



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

T1, T2

L1

L2

L3, L4, L5



RA7 - Tx_req
 RA3 - /Tx_req
 RC0 - SWR < 1.5
 RC6 - SWR < 2.5
 RC7 - SWR > 2.5

RB4
 RB5
 BYP button
 Auto button

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	