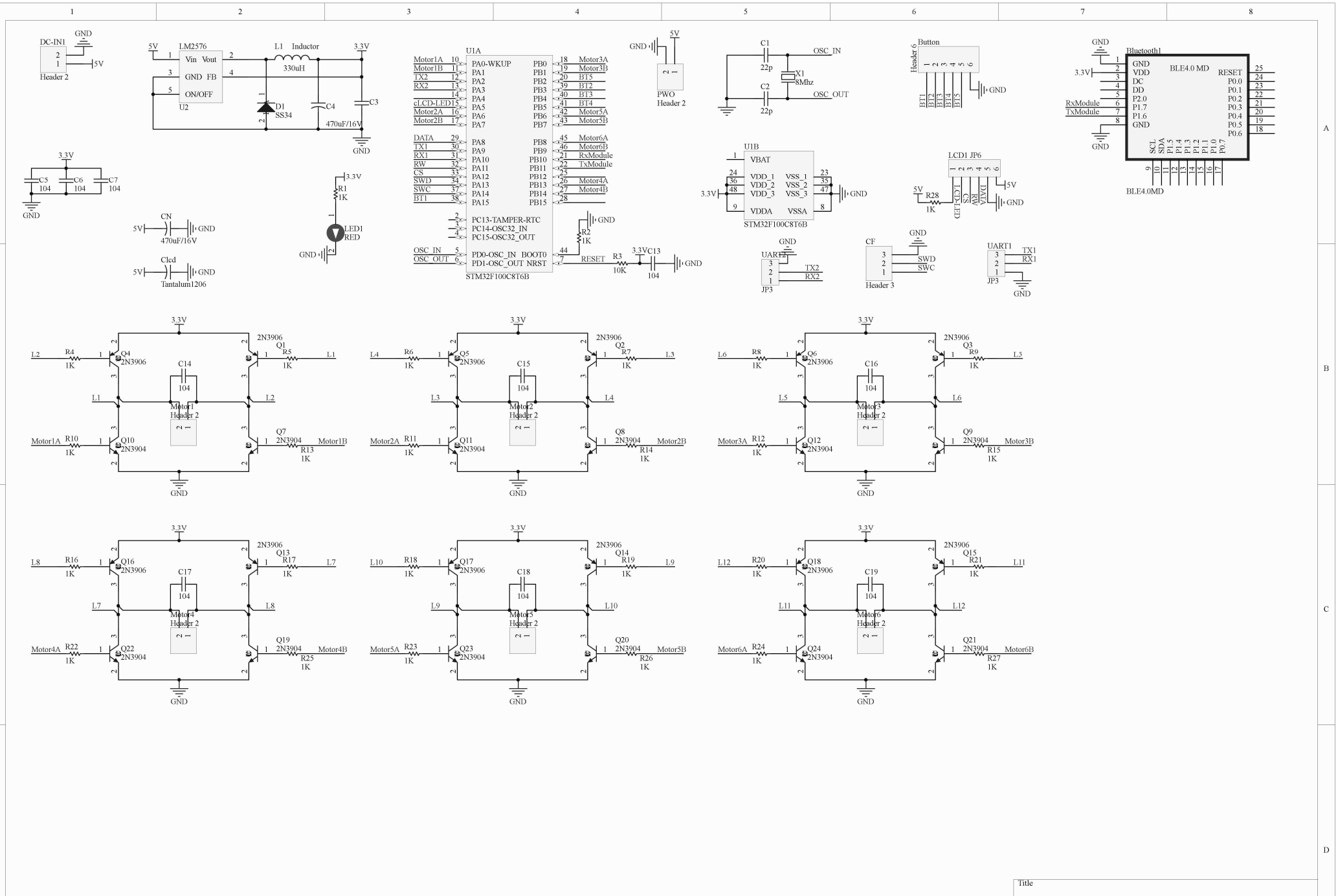
DC-IN1
Header 2
LM2576
Vin Vout
GND FB
ON/OFF
U2
L1 Inductor
330uH
D1
SS34
C4
470uF/16V
C3
3.3V
5V
GND
C5 104
C6 104
C7 104
CN
470uF/16V
Cled
Tantalum1206
R1 1K
LED1 RED
U1A
STM32F100C8T6B
PA0-WKUP
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
PD0-OSC_IN BOOT0
PD1-OSC_OUT NRST
Motor1A
Motor1B
TX2
RX2
cLCD-LED
Motor2A
Motor2B
DATA
TX1
RX1
RW
CS
SWD
SWC
BT1
OSC_IN
OSC_OUT
Motor3A
Motor3B
BT5
BT2
BT3
BT4
Motor5A
Motor5B
Motor6A
Motor6B
RxModule
TxModule
Motor4A
Motor4B
R2 1K
R3 10K
C13 104
RESET
PWO
Header 2
C1 22p
C2 22p
X1 8Mhz
OSC_IN
OSC_OUT
Header 6
Button
U1B
STM32F100C8T6B
VBAT
VDD_1
VDD_2
VDD_3
VSS_1
VSS_2
VSS_3
VDDA
VSSA
LCD1 JP6
R28 1K
CLT
CLD
NS
NR
SWD
SWC
UART2
JP3
TX2
RX2
CF
Header 3
SWD
SWC
UART1
JP3
TX1
RX1
Bluetooth1
BLE4.0 MD
GND
VDD
DC
DD
P2.0
P1.7
P1.6
RESET
P0.0
P0.1
P0.2
P0.3
P0.4
P0.5
P0.6
SCL
SDA
P1.5
P1.4
P1.3
P1.2
P1.1
P1.0
P0.7
RxModule
TxModule
BLE4.0MD
Motor1
Motor2
Motor3
Motor4
Motor5
Motor6
Header 2
2N3906
2N3904
R4 1K
R5 1K
R6 1K
R7 1K
R8 1K
R9 1K
R10 1K
R11 1K
R12 1K
R13 1K
R14 1K
R15 1K
R16 1K
R17 1K
R18 1K
R19 1K
R20 1K
R21 1K
R22 1K
R23 1K
R24 1K
R25 1K
R26 1K
R27 1K
C14 104
C15 104
C16 104
C17 104
C18 104
C19 104
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15
Q16
Q17
Q18
Q19
Q20
Q21
Q22
Q23
Q24
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L11
L12
Motor1A
Motor1B
Motor2A
Motor2B
Motor3A
Motor3B
Motor4A
Motor4B
Motor5A
Motor5B
Motor6A
Motor6B
Title
Size
A3
Number
Revision
Date: 07-Nov-16
Sheet of
File: C:\Users\..\DeDongHoBlueTooth.SchDoc
Drawn By: