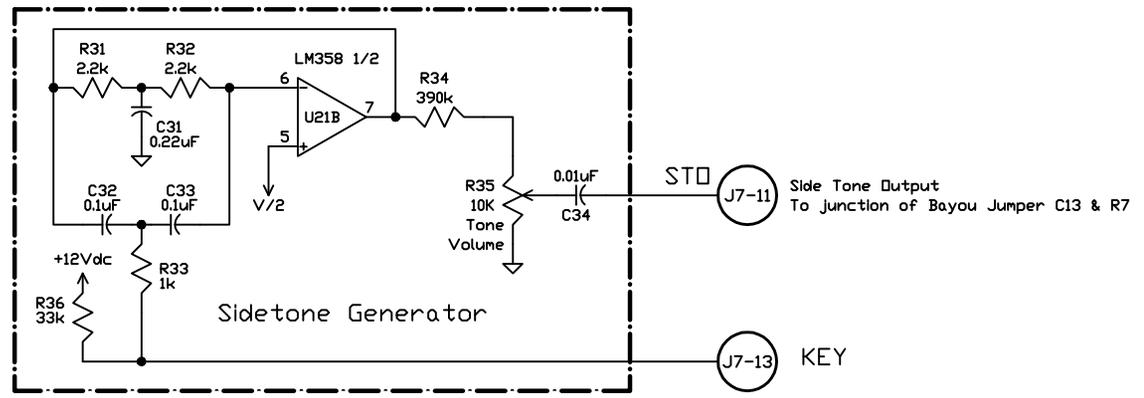
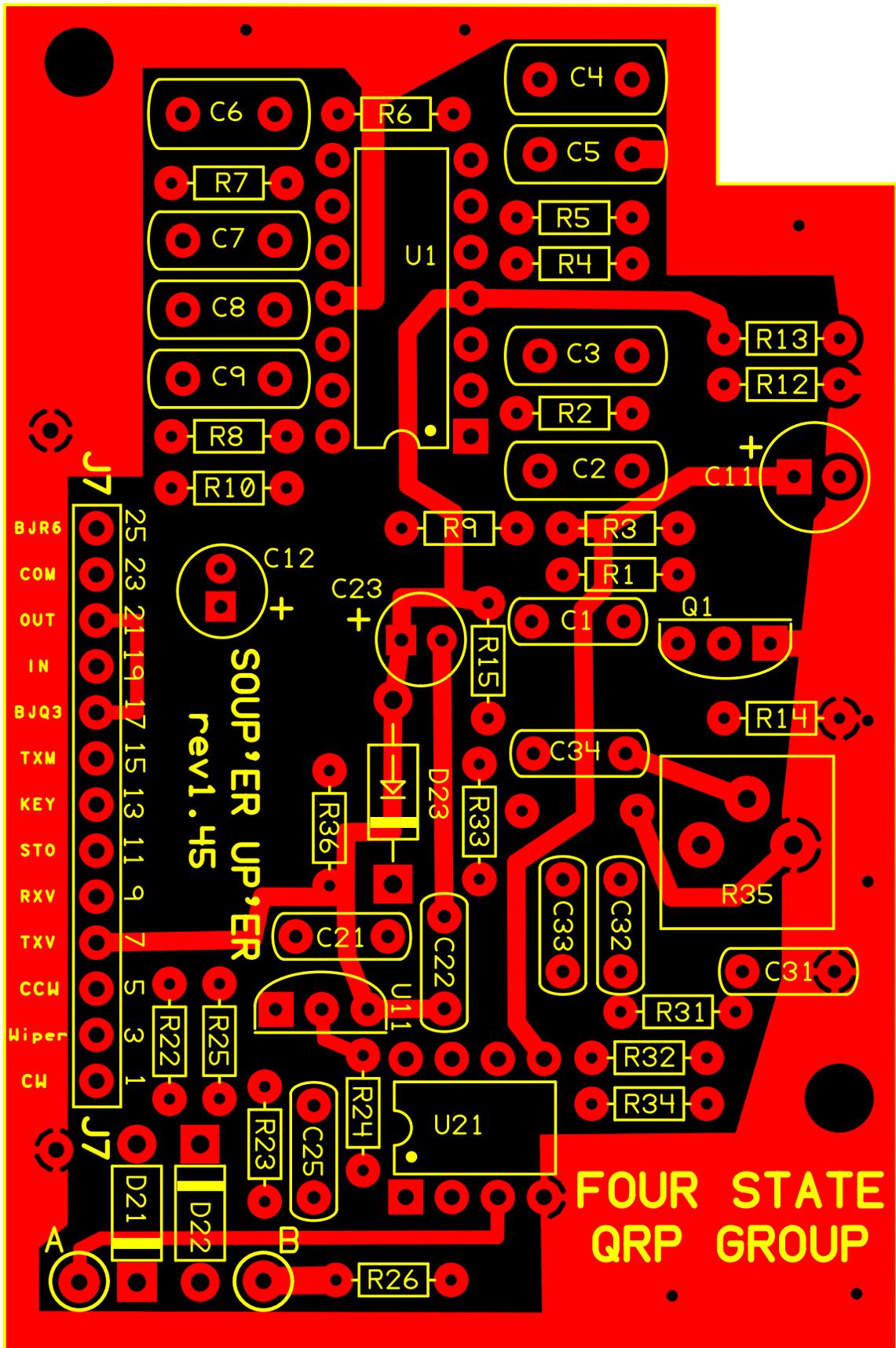
