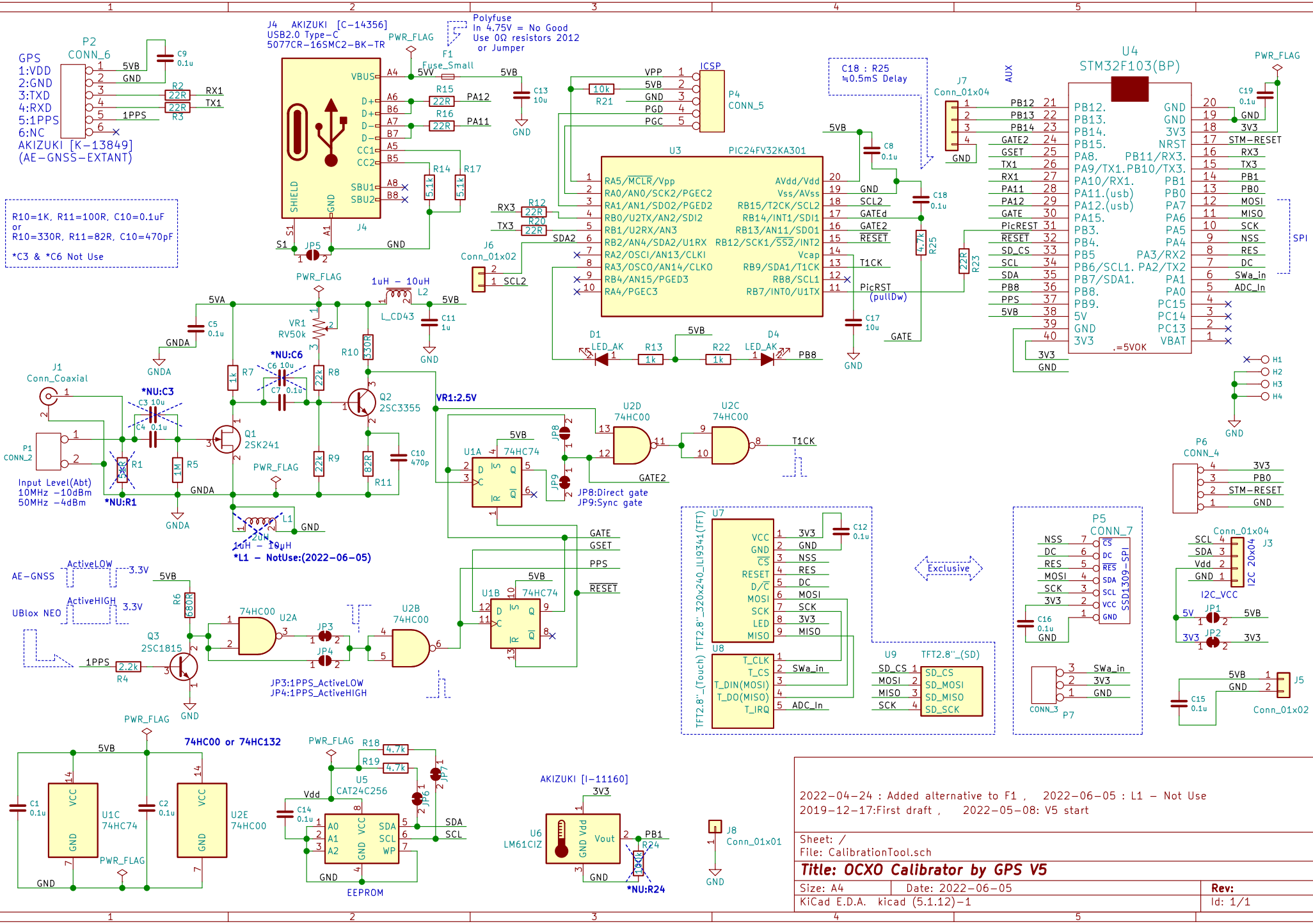
P2
CONN_6
GPS
1:VDD
2:GND
3:TXD
4:RXD
5:1PPS
6:NC
AKIZUKI [K-13849]
(AE-GNSS-EXTANT)
J4 AKIZUKI [C-14356]
USB2.0 Type-C
5077CR-16SMC2-BK-TR
Polyfuse
In 4.75V = No Good
Use 0Ω resistors 2012
or Jumper
F1
Fuse_Small
PWR_FLAG
P4
CONN_5
ICSP
U3
PIC24FV32KA301
U4
STM32F103(BP)
J7
Conn_01x04
AUX
SPI
C18 : R25
≒0.5mS Delay
R10=1K, R11=100R, C10=0.1uF
or
R10=330R, R11=82R, C10=470pF
*C3 & *C6 Not Use
J1
Conn_Coaxial
Input Level(Abt)
10MHz -10dBm
50MHz -4dBm
*NU:C3
*NU:C6
*NU:R1
Q1
2SK241
Q2
2SC3355
VR1:2.5V
L1
*L1 - NotUse:(2022-06-05)
U1A
74HC74
U2D
74HC00
U2C
74HC00
JP8:Direct gate
JP9:Sync gate
P6
CONN_4
H1
H2
H3
H4
AE-GNSS
UBlox NEO
ActiveLOW
ActiveHIGH
3.3V
Q3
2SC1815
U2A
U2B
U1B
JP3:1PPS_ActiveLOW
JP4:1PPS_ActiveHIGH
U7
TFT2.8"_(Touch) TFT2.8"_320x240_ILI9341(TFT)
U8
U9
TFT2.8"_(SD)
Exclusive
P5
CONN_7
SSD1309-SPI
P7
CONN_3
J3
I2C 20x04
I2C_VCC
J5
Conn_01x02
74HC00 or 74HC132
U1C
74HC74
U2E
74HC00
U5
CAT24C256
EEPROM
AKIZUKI [I-11160]
U6
LM61CIZ
*NU:R24
J8
Conn_01x01
2022-04-24 : Added alternative to F1 , 2022-06-05 : L1 - Not Use
2019-12-17:First draft , 2022-05-08: V5 start
Sheet: /
File: CalibrationTool.sch
Title: OCXO Calibrator by GPS V5
Size: A4
Date: 2022-06-05
Rev:
KiCad E.D.A. kicad (5.1.12)-1
Id: 1/1