

# TCXO-EVAL-T

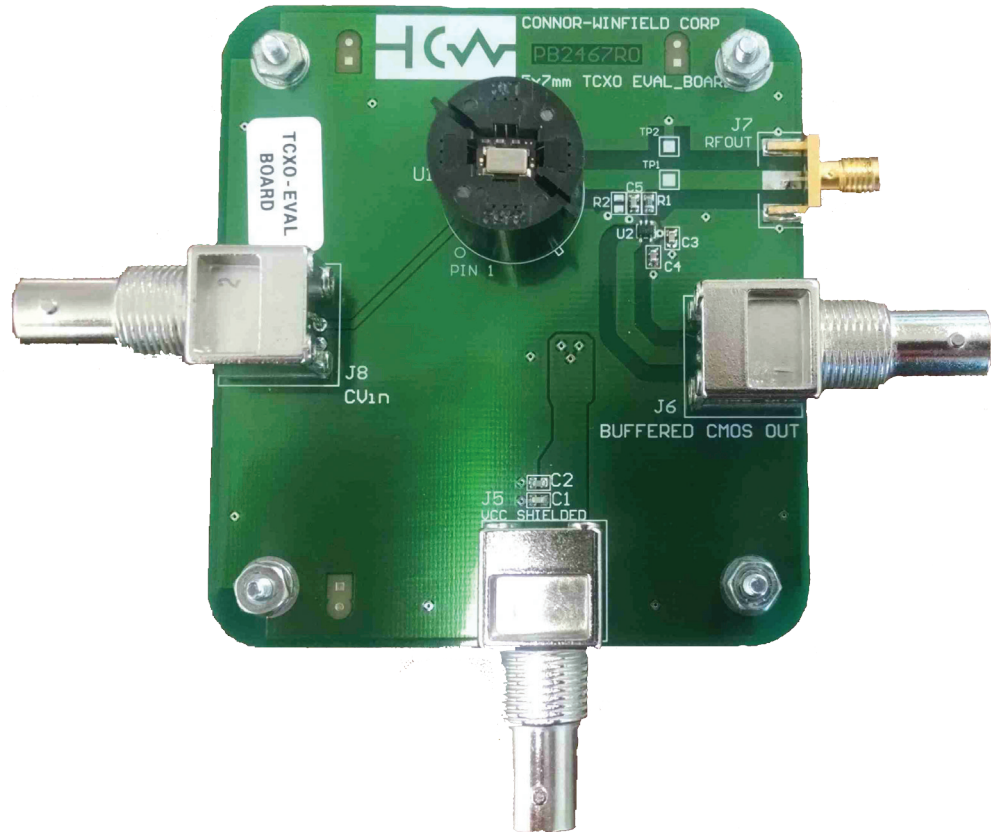
## Eval Board Quick Start Guide

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### General Instructions

1. Insert the 5x7mm TCXO into the eval board socket.
  - Pin 1 orientation is indicated with circle and "Pin 1" on lower left of socket.
  - Press the TCXO down firmly until fully seated into socket contacts.
2. Connect power
  - Connect J5 BNC connector to appropriate power source per the TCXO being tested (3.3V or 5V, etc). There is no voltage regulation on the eval board.
3. Connect output:
  - For LVCMOS outputs, connect the "Buffered CMOS Out" BNC J6 to oscilloscope or frequency counter. Use high impedance probe if possible, however this output can drive 50 ohms as well.
  - For clipped sine outputs, the eval board can be configured to achieve the required 10pF and 10kohm termination. To accomplish this, remove the 0 ohm R1, add R2=10kohm, and change C5 from 12pF to 10pF. Connect J7 SMA "RF Out" to test equipment input with low capacitance active probe.
4. Connect voltage control:
  - For VCTCXO testing, connect J8 "CVin" to appropriate control voltage per the VCTCXO specification.
5. Remove TCXO from socket.
  - To remove the TCXO from the socket, pull up on the 2 tabs of socket located at lower right and upper left in view above.



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