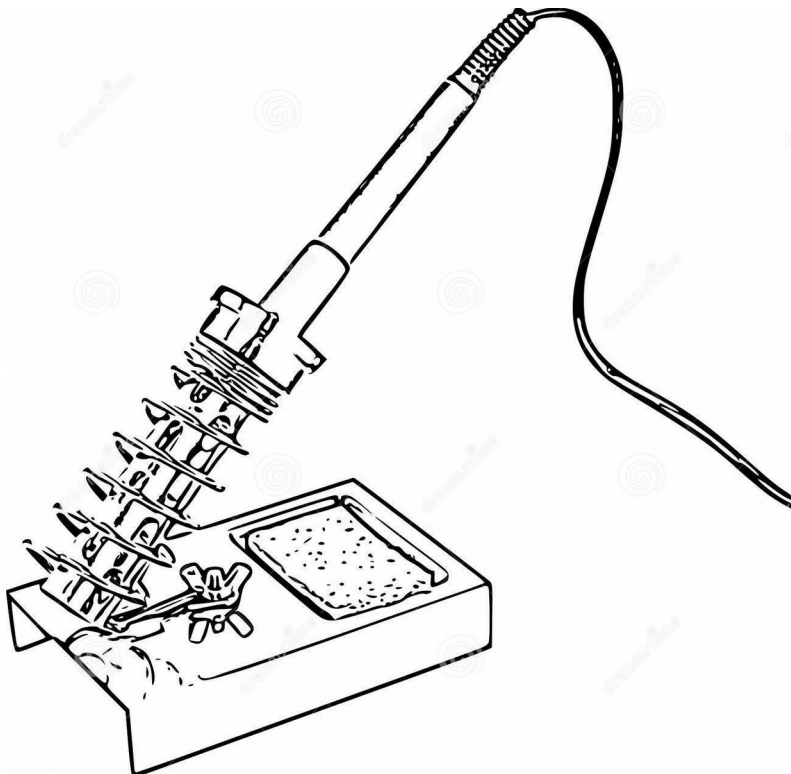# Kit Building Committee Report

Rich "FluxMan" Mitchell, N3III
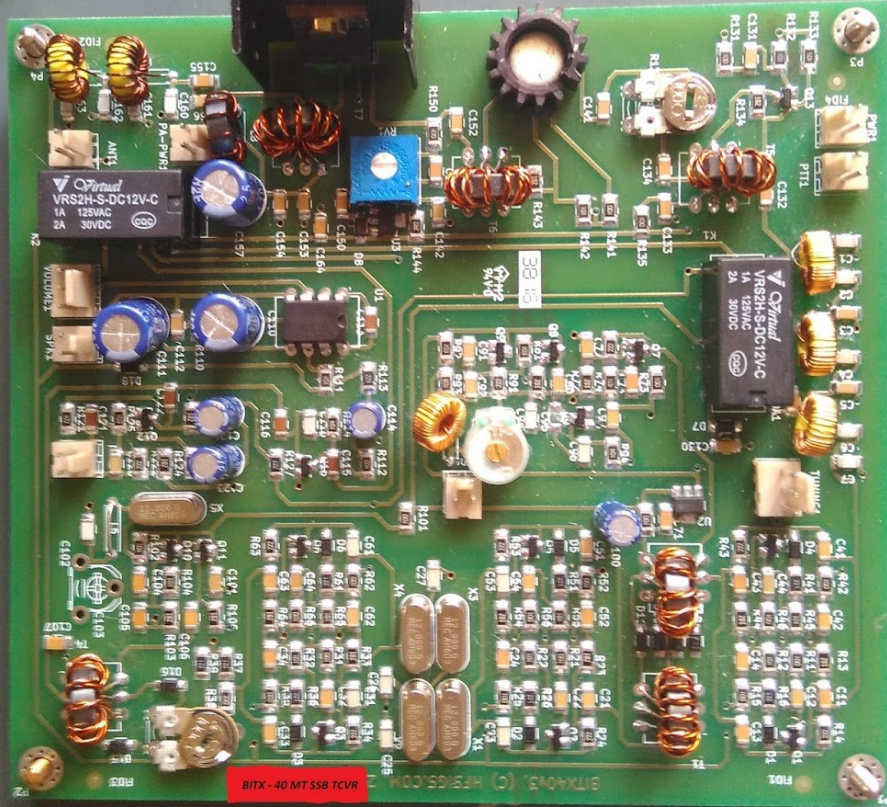
Steve "FlipBits" Beckman, N3SB

August 13, 2018

Purpose of Committee

Let's build some stuff!