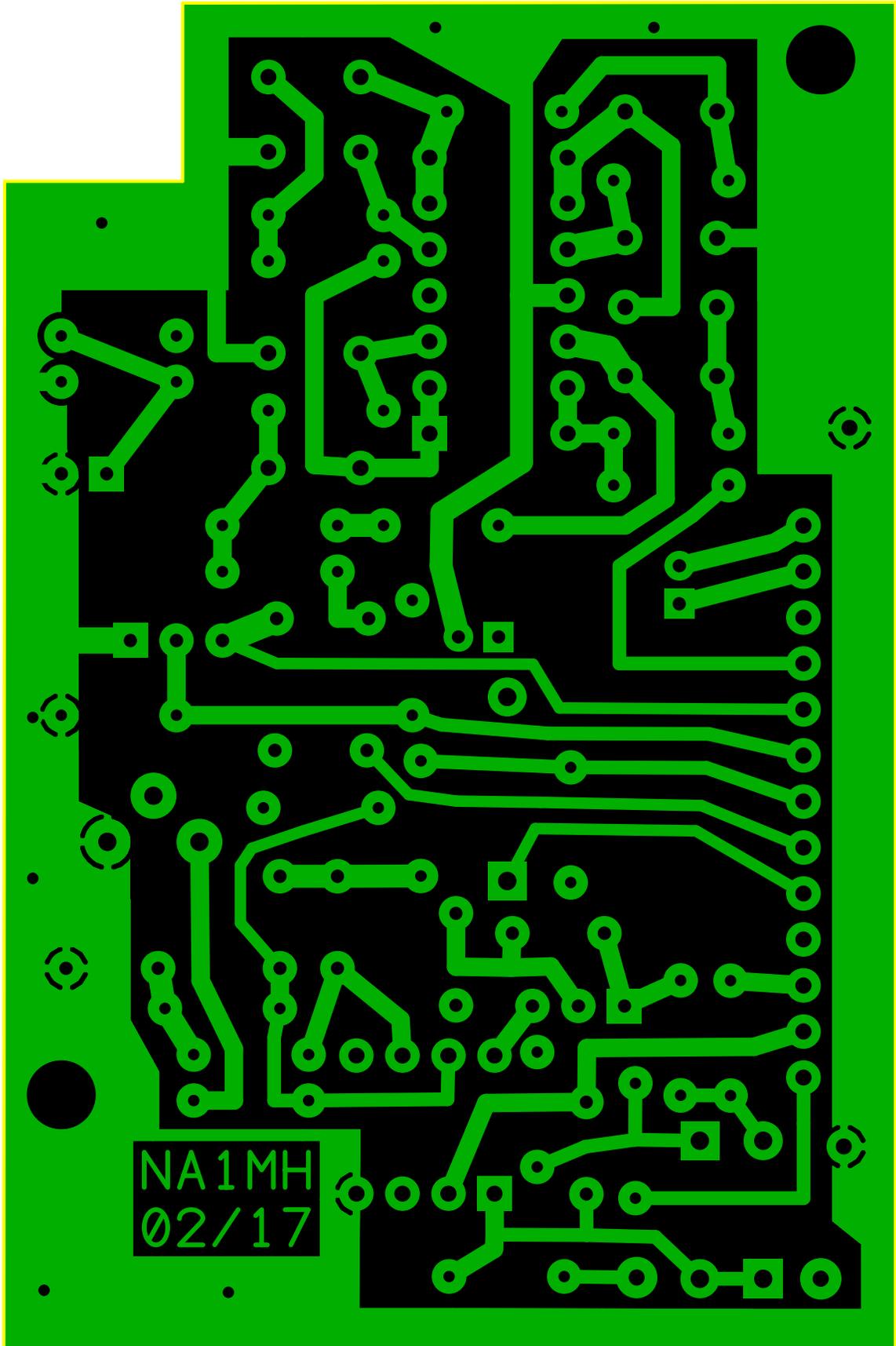


