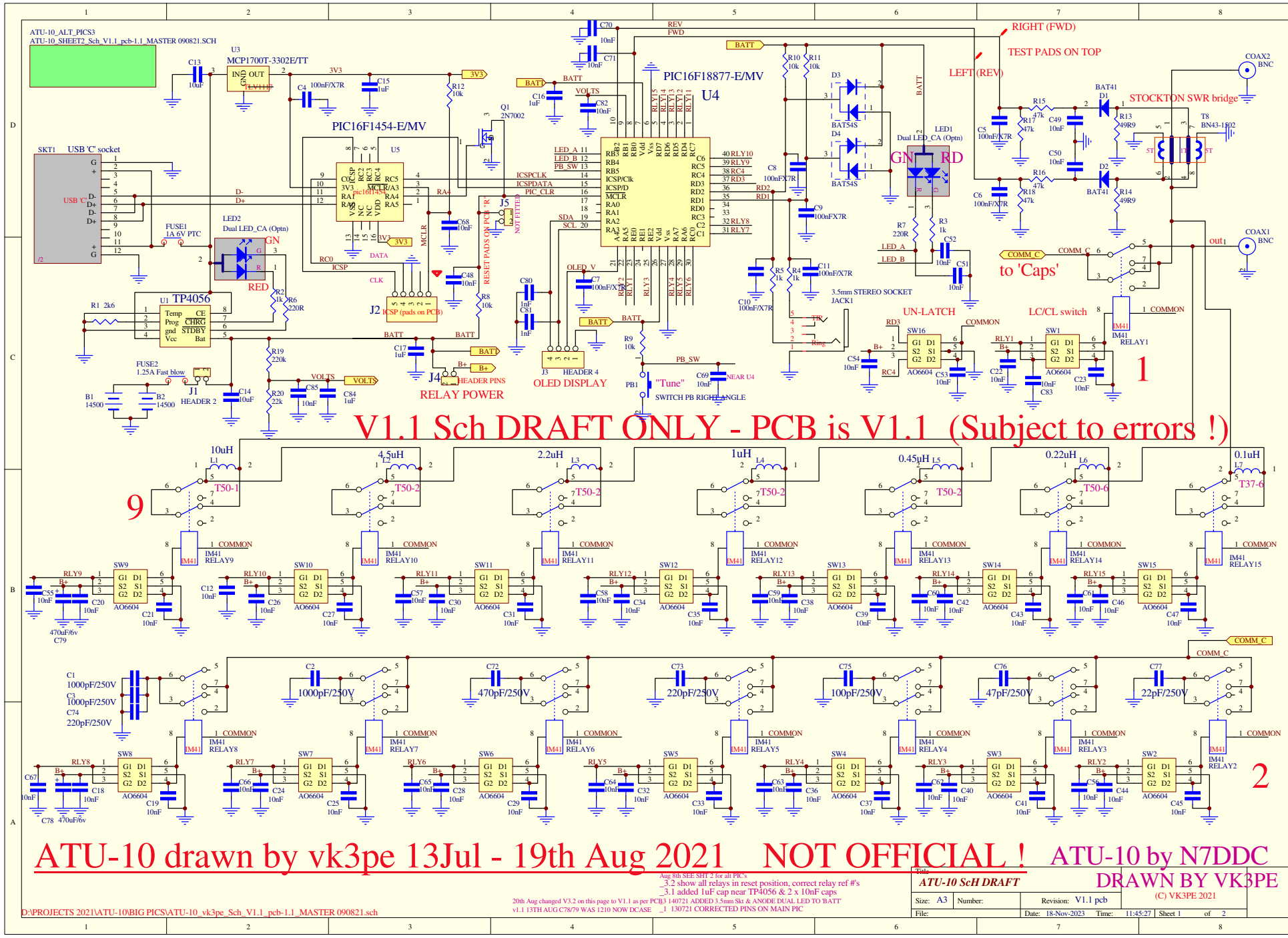
ATU-10_ALT_PICS3
ATU-10_SHEET2_Sch_V1.1_pcb-1.1_MASTER 090821.SCH
U3
MCP1700T-3302E/TT
PIC16F1454-E/MV
U5
PIC16F18877-E/MV
U4
SKT1 USB 'C' socket
FUSE1 1A 6V PTC
LED2 Dual LED_CA (Optn)
RED
GN
U1 TP4056
FUSE2 1.25A Fast blow
J1 HEADER 2
B1 14500
B2 14500
J2 ICSP (pads on PCB)
J4 HEADER PINS
RELAY POWER
J5
NOT FITTED
RESET PADS ON PCB 'R'
J3 HEADER 4
OLED DISPLAY
PB1 "Tune"
SWITCH PB RIGHT ANGLE
NEAR U4
Q1 2N7002
LED1 Dual LED_CA (Optn)
3.5mm STEREO SOCKET JACK1
UN-LATCH
LC/CL switch
RIGHT (FWD)
TEST PADS ON TOP
LEFT (REV)
STOCKTON SWR bridge
COAX2 BNC
COAX1 BNC
to 'Caps'
V1.1 Sch DRAFT ONLY - PCB is V1.1 (Subject to errors !)
10uH
4.5uH
2.2uH
1uH
0.45uH
0.22uH
0.1uH
T50-1
T50-2
T50-6
T37-6
9
2
1
IM41 RELAY1
IM41 RELAY2
IM41 RELAY3
IM41 RELAY4
IM41 RELAY5
IM41 RELAY6
IM41 RELAY7
IM41 RELAY8
IM41 RELAY9
IM41 RELAY10
IM41 RELAY11
IM41 RELAY12
IM41 RELAY14
IM41 RELAY15
AO6604
1000pF/250V
470pF/250V
220pF/250V
100pF/250V
47pF/250V
22pF/250V
ATU-10 drawn by vk3pe 13Jul - 19th Aug 2021 NOT OFFICIAL !
ATU-10 by N7DDC
DRAWN BY VK3PE
(C) VK3PE 2021
ATU-10 ScH DRAFT
Size: A3
Revision: V1.1 pcb
Date: 18-Nov-2023
Time: 11:45:27
Sheet 1 of 2
D:\PROJECTS 2021\ATU-10\BIG PICS\ATU-10_vk3pe_Sch_V1.1_pcb-1.1_MASTER 090821.sch
Aug 8th SEE SHT 2 for alt PIC's
_3.2 show all relays in reset position, correct relay ref #'s
_3.1 added 1uF cap near TP4056 & 2 x 10nF caps
20th Aug changed V3.2 on this page to V1.1 as per PCB3 140721 ADDED 3.5mm Skt & ANODE DUAL LED TO 'BATT'
v1.1 13TH AUG C78/79 WAS 1210 NOW DCASE _1 130721 CORRECTED PINS ON MAIN PIC