- Improve Soldering Skills
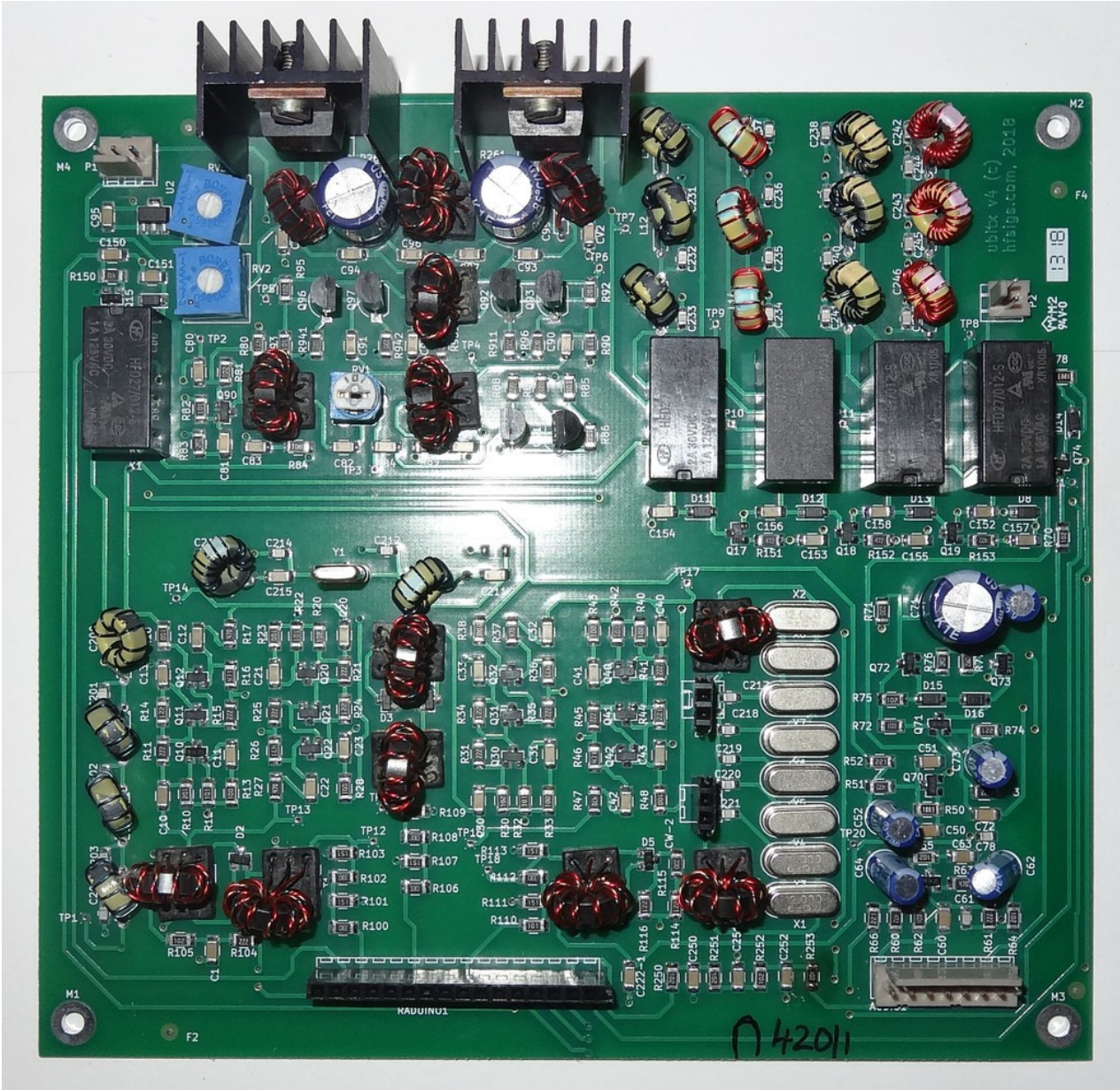- Learn About Electronics
- Improve Troubleshooting Skills

First Project

- Let's build a transceiver!

