

# Application Note: V6.0.1 Board Revision

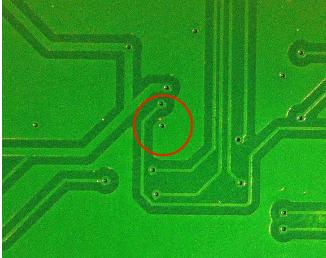
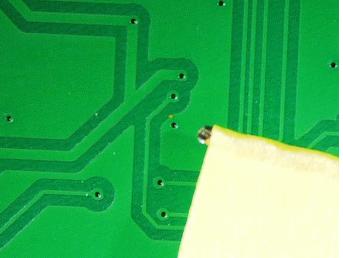
## INTRODUCTION

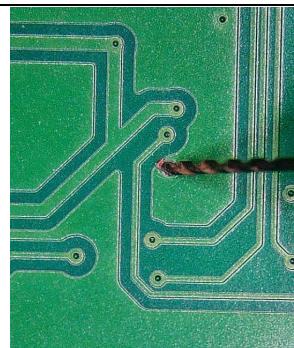
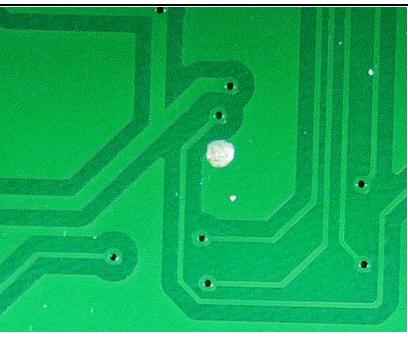
FreeETarget Version 6.0.1 requires a modification for reliable shot detection.

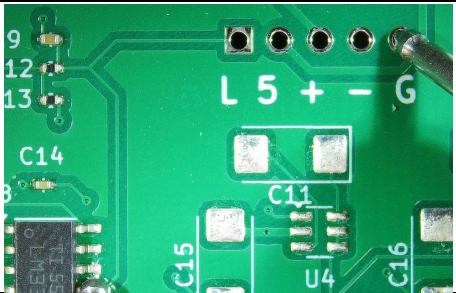
## REQUIRED TOOLS

- Soldering iron and solder
- Small (approx. 1/2mm) drill
- Jumper wire
- Multimeter (resistance and voltage)

## REVISION

Preparation	
	
On the backside of the board Locate the via for modification	Wrap a piece of tape at the end of the drill, exposing only a small portion of the drill tip.  This is done to prevent the drill from going too deep.

Remove the Ground Connection	
	
Drill the via. (Tape removed for example only)  DO NOT DRILL MORE THAN 1/2 OF THE BOARD THICKNESS	Successfully broken via  Note hole does not go all the way through



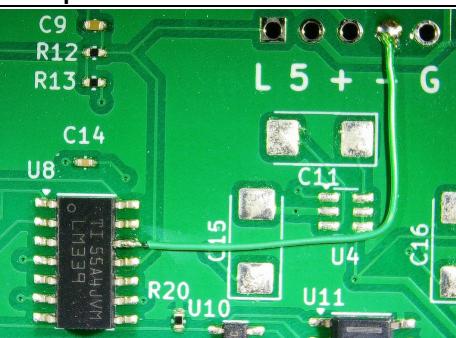
Measure the resistance between U8-12 and the Test Point (G).

Ensure that there is no connection (high resistance) between the points.

DO NOT CONTINUE TO THE NEXT STEP IF U8-12 IS CONNECTED TO GROUND

Repeat steps above taking care not to drill too deep

#### Insert the Jumper



Place a jumper between U8-12 and the Test Point (-)

#### Testing

Apply power to the board

Measure the voltage between U8-12 and Test Point (G)

Verify that the voltage is nominally -5 Volts

Ensure that there are no shorts between any of the pins on U8 or the test points.