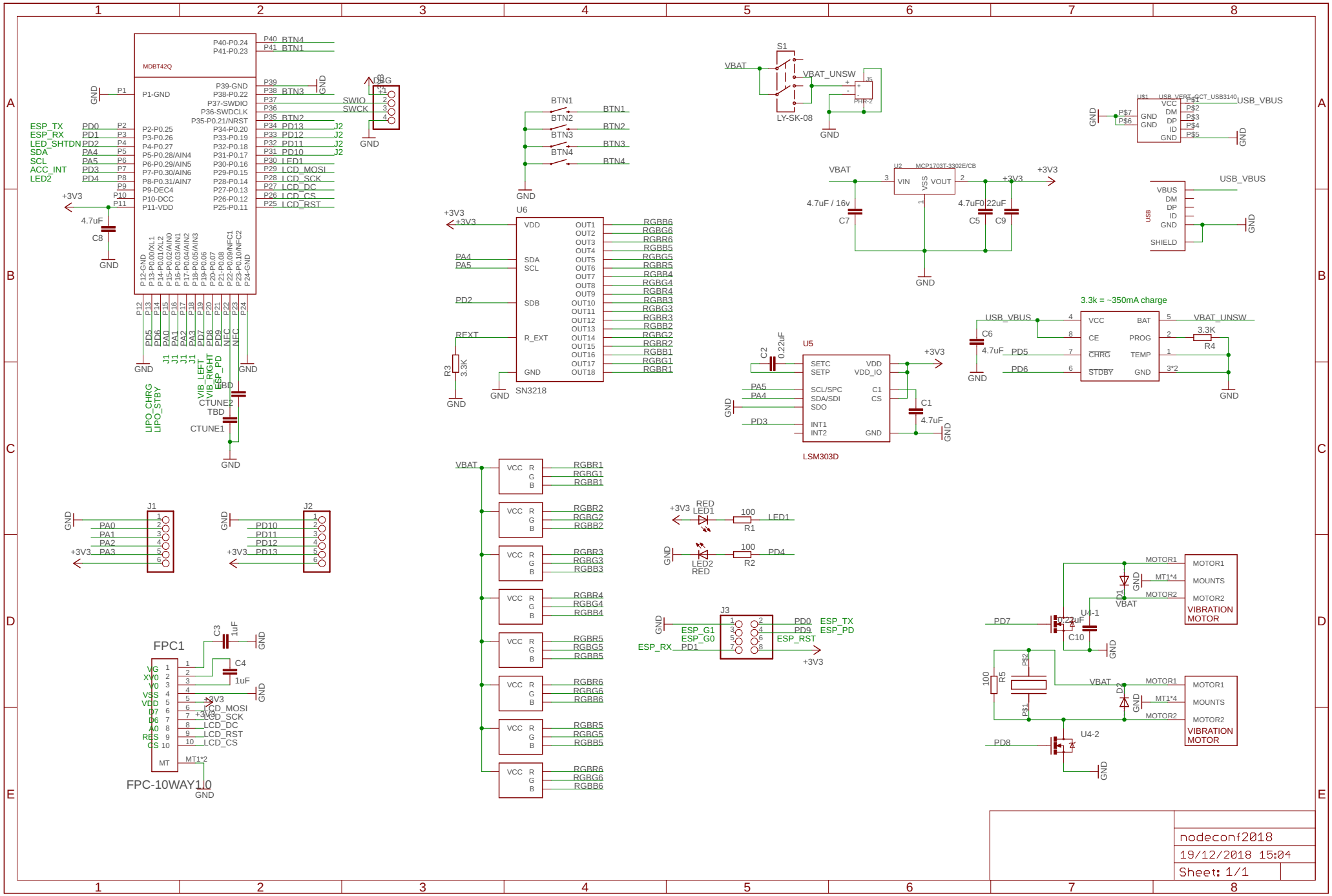
MDBT42Q
P40-P0.24
P41-P0.23
P39-GND
P38-P0.22
P37-SWDIO
P36-SWDCLK
P35-P0.21/NRST
P2-P0.25
P3-P0.26
P4-P0.27
P5-P0.28/AIN4
P6-P0.29/AIN5
P7-P0.30/AIN6
P8-P0.31/AIN7
P9-DEC4
P10-DCC
P11-VDD
P34-P0.20
P33-P0.19
P32-P0.18
P31-P0.17
P30-P0.16
P29-P0.15
P28-P0.14
P27-P0.13
P26-P0.12
P25-P0.11
P12-GND
P13-P0.00/XL1
P14-P0.01/XL2
P15-P0.02/AIN0
P16-P0.03/AIN1
P17-P0.04/AIN2
P18-P0.05/AIN3
P19-P0.06
P20-P0.07
P21-P0.08
P22-P0.09/NFC1
P23-P0.10/NFC2
P24-GND
P1-GND
ESP_TX PD0
ESP_RX PD1
LED_SHTDN PD2
SDA PA4
SCL PA5
ACC_INT PD3
LED2 PD4
+3V3
4.7uF
C8
GND
P40 BTN4
P41 BTN1
P39
P38 BTN3
P37 SWIO
P36 SWCK
P35 BTN2
P34 PD13 J2
P33 PD12 J2
P32 PD11 J2
P31 PD10 J2
P30 LED1
P29 LCD_MOSI
P28 LCD_SCK
P27 LCD_DC
P26 LCD_CS
P25 LCD_RST
DBG
P12 PD5 J1
P13 PD6 J1
P14 PA0 J1
P15 PA1 J1
P16 PA2 J1
P17 PA3 J1
P18 PD7
P19 PD8
P20 PD9
P21 NFC
P22 NFC
P23
P24
LIPO_CHRG
LIPO_STBY
VIB_LEFT
VIB_RIGHT
ESP_PD
EBD
CTUNE2
TBD
CTUNE1
S1
VBAT
VBAT_UNSW
LY-SK-08
J5
PHR-2
BTN1