- Desired qualities in first kit
  - Easy to build
  - Inexpensive
  - Sideband

- Committee recommending
  1) BITX40 – less expensive
  2) UBITX – more band coverage

BITX40

uBITX

Surprise – Everyone Wants a uBITX!

Call Sign	BitX40	uBITX	Either	Case	Color
N8PK		2		2	
KE3FL		1			
AA3DA		1			
WB8YYY		1			
W3DVG		1			
W8IS		1			
K3TNV		1		1	
KB3SRU			1		
N3JET			1		
K3ZE		1			
WV3S		1		1	
KI4USA		1		1	Grey
KV3LPJ		1		1	
N3III		1		1	
N4EOC		1			
KC3FDL		1		1	Grey

UBITX Case

The Deal

- uBITX Board - $119 including DHL Shipping
  - Normally $139

- uBITX Case - $62 including DHL Shipping
  - Normally $72

- Deposit of $50 for each is required

Stuff You'll Need to Build It

Soldering Iron

$99

Solder

$23

Screwdrivers

$16

Wire Cutters

$7

Needle Nose Pliers

$8

Circuit Board Holder

$13

Magnifying Glasses

$10

Digital Voltmeter

$30

Stuff You'll Need to Use It

Power Supply

$18

Headphones - Optional

$20

External Speaker - Optional
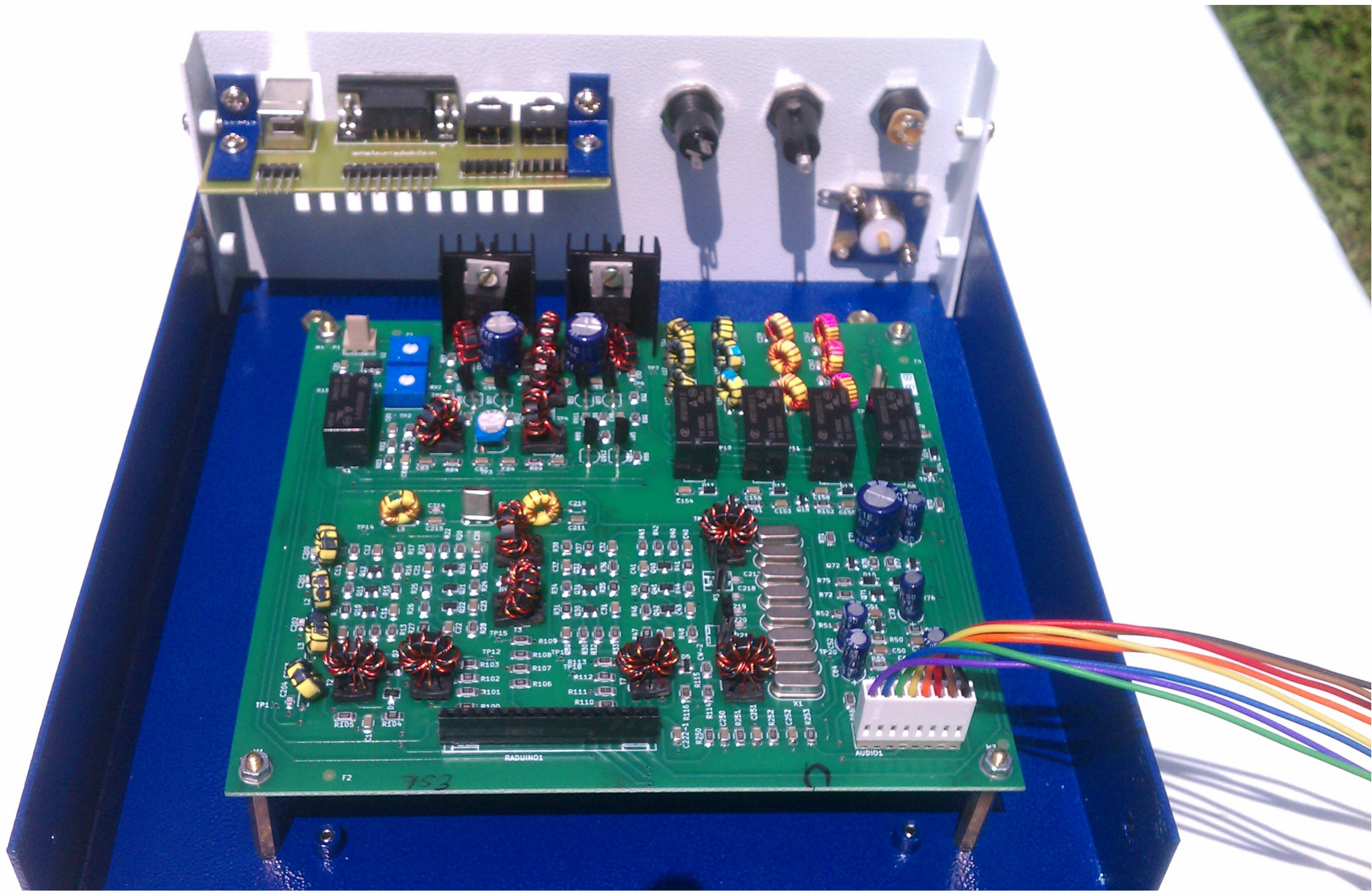

$26

