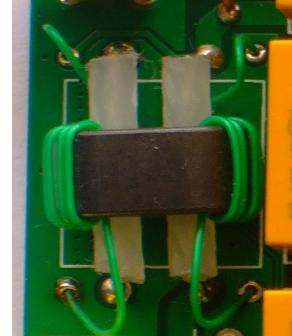


1 2 3 4 5

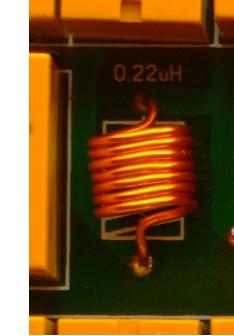
RF OUTPUT  
J1

RF INPUT  
J2

T1, T2



L1



L2

L3, L4, L5



U1 - PIC16F1938-I/SP  
U2 - 78L05  
S1-S11 - HK4100F-DC12V  
D1, D2 - BAT41, 1N5711  
Q1-Q11 - 2N7000  
D3 - RL201-TP  
ALL RESISTORS - SMD 0805  
CAPACITORS 0.1uF, 10nF - SMD 0805 50V  
CAPACITORS 47uF - POLAR 5mm DIA  
C1-C5 - MICA 500V LOW LOSS  
L1, L2 - 6mm AIR CORE 0.8mm WIRE, 4t, 7t  
L3, L4 - T68-2 AMIDON CORE 0.8mm WIRE, 8t, 13t  
L5 - 2xT68-2 AMIDON CORE 0.8mm WIRE, 13t  
R1, R2 - SMD 2512 1W  
T1, T2 - TANDEM MATCH, BN43-1502 AMIDON CORE 1:10

