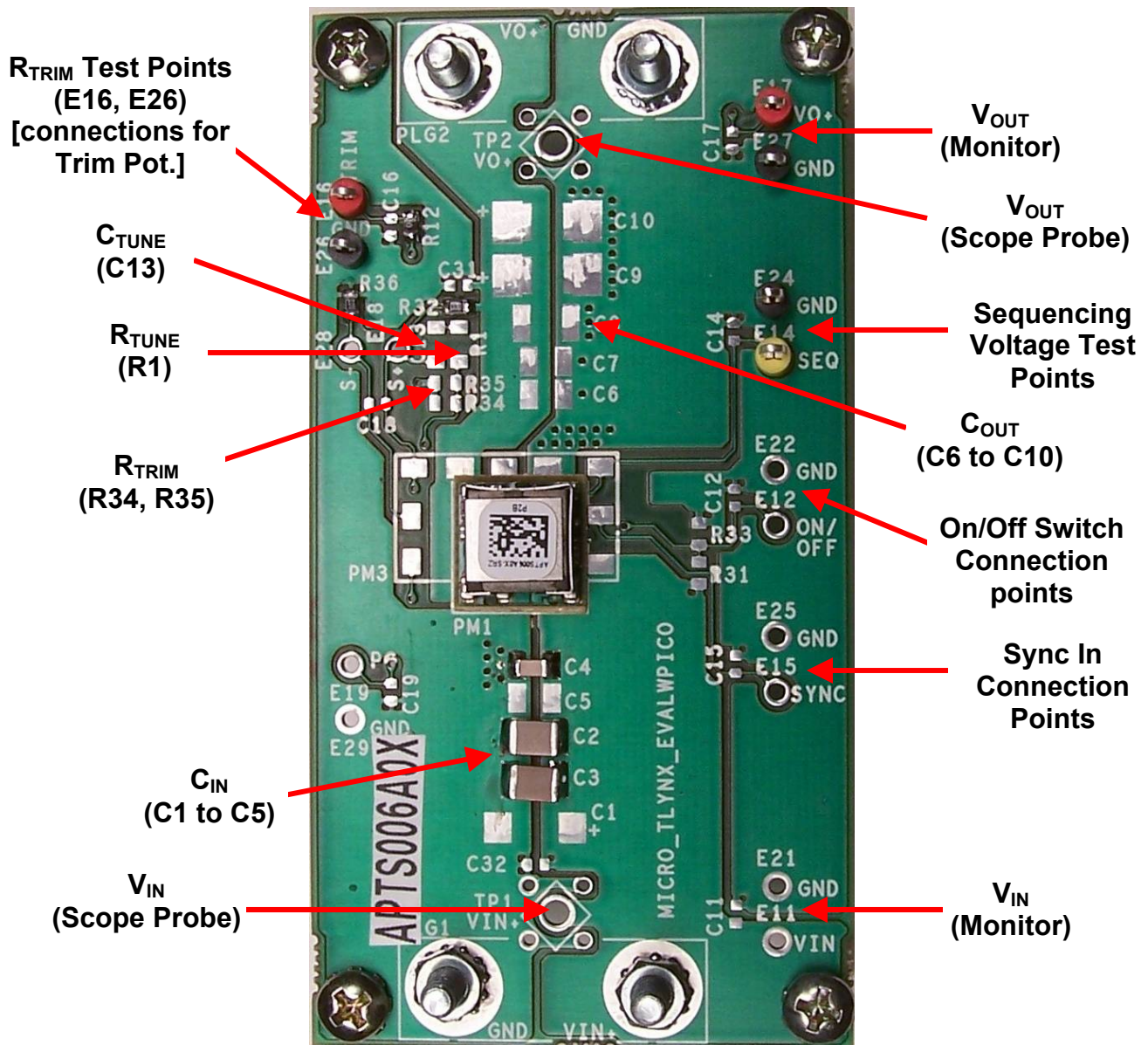


Figure 2. Schematic of the MicroTLynx/TLynx/MegaTLynx Evaluation board.