Building Photos & Notes

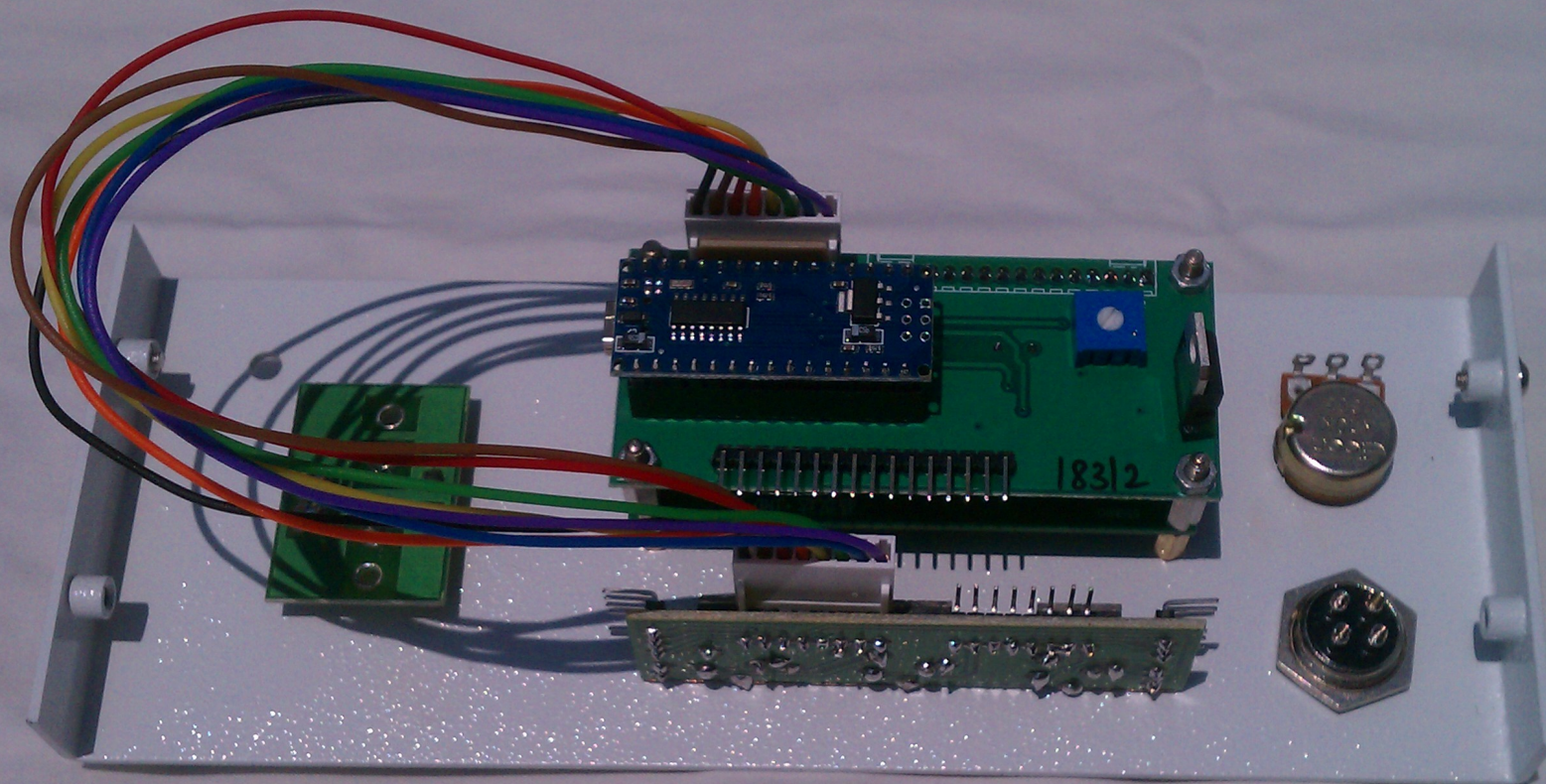# Front Panel

Chassis

Front Panel

Front Panel Board Wiring Diagram

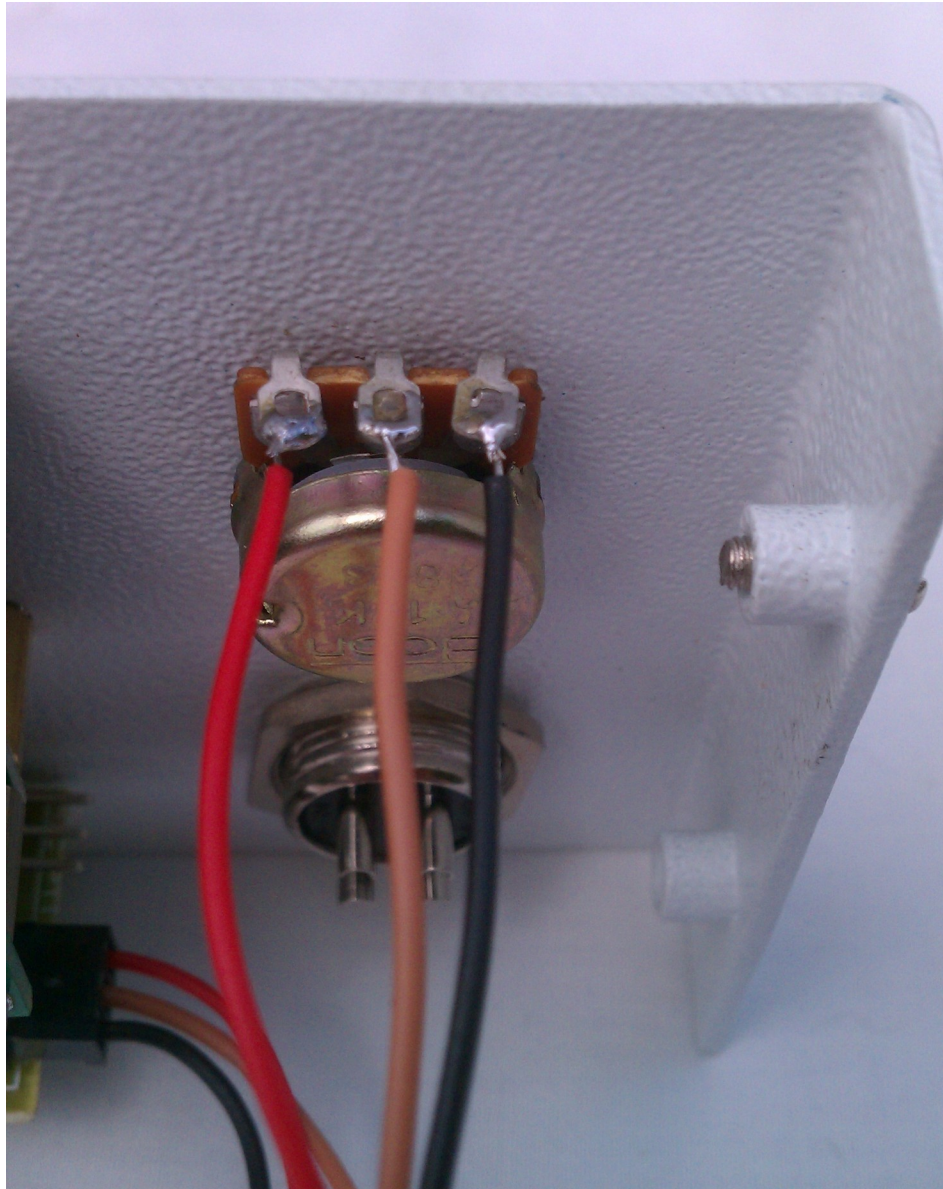

Note: Add jumper wire between pins 2 and 5 of Phones Jack

Shaft Encoder Wiring Detail
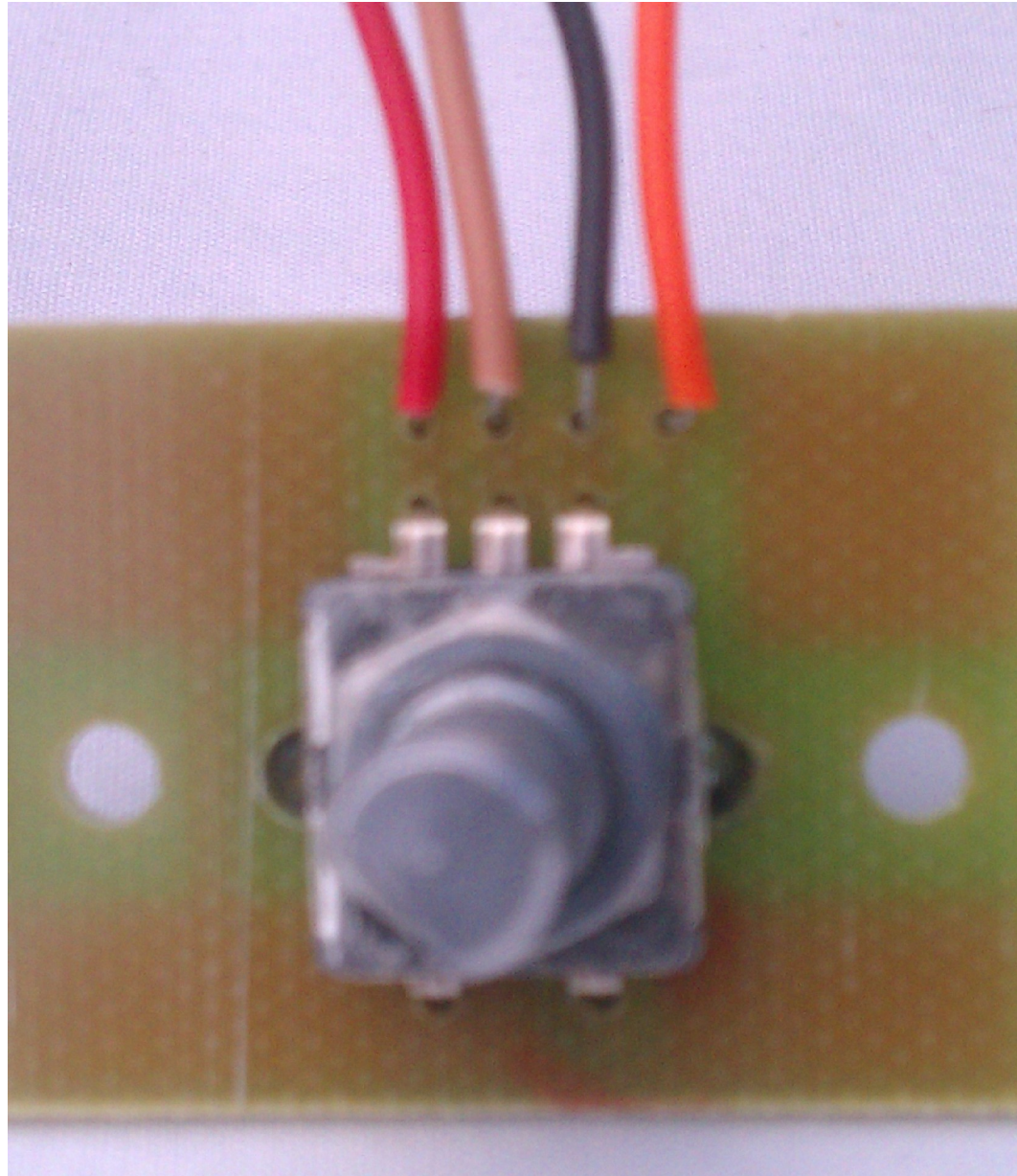
Volume Control Wiring Detail