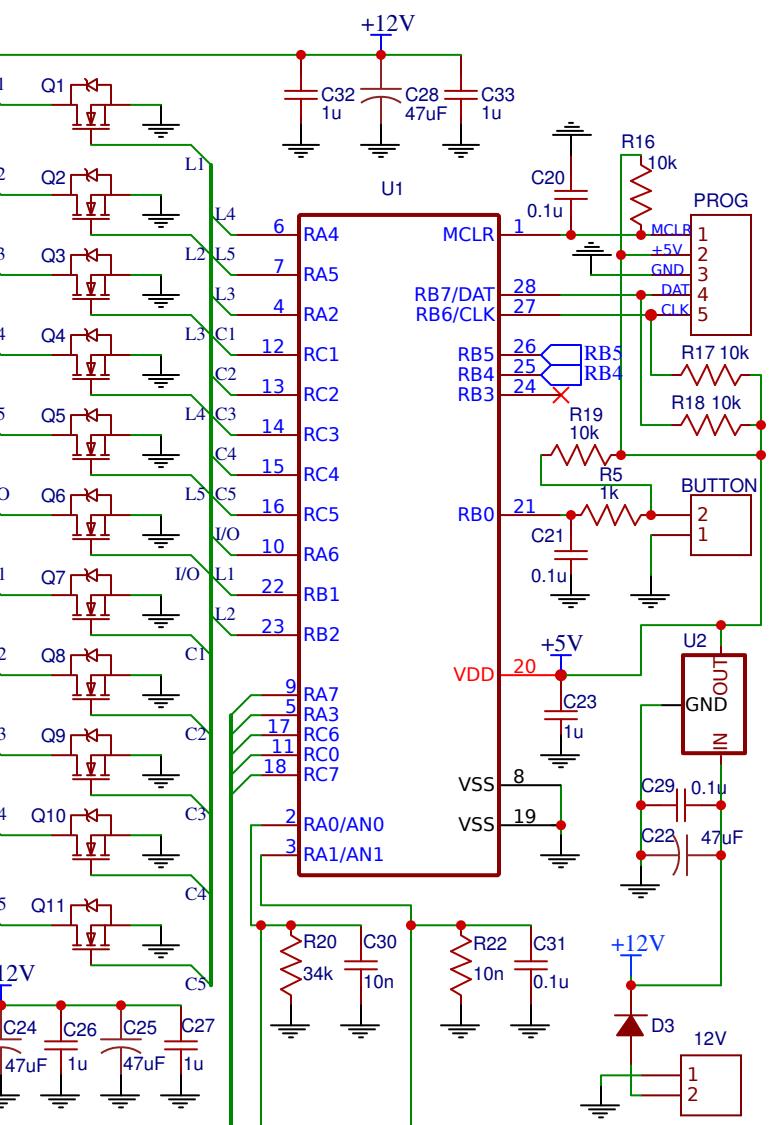
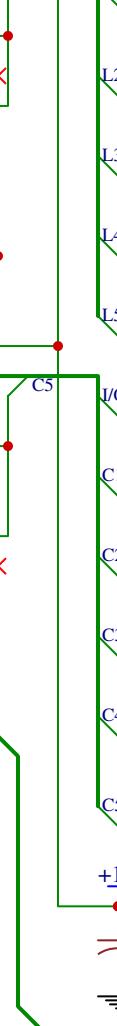
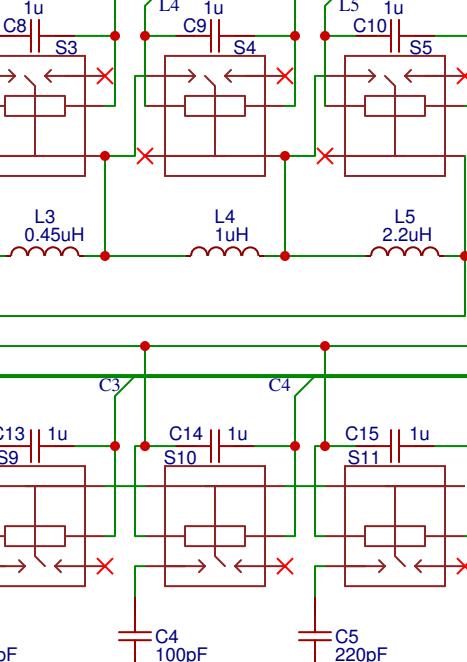
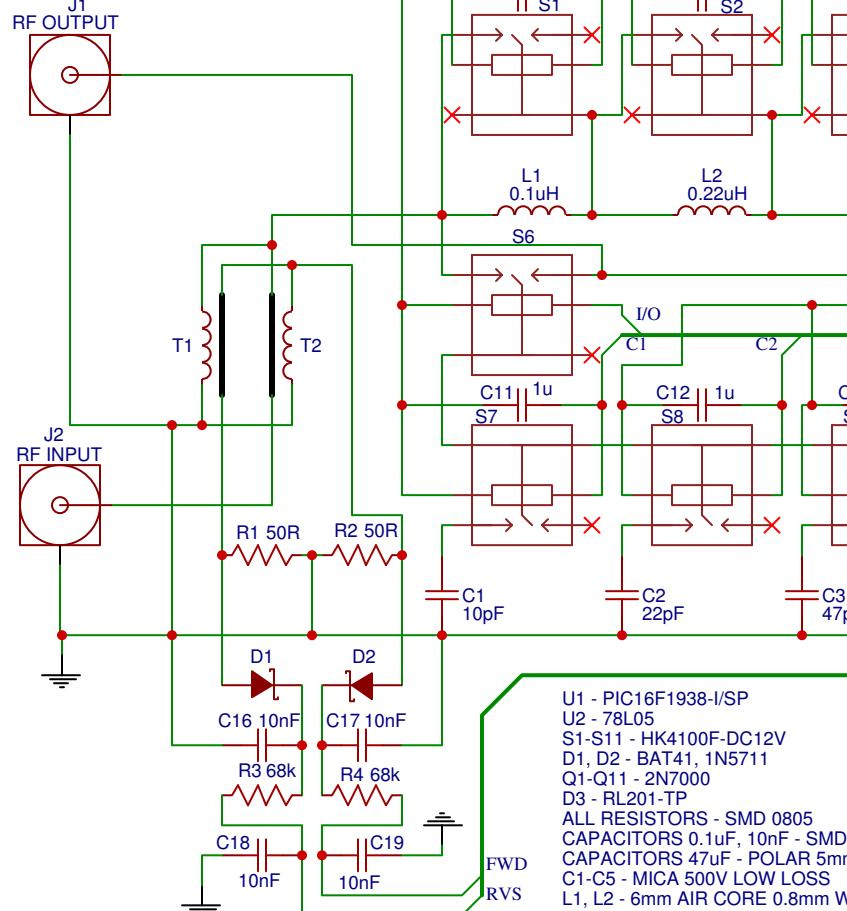
1

2

3

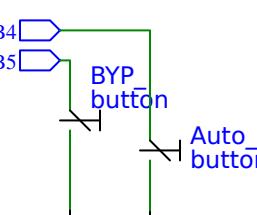
4

5



TITLE:  
ATU-100 (mini board) by N7DDC REV: 2.0  
Date: 2018-10-20 Sheet: 1/1  
EasyEDA V3.12.1 Drawn By: D. Fainitski

RA7 - Tx\_req  
RA3 - /Tx\_req  
RC0 - SWR < 1.5  
RC6 - SWR < 2.5  
RC7 - SWR > 2.5



A

B

C

D