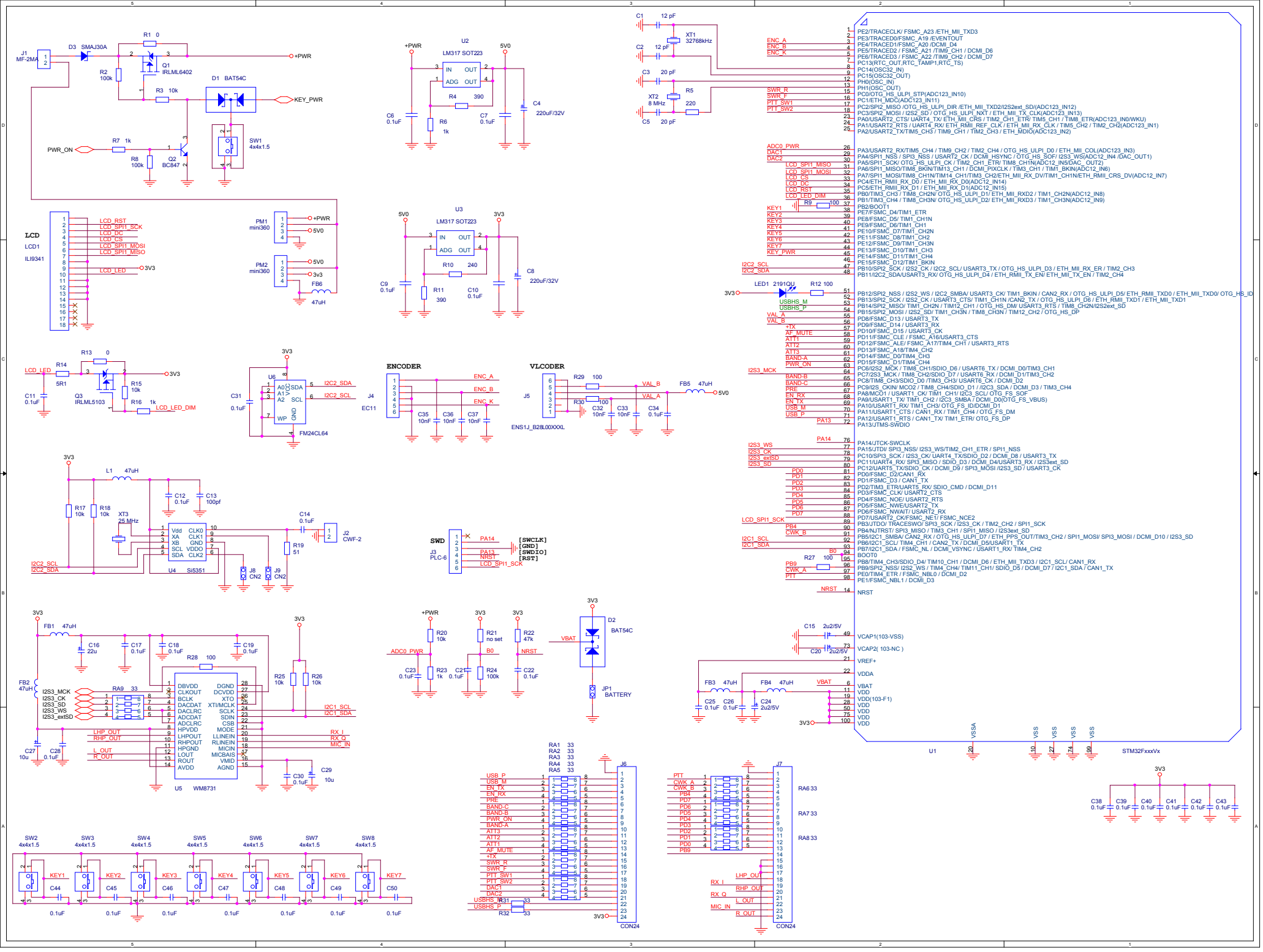
J1 MF-2MA
D3 SMAJ30A
R1 0
Q1 IRLML6402
R2 100k
R3 10k
D1 BAT54C
+PWR
KEY_PWR
PWR_ON
R7 1k
R8 100k
Q2 BC847
SW1 4x4x1.5
U2 LM317 SOT223
IN OUT
ADG OUT
R4 390
R6 1k
C6 0.1uF
C7 0.1uF
C4 220uF/32V
5V0
U3 LM317 SOT223
R10 240
R11 390
C9 0.1uF
C10 0.1uF
C8 220uF/32V
3V3
LCD
LCD1
ILI9341
LCD_RST
LCD_SPI1_SCK
LCD_DC
LCD_CS
LCD_SPI1_MOSI
LCD_SPI1_MISO
LCD_LED
PM1 mini360
PM2 mini360
FB6 47uH
R13 0
R14 5R1
R15 10k
R16 1k
Q3 IRLML5103
C11 0.1uF
LCD_LED_DIM
U6 FM24CL64
A0 A1 A2 WP SDA SCL GND
I2C2_SDA
I2C2_SCL
C31 0.1uF
J4 EC11
ENCODER
ENC_A
ENC_B
ENC_K
C35 10nF
C36 10nF
C37 10nF
VLCODER
J5 ENS1J_B28L00XXXL
R29 100
R30 100
VAL_B
VAL_A
FB5 47uH
C32 10nF
C33 10nF
C34 0.1uF
L1 47uH
C12 0.1uF
C13 100pf
R17 10k
R18 10k
XT3 25 MHz
U4 Si5351
Vdd CLK0 XA CLK1 XB GND SCL VDDO SDA CLK2
C14 0.1uF
J2 CWF-2
R19 51
J8 CN2
J9 CN2
SWD
J3 PLC-6
PA14
PA13
NRST
LCD_SPI1_SCK
[SWCLK]
[GND]
[SWDIO]
[RST]
FB1 47uH
C16 22u
C17 0.1uF
C18 0.1uF
C19 0.1uF
R28 100
FB2 47uH
RA9 33
I2S3_MCK
I2S3_CK
I2S3_SD
I2S3_WS
I2S3_extSD
U5 WM8731
DBVDD CLKOUT BCLK DACDAT DACLRC ADCDAT ADCLRC HPVDD LHPOUT RHPOUT HPGND LOUT ROUT AVDD