Microphone Connector Wiring Detail
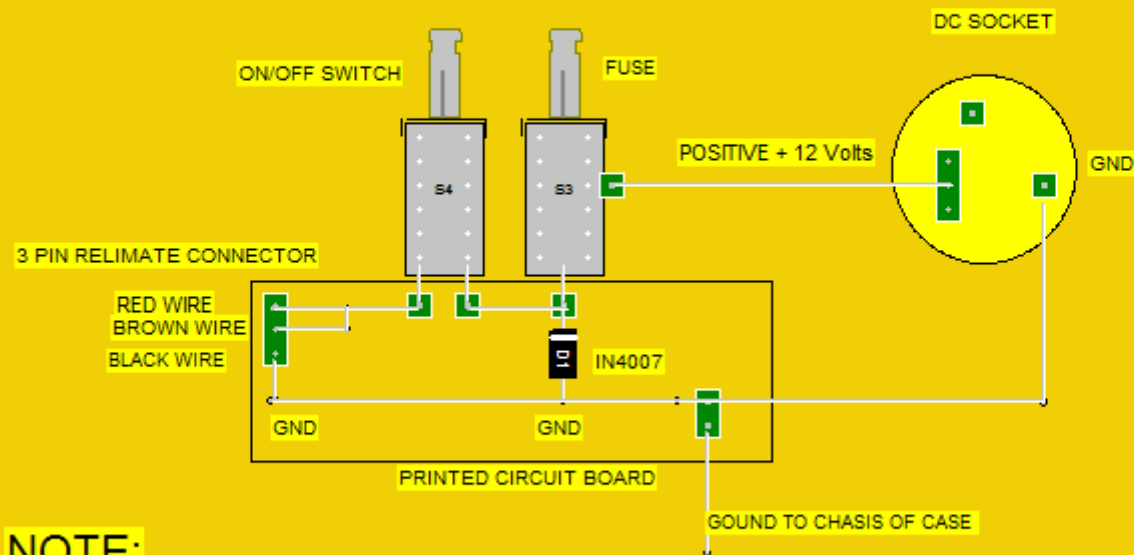
Rear Panel Wiring

Committee Plans

The Plans

- Order, Receive, and Distribute Kits and Cases
    - ECD September Club Meeting

- Hold several build sessions at the Training Ctr
    - September - October

- Encourage Experimentation and Modifications
    - Software mods, CW Filter, Digital Modes, AGC
    - Power Meter, SWR Meter, SDR Interface, etc.

- Presentations on your build and mods are encouraged!

Questions?