Soup'er Up'er - ver 1.45
 for the Four State QRP Group
 Bayou Jumper
 David Martin - NA1MH
 April 2021

"Hi-Per-Mite" CW Filter Circuit
 by David Cripe - NM0S







NA1MH
02/17

Soup'er Up'er Bill-of-Materials

April 29, 2021 – PCB Ver. 1.45

R1, R9	1 Meg Ohm 1/8W 5% (Qty 2)
R2, R3, R36	33 K Ohm 1/8W 5% (Qty 3)
R4, R5	47 K Ohm 1/8W 5% (Qty 2)
R6, R7	36 K Ohm 1/8W 5% (Qty 2)
R8, R14, R15	10 K Ohm 1/8W 5% (Qty 3)
R10, R33	1 K Ohm 1/8W 5% (Qty 2)
R12, R13, R24, R25, R31, R32	2.2 K Ohm 1/8W 5% (Qty 6)
R22, R23	20 K Ohm 1/8W 5% (Qty 2)
R26	470 K Ohm 1/8W 5% (Qty 1)
R34	390 K Ohm 1/8W 5% (Qty 1)
R21	1 K Ohm Potentiometer w/Center Detent (Qty 1) Bourns p/n PTV09A-4225F-B102
R35	10 K Ohm Trimmer Potentiometer (Qty 1) Bourns p/n 3386P-1-103LF
C1, C21, C22, C25, C32, C33	0.1 uF 50V 10% Kemet C322C104K5R5TA7301 (Qty 6)
C2	0.047 uF 63V 5% EPCOS (TDK) B32529C473J (Qty 1)
C3, C5, C7	0.001 uF 63V 5% EPCOS (TDK) B32529C102J (Qty 3)
C4	0.036 uF 63V 5% Vishay BFC241643603 (Qty 1)
C6	0.039 uF 63V 2% Vishay BFC241643903 (Qty 1)
C8, C9	0.0022 uF 63V 5% EPCOS (TDK) B32529C222J (Qty 2)
C11	220 uF 25V Nichicon UVY1E221MED1TD (Qty 1)
C12, C23	4.7 uF 25V Nichicon UKL1E4R7MDD1TD (Qty 2)
C31	0.22 uF 50V 10% Kemet C322C224K5R5TA (Qty 1)
C34	0.01 uF 50V 10% Kemet C317C103K5R5TA (Qty 1)
D21, D22	1N4148 (Qty 2)
D23	1N4001 (Qty 1)
Q1	2N7000 (Qty 1)
U1	LM324 (Qty 1)
U11	78L08 (Qty 1)
U21	LM358 (Qty 1)
SW2	Toggle Switch, SPDT Digikey p/n EG2350-ND
2 each	Hex M-F Standoff 6-32 X 1/2" Keystone Electronics 8414
1 each	Knob, Skirted, Black with White Index Line, same as used on Bayou Jumper
24 inches	26 ga. Insulated, stranded wire, Red
24 inches	26 ga. Insulated, stranded wire, White
24 inches	26 ga. Insulated, stranded wire, Blue
24 inches	26 ga. Insulated, stranded wire, Yellow
1 each	Soup'er Up'er Printed Circuit Board