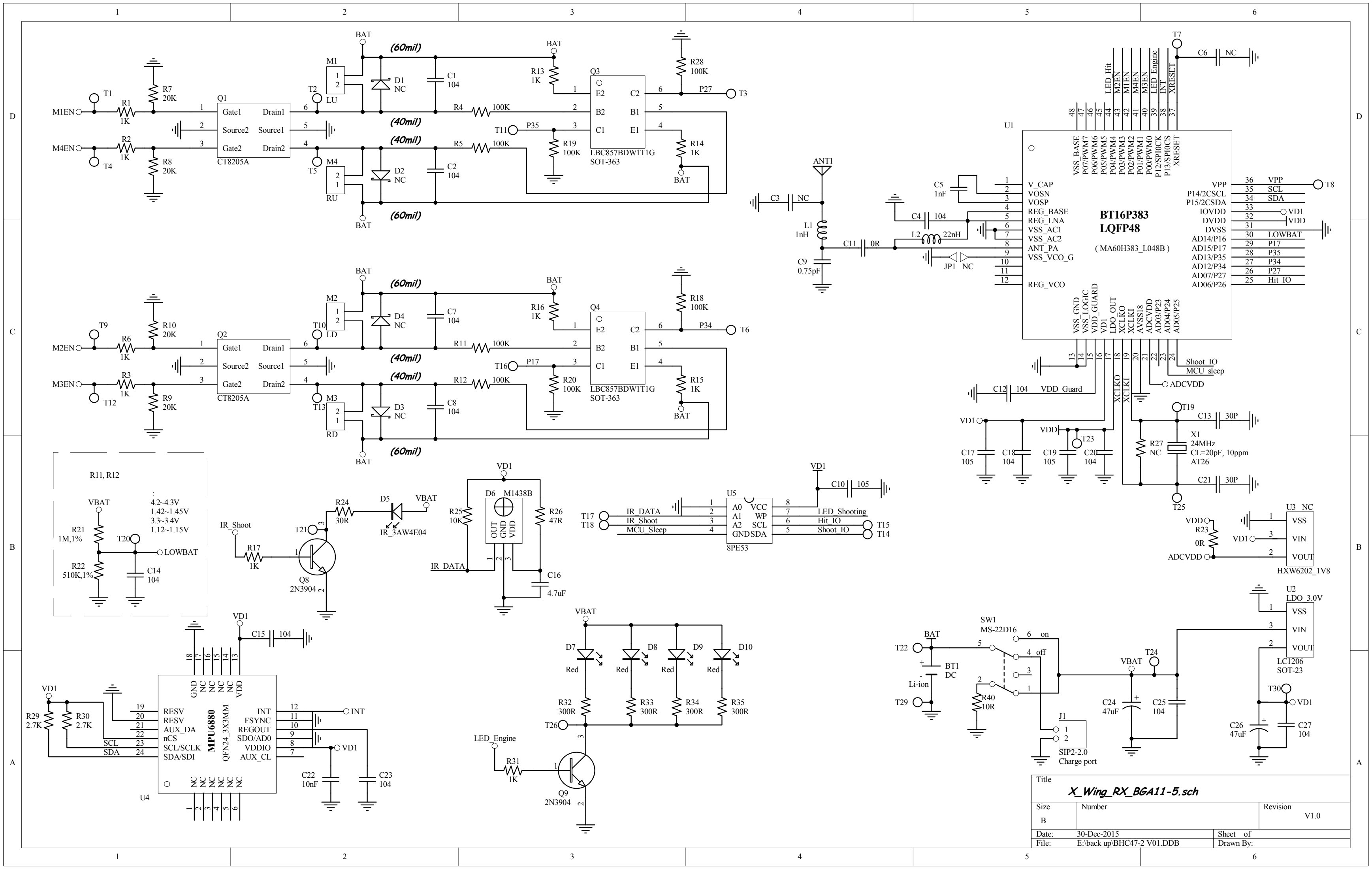
M1EN
M4EN
M2EN
M3EN
T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23 T24 T25 T26 T29 T30
R1 1K
R2 1K
R3 1K
R6 1K
R7 20K
R8 20K
R9 20K
R10 20K
Q1 CT8205A
Q2 CT8205A
Gate1 Drain1 Source2 Source1 Gate2 Drain2
M1 LU
M4 RU
M2 LD
M3 RD
BAT
(60mil)
(40mil)
D1 NC
D2 NC
D3 NC
D4 NC
C1 104
C2 104
C7 104
C8 104
R4 100K
R5 100K
R11 100K
R12 100K
R13 1K
R14 1K
R15 1K
R16 1K
R19 100K
R20 100K
R28 100K
R18 100K
Q3 LBC857BDW1T1G SOT-363
Q4 LBC857BDW1T1G SOT-363
E2 C2 B2 B1 C1 E1
P27 P35 P34 P17
ANT1
C3 NC
L1 1nH
C9 0.75pF
C11 0R
C5 1nF
C4 104
L2 22nH
JP1 NC
C6 NC
U1
BT16P383
LQFP48
(MA60H383_L048B)
V_CAP VOSN VOSP REG_BASE REG_LNA VSS_AC1 VSS_AC2 ANT_PA VSS_VCO_G REG_VCO
VSS_BASE P07/PWM7 P06/PWM6 P05/PWM5 P04/PWM4 P03/PWM3 P02/PWM2 P01/PWM1 P00/PWM0 P12/SPI0CK P13/SPI0CS XRESET
LED_Hit M2EN M1EN M4EN M3EN LED_Engine INT XRESET
VPP P14/2CSCL P15/2CSDA IOVDD DVDD DVSS AD14/P16 AD15/P17 AD13/P35 AD12/P34 AD07/P27 AD06/P26
VPP SCL SDA VD1 VDD LOWBAT P17 P35 P34 P27 Hit_IO
VSS_GND VSS_LOGIC VDD_GUARD VD1 LDO_OUT XCLKO XCLKI AVSS18 ADCVDD AD03/P23 AD04/P24 AD05/P25
