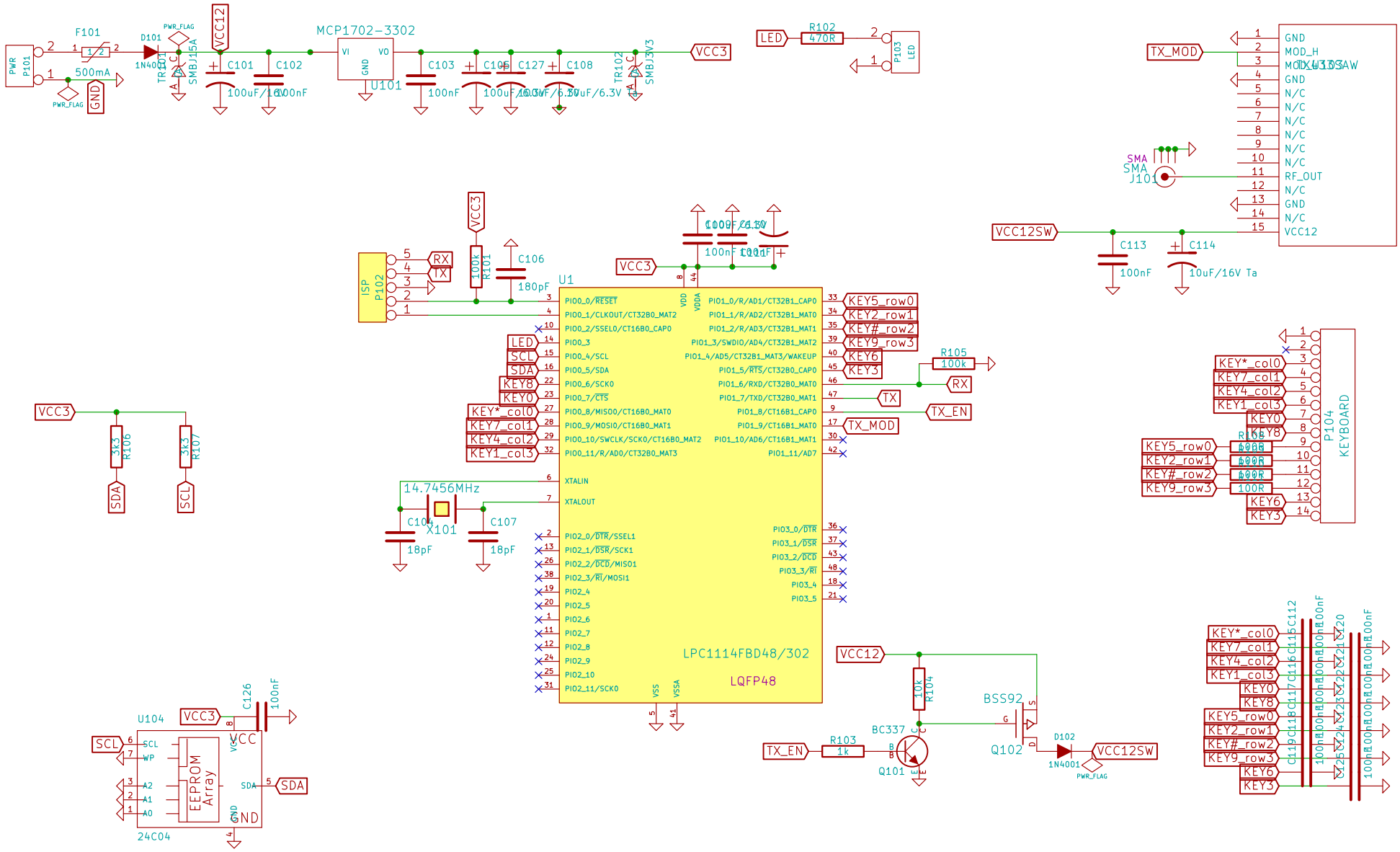
F101
500mA
PWR_FLAG
GND
D101
1N4001
SMBJ15A
VCC12
C101
100uF/16V
C102
100nF
MCP1702-3302
U101
VI
VO
GND
C103
100nF
C105
C127
C108
100uF/16V
100nF/6.3V
100uF/6.3V Ta
TR102
SMBJ3V3
VCC3
LED
R102
470R
P103
TX_MOD
MOD_H
TX433SAW
GND
N/C
RF_OUT
VCC12
SMA
J101
VCC12SW
C113
100nF
C114
10uF/16V Ta
ISP
P102
RX
TX
R101
100k
C106
180pF
U1
LPC1114FBD48/302
LQFP48
VDD
VDDA
VSS
VSSA
PIO0_0/RESET
PIO0_1/CLKOUT/CT32B0_MAT2
PIO0_2/SSEL0/CT16B0_CAP0
PIO0_3
PIO0_4/SCL
PIO0_5/SDA
PIO0_6/SCK0
PIO0_7/CTS
PIO0_8/MISO0/CT16B0_MAT0
PIO0_9/MOSI0/CT16B0_MAT1
PIO0_10/SWCLK/SCK0/CT16B0_MAT2
PIO0_11/R/AD0/CT32B0_MAT3
PIO1_0/R/AD1/CT32B1_CAP0
PIO1_1/R/AD2/CT32B1_MAT0
PIO1_2/R/AD3/CT32B1_MAT1
PIO1_3/SWDIO/AD4/CT32B1_MAT2
PIO1_4/AD5/CT32B1_MAT3/WAKEUP
PIO1_5/RTS/CT32B0_CAP0
PIO1_6/RXD/CT32B0_MAT0
PIO1_7/TXD/CT32B0_MAT1
PIO1_8/CT16B1_CAP0
PIO1_9/CT16B1_MAT0
PIO1_10/AD6/CT16B1_MAT1
PIO1_11/AD7
PIO2_0/DTR/SSEL1
PIO2_1/DSR/SCK1
PIO2_2/DCD/MISO1
PIO2_3/RI/MOSI1
PIO2_4
PIO2_5
PIO2_6
PIO2_7
PIO2_8
PIO2_9
PIO2_10
PIO2_11/SCK0
PIO3_0/DTR
PIO3_1/DSR
PIO3_2/DCD
PIO3_3/RI
PIO3_4
PIO3_5
XTALIN
XTALOUT
14.7456MHz
X101
C104
18pF
C107
18pF
KEY5_row0
KEY2_row1
KEY#_row2
KEY9_row3
KEY6
KEY3
KEY*_col0
KEY7_col1
KEY4_col2
KEY1_col3
KEY8
LED
SCL
SDA
TX_EN
R105
100k
P104
KEYBOARD
R106
3k3
R107
3k3
U104
24C04
EEPROM
Array
WP
A2
A1
A0
C126
100nF
R103
1k
R104
10k
BC337
Q101
BSS92
Q102
D102
1N4001
PWR_FLAG
C109
C110
C111
C112
C115
C116
C117
C118
C119
C120
C121
C122
C123
C124
C125
100nF
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Date: 21 oct 2018
Rev:
KiCad E.D.A.
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