

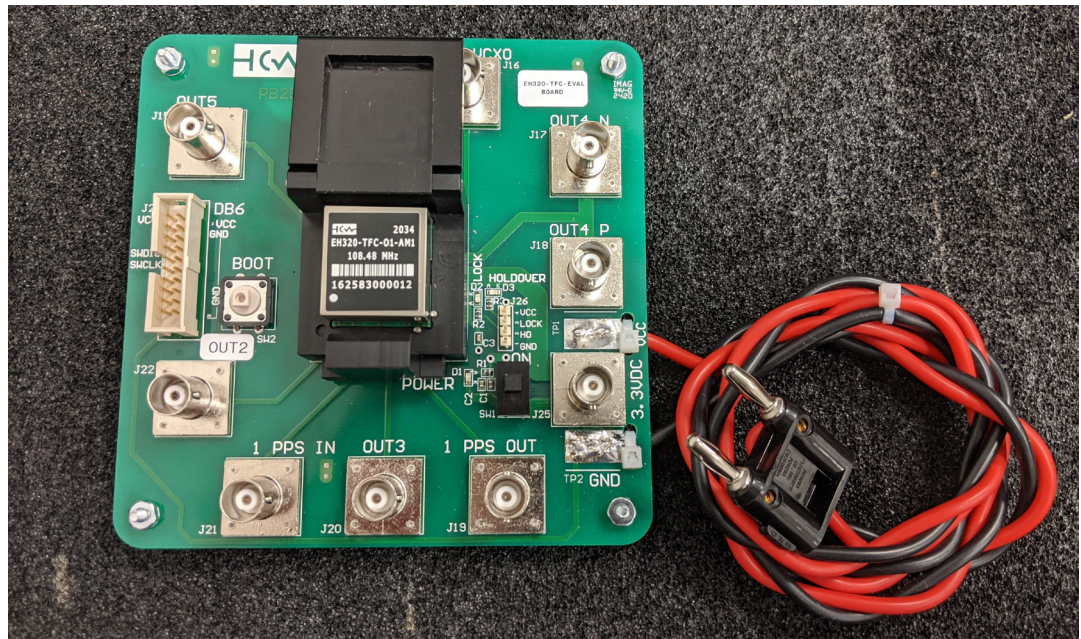
EH320-TFC-EVAL

Eval Board Quick Start Guide



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QUICK START GUIDE



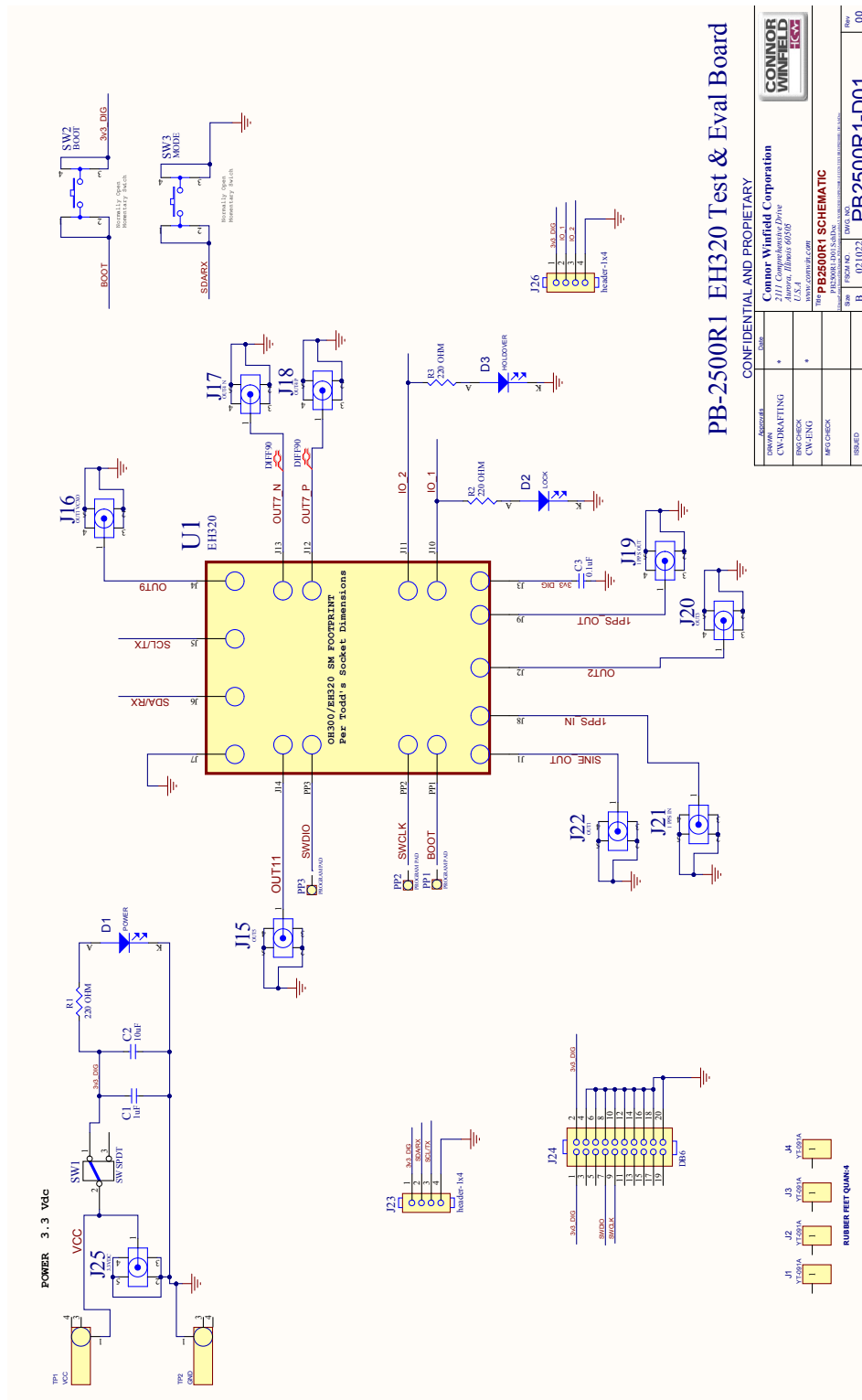
General Instructions

1. Insert the EH320-TFC unit into the eval board socket
 - Pin 1 of the EH320-TFC should be oriented to the lower left of the fixture in the view above.
 - Close the clam-shell cover until it clicks.
2. Connect power
 - Connect the wired Vcc banana plug from connections around J25 to an appropriate 3.3V power supply capable of supplying ~ 2.0A. This wired power connection is more stable than using the J25 BNC connector.
3. Connect the 1PPS input and applicable outputs:
 - For CMOS outputs, use a high impedance probe if possible.
 - For sinewave outputs, use a coaxial cable to a 50ohm DC scope input.
 - For LVDS or LVPECL outputs on OUT4N/P, terminate externally as appropriate.

Designator/Label	Input/Output	Voltage/Logic Type	Function
J15 "OUT5"	Output	LVC MOS	Variable Freq OUT5
J16 "OUT1 VCXO"	Output	LVC MOS	CMOS VCXO output
J17 "OUT4N"	Output	LVC MOS, LVPECL or LVDS	Terminate Externally
J18 "OUT4P"	Output	LVC MOS, LVPECL or LVDS	Terminate Externally
J19 "1PPS OUT"	Output	LVC MOS	1PPS Signal
J20 "OUT 3"	Output	LVC MOS	OUT3 signal
J21 "1PPS IN"	Input	LVC MOS	1PPS Input Signal
J22 "OUT2"	Output	Sinewave or LVC MOS	Output 2 signal
J25 "VCC IN"	Input	+3.3Vdc ±5%	Use wired Vcc power connection



Eval Board Schematic



PB-2500R1 EHZ30 Test & Eval Board

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APPROVAL	DATE
DRAWN	
CHECKED	
DESIGNED	
ASSEMBLED	

Connor Winfield Corporation
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 Aurora, Illinois 60505
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 www.conwin.com
PB2500R1 SCHEMATIC
 PCB NO. 021022 DATE 03/2020
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