DGND DCVDD XTO XTI/MCLK SCLK SDIN CSB MODE LLINEIN RLINEIN MICIN MICBAIS VMID AGND
LHP_OUT
RHP_OUT
L_OUT
R_OUT
I2C1_SCL
I2C1_SDA
RX_I
RX_Q
MIC_IN
R25 10k
R26 10k
C27 10u
C28 0.1uF
C30 0.1uF
C29 10u
R20 10k
R21 no set
R22 47k
ADC0_PWR
B0
NRST
VBAT
C23 0.1uF
R23 1k
C21 0.1uF
R24 100k
C22 0.1uF
D2 BAT54C
JP1 BATTERY
C1 12 pF
C2 12 pF
C3 20 pF
C5 20 pF
XT1 32768kHz
XT2 8 MHz
R5 220
ENC_A
ENC_B
ENC_K
SWR_R
SWR_F
PTT_SW1
PTT_SW2
LED1 2191QU
R12 100
USBHS_M
USBHS_P
R9 100
KEY1
KEY2
KEY3
KEY4
KEY5
KEY6
KEY7
KEY_PWR
R27 100
PB9
CWK_A
PTT
C15 2u2/5V
C20 2u2/5V
FB3 47uH
FB4 47uH
C25 0.1uF
C26 0.1uF
C24 2u2/5V
U1 STM32FxxxVx
VSSA
VSS
J6 CON24
USB_P
USB_M
EN_TX
EN_RX
PRE
BAND-C
BAND-B
PWR_ON
BAND-A
ATT3
ATT2
ATT1
AF_MUTE
+TX
SWR_R
SWR_F
PTT_SW1
PTT_SW2
DAC1
DAC2
USBHS_M
USBHS_P
R31 33
R32 33
RA1 33
RA2 33
RA3 33
RA4 33
RA5 33
J7 CON24
PTT
CWK_A
CWK_B
PB4
PD7
PD6
PD5
PD4
PD3
PD2
PD1
PD0
PB9
RA6 33
RA7 33
RA8 33
RX_I
RX_Q
MIC_IN
LHP_OUT
RHP_OUT
L_OUT
R_OUT
C38 0.1uF
C39 0.1uF
C40 0.1uF
C41 0.1uF
C42 0.1uF
C43 0.1uF
SW2 4x4x1.5
SW3 4x4x1.5
SW4 4x4x1.5
SW5 4x4x1.5
SW6 4x4x1.5
SW7 4x4x1.5
SW8 4x4x1.5
KEY1
KEY2
KEY3
KEY4
KEY5
KEY6
KEY7
C44 0.1uF
C45 0.1uF
C46 0.1uF
C47 0.1uF
C48 0.1uF
C49 0.1uF
C50 0.1uF