2. Physical Descriptions

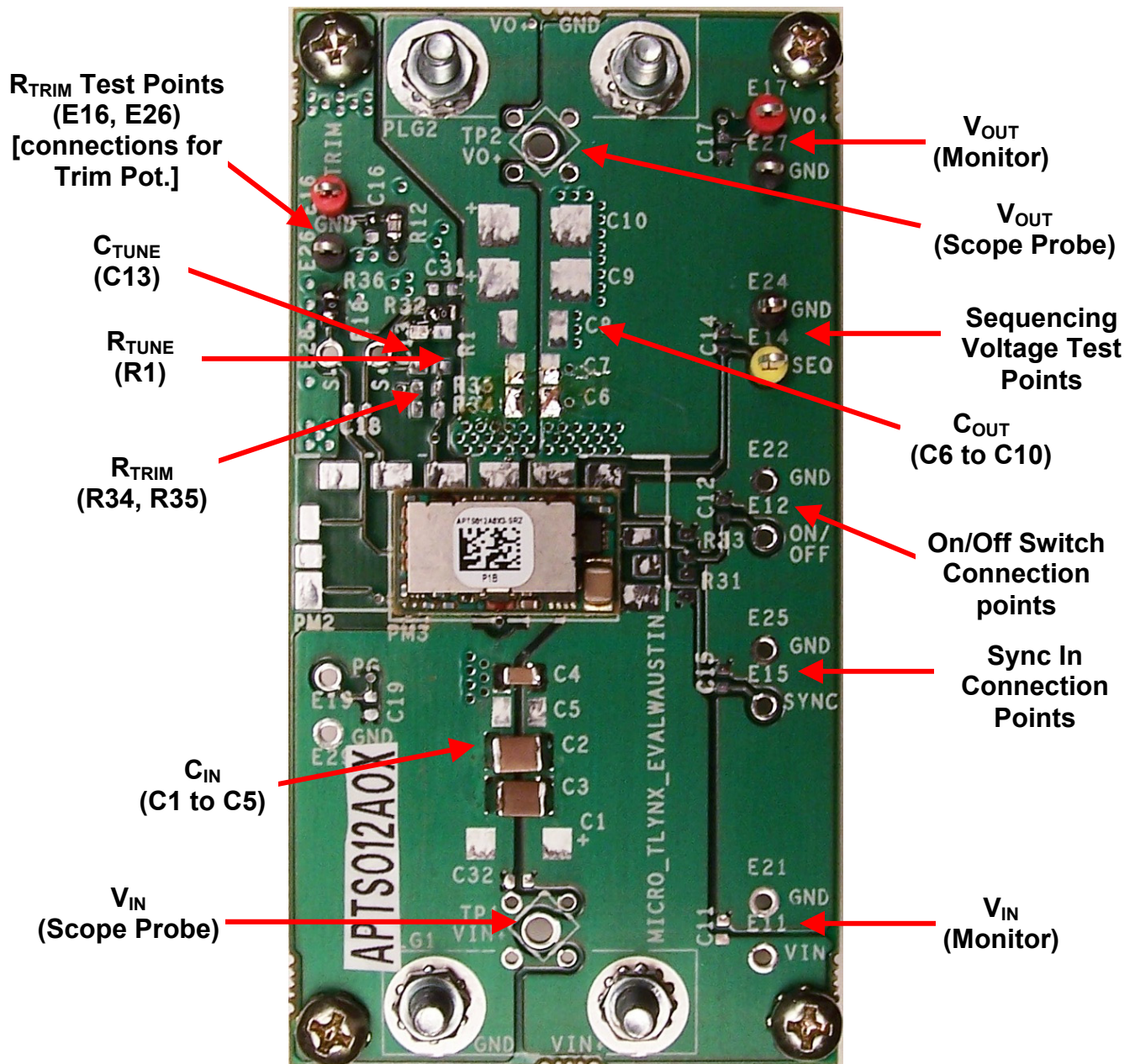
An annotated photograph of the PicoTLynx/MicroTLynx evaluation board is provided in the figure below. The notes indicate locations of various components. A minimum list of external components are the trim resistor R34/R35, input filtering (a $1\mu\text{F} + 2 \times 22\mu\text{F}$ ceramic capacitors are recommended as a minimum and are already assembled on the board) and some modest amount of output filtering ($1\mu\text{F} + 10\mu\text{F}$ ceramic).



Caution! Before applying power, make sure that the unit under test and the externally installed capacitors (input & output) have appropriate voltage ratings.

Notes: Module can be trimmed either by soldering fixed resistor(s) @ R34/R35 or by attaching a trim potentiometer/resistor between test points E16 and E26.

An annotated photograph of the MicroTLynx/TLynx/MegaTLynx evaluation board is provided in the figure below. The notes indicate locations of various components. A minimum list of external components are the trim resistor R34/R35, input filtering (a $1\mu\text{F} + 2 \times 22\mu\text{F}$ ceramic capacitors are recommended as a minimum and are already assembled on the board) and some modest amount of output filtering ($1\mu\text{F} + 10\mu\text{F}$ ceramic).



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