BTN2
BTN3
BTN4
U6
SN3218
VDD
SDA
SCL
SDB
R_EXT
GND
OUT1 RGBB6
OUT2 RGBG6
OUT3 RGBR6
OUT4 RGBB5
OUT5 RGBG5
OUT6 RGBR5
OUT7 RGBB4
OUT8 RGBG4
OUT9 RGBR4
OUT10 RGBB3
OUT11 RGBG3
OUT12 RGBR3
OUT13 RGBB2
OUT14 RGBG2
OUT15 RGBR2
OUT16 RGBB1
OUT17 RGBG1
OUT18 RGBR1
PA4
PA5
PD2
REXT
R3
3.3K
U1
USB_VERT_CCT_USB3140
VCC
DM
DP
ID
GND
P$1
P$2
P$3
P$4
P$5
P$6
P$7
USB_VBUS
U2
MCP1703T-3302E/CB
VIN
VOUT
VSS
4.7uF / 16v
C7
4.7uF
C5
0.22uF
C9
USB
VBUS
SHIELD
U5
LSM303D
SETC
SETP
SCL/SPC
SDA/SDI
SDO
INT1
INT2
VDD_IO
C1
CS
C2
0.22uF
C1
4.7uF
3.3k = ~350mA charge
BAT
CE
PROG
CHRG
TEMP
STDBY
C6
4.7uF
3.3K
R4
3*2
J1
J2
PA0
PA1
PA2
PA3
PD10
PD11
PD12
PD13
+3V3
FPC1
FPC-10WAY1.0
VG
XVO
VO
VSS
VDD
D7
D6
A0
RES
CS
MT
MT1*2
C3
1uF
C4
1uF
LCD_MOSI
LCD_SCK
LCD_DC
LCD_RST
LCD_CS
VCC
R
G
B
RED
LED1
100
R1
LED1
LED2
RED
R2
PD4
J3
ESP_G1
ESP_G0
ESP_RX
PD1
PD0
PD9
ESP_RST
ESP_TX
ESP_PD
MOTOR1
MOTOR2
MOUNTS
MT1*4
VIBRATION MOTOR
D1
D2
U4-1
U4-2
PD7
PD8
C10
0.22uF
100
R5
PS2
PS1
nodeconf2018
19/12/2018 15:04
Sheet: 1/1