Shoot_IO
MCU_sleep
ADCVDD
C12 104 VDD_Guard
XCLKO XCLKI
VD1 VDD
C17 105
C18 104
C19 105
C20 104
R27 NC
X1 24MHz CL=20pF, 10ppm AT26
C13 30P
C21 30P
R11, R12
:
4.2~4.3V
1.42~1.45V
3.3~3.4V
1.12~1.15V
VBAT
R21 1M,1%
R22 510K,1%
C14 104
LOWBAT
IR_Shoot
R17 1K
Q8 2N3904
R24 30R
D5 IR_3AW4E04
VBAT
VD1
D6 M1438B
OUT GND VDD
R25 10K
R26 47R
IR_DATA
C16 4.7uF
U5 8PE53
A0 A1 A2 GND VCC WP SCL SDA
IR_DATA IR_Shoot MCU_Sleep LED_Shooting Hit_IO Shoot_IO
C10 105
U3 NC HXW6202_1V8
VSS VIN VOUT
VDD R23 0R ADCVDD VD1
U4 MPU6880 QFN24_3X3MM
GND NC NC NC NC VDD
RESV RESV AUX_DA nCS SCL/SCLK SDA/SDI
INT FSYNC REGOUT SDO/AD0 VDDIO AUX_CL
SCL SDA INT VD1
R29 2.7K
R30 2.7K
C15 104
C22 10nF
C23 104
D7 D8 D9 D10 Red
R32 300R
R33 300R
R34 300R
R35 300R
LED_Engine
R31 1K
Q9 2N3904
BAT
BT1 DC Li-ion
SW1 MS-22D16
6 on
4 off
R40 10R
J1 SIP2-2.0 Charge port
C24 47uF
C25 104
U2 LDO_3.0V LC1206 SOT-23
VSS VIN VOUT
C26 47uF
C27 104
Title
X_Wing_RX_BGA11-5.sch
Size B
Number
Revision V1.0
Date: 30-Dec-2015
Sheet of
File: E:\back up\BHC47-2 V01.DDB
Drawn By: