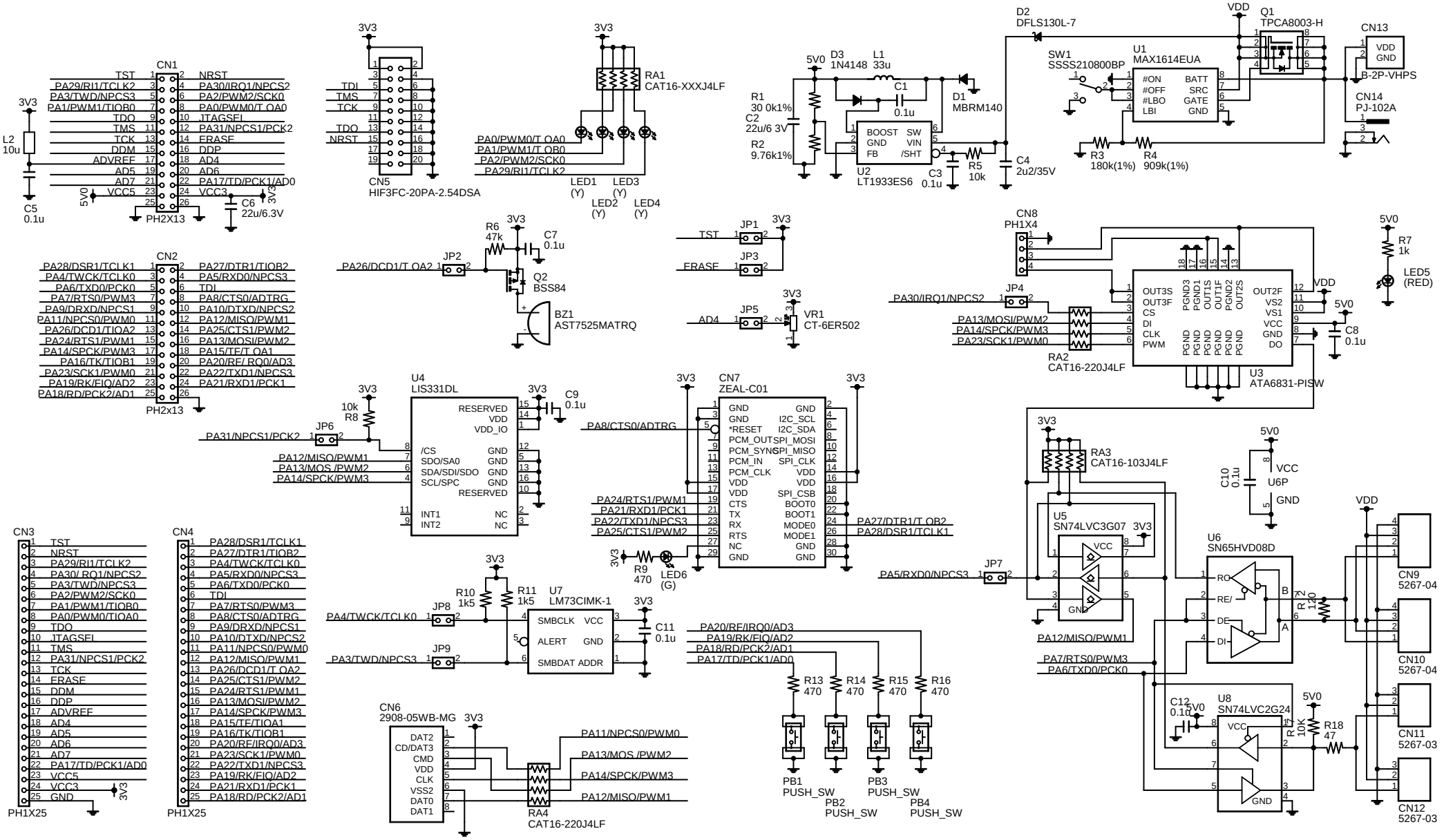
CN1
TST
PA29/RI1/TCLK2
PA3/TWD/NPCS3
PA1/PWM1/TIOB0
TDO
TMS
TCK
DDM
ADVREF
AD5
AD7
VCC5
NRST
PA30/IRQ1/NPCS2
PA2/PWM2/SCK0
PA0/PWM0/T OA0
JTAGSEL
PA31/NPCS1/PCK2
ERASE
DDP
AD4
AD6
PA17/TD/PCK1/AD0
VCC3
PH2X13
C5 0.1u
C6 22u/6.3V
L2 10u
3V3
5V0
CN2
PA28/DSR1/TCLK1
PA4/TWCK/TCLK0
PA6/TXD0/PCK0
PA7/RTS0/PWM3
PA9/DRXD/NPCS1
PA11/NPCS0/PWM0
PA26/DCD1/T OA2
PA24/RTS1/PWM1
PA14/SPCK/PWM3
PA16/TK/TIOB1
PA23/SCK1/PWM0
PA19/RK/FIQ/AD2
PA18/RD/PCK2/AD1
PA27/DTR1/TIOB2
PA5/RXD0/NPCS3
TDI
PA8/CTS0/ADTRG
PA10/DTXD/NPCS2
PA12/MISO/PWM1
PA25/CTS1/PWM2
PA13/MOSI/PWM2
PA15/TF/T OA1
PA20/RF/ RQ0/AD3
PA22/TXD1/NPCS3
PA21/RXD1/PCK1
PH2x13
CN5
HIF3FC-20PA-2.54DSA
RA1
CAT16-XXXJ4LF
LED1 (Y)
LED2 (Y)
LED3 (Y)
LED4 (Y)
D2
DFLS130L-7
D3
1N4148
L1
33u
C1 0.1u
D1
MBRM140
R1
30 0k1%
C2
22u/6 3V
R2
9.76k1%
U2
LT1933ES6
BOOST
SW
GND
VIN
FB
/SHT
C3 0.1u
R5
10k
C4
2u2/35V
VDD
Q1
TPCA8003-H
SW1
SSSS210800BP
U1
MAX1614EUA
#ON
#OFF
#LBO
LBI
BATT
SRC
GATE
GND
R3
180k(1%)
R4
909k(1%)
CN13
VDD
GND
B-2P-VHPS
CN14
PJ-102A
R6
47k
C7 0.1u
JP2
Q2
BSS84
BZ1
AST7525MATRQ
JP1
JP3
JP5
VR1
CT-6ER502
CN8
PH1X4
JP4
PA30/IRQ1/NPCS2
PA13/MOSI/PWM2
PA14/SPCK/PWM3
PA23/SCK1/PWM0
RA2
CAT16-220J4LF
OUT3S
OUT3F
CS
DI
CLK
PWM
PGND
OUT1S
OUT1F
PGND2
OUT2S
OUT2F
VS2
VS1
VCC
GND
DO
U3
ATA6831-PISW
C8 0.1u
R7
1k
LED5 (RED)
U4
LIS331DL
RESERVED
VDD
VDD_IO
/CS
SDO/SA0
SDA/SDI/SDO
SCL/SPC
INT1
INT2
NC
R8
10k
JP6
PA31/NPCS1/PCK2
PA12/MISO/PWM1
PA13/MOS /PWM2
PA14/SPCK/PWM3
C9 0.1u
CN7
ZEAL-C01
GND
*RESET
PCM_OUT
PCM_SYNC
PCM_IN
PCM_CLK
VDD
CTS
TX
RX
RTS
NC
I2C_SCL
I2C_SDA
SPI_MOSI
SPI_MISO
SPI_CLK
SPI_CSB
BOOT0
BOOT1
MODE0
MODE1
PA8/CTS0/ADTRG
PA24/RTS1/PWM1
PA21/RXD1/PCK1
PA22/TXD1/NPCS3
PA25/CTS1/PWM2
PA27/DTR1/T OB2
PA28/DSR1/TCLK1
R9
470
LED6 (G)
RA3
CAT16-103J4LF
U5
SN74LVC3G07
VCC
GND
C10 0.1u
U6P
U6
SN65HVD08D
RO
RE/
DE
DI
B
A
R12 120
JP7
PA5/RXD0/NPCS3
PA12/MISO/PWM1
PA7/RTS0/PWM3
PA6/TXD0/PCK0
CN9
5267-04
CN10
5267-04
CN11
5267-03
CN12
5267-03
U8
SN74LVC2G24
C12 0.1u
R17 10K
R18 47
CN3
CN4
PH1X25
PA0/PWM0/T OA0
PA1/PWM1/T OB0
PA2/PWM2/SCK0
PA29/RI1/TCLK2
R10 1k5
R11 1k5
U7
LM73CIMK-1
SMBCLK
ALERT
SMBDAT
ADDR
JP8
JP9
PA4/TWCK/TCLK0
PA3/TWD/NPCS3
C11 0.1u
CN6
2908-05WB-MG
DAT2
CD/DAT3
CMD
VDD
CLK
VSS2
DAT0
DAT1
RA4
CAT16-220J4LF
PA11/NPCS0/PWM0
PA13/MOS /PWM2
PA14/SPCK/PWM3
PA12/MISO/PWM1
PA20/RF/IRQ0/AD3
PA19/RK/FIQ/AD2
PA18/RD/PCK2/AD1
PA17/TD/PCK1/AD0
R13 470
R14 470
R15 470
R16 470
PB1 PUSH_SW
PB2 PUSH_SW
PB3 PUSH_SW
PB4 PUSH_SW