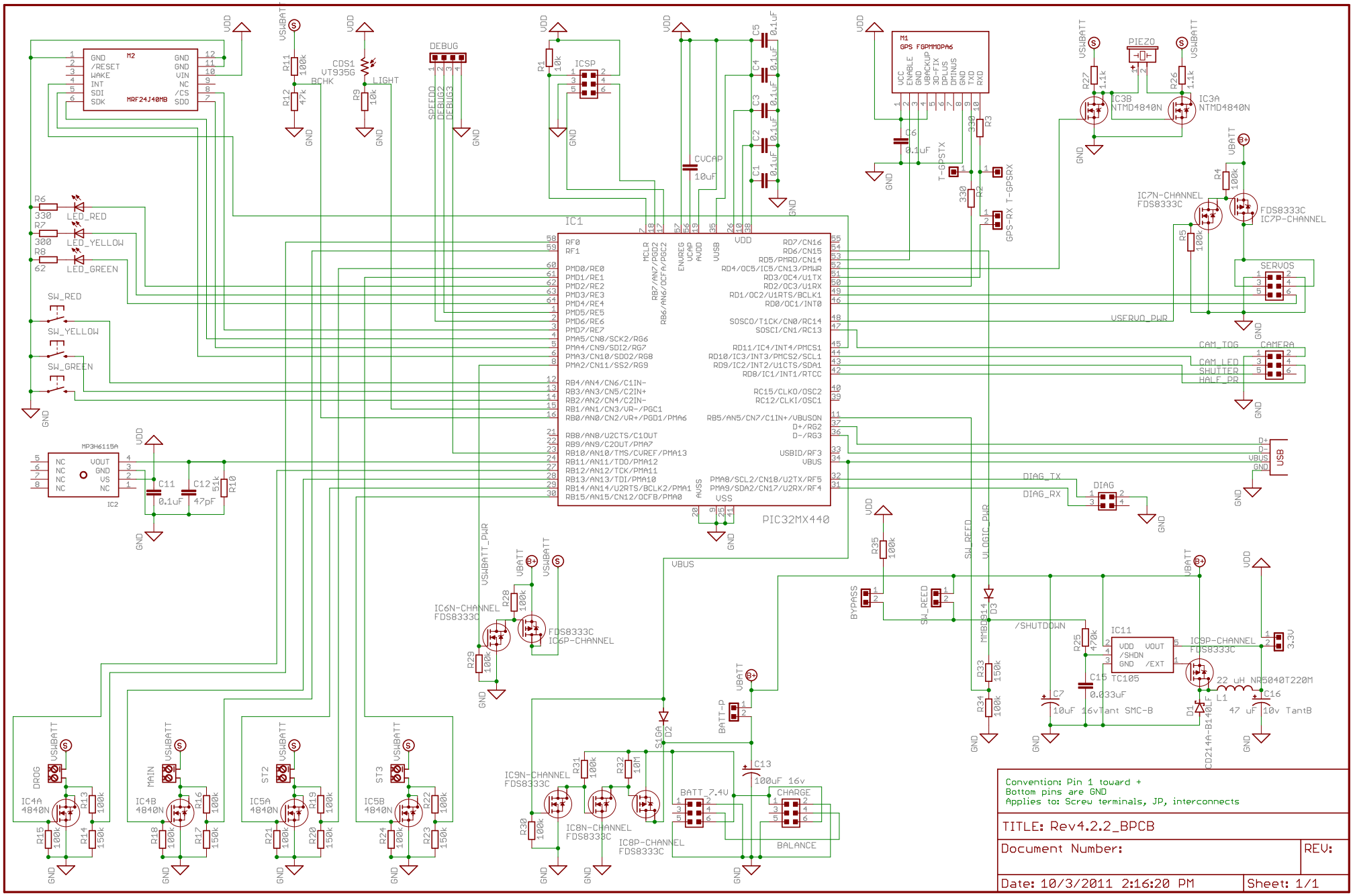
M2
MRF24J40MB
GND
/RESET
WAKE
INT
SDI
SDK
/CS
SDO
VIN
NC
VDD
VSWBATT
R11 100k
R12 47k
BCHK
CDS1 VT935G
LIGHT
R9 10k
DEBUG
SPEEDO
DEBUG2
DEBUG3
R1 10k
ICSP
C5 0.1uF
C4 0.1uF
C3 0.1uF
C2 0.1uF
C1 0.1uF
CVCAP 10uF
M1
GPS FGPMMOPA6
VCC
ENABLE
GND
VBACKUP
1PPS
SDA
SCL
DMINUS
TXD
RXD
C6 0.1uF
R3 330
R2 330
T-GPSTX
GPS-RX T-GPSRX
PIEZO
R27 1.1k
R26 1.1k
IC3B NTMD4840N
IC3A NTMD4840N
VBATT
R4 100k
IC7N-CHANNEL FDS8333C
FDS8333C IC7P-CHANNEL
R5 100k
SERVOS
VSERVO_PWR
CAM_TOG
CAM_LED
SHUTTER
HALF_PR
CAMERA
R6 330 LED_RED
R7 300 LED_YELLOW
R8 62 LED_GREEN
SW_RED
SW_YELLOW
SW_GREEN
IC1
PIC32MX440
RF0
RF1
PMD0/RE0
PMD1/RE1
PMD2/RE2
PMD3/RE3
PMD4/RE4
PMD5/RE5
PMD6/RE6
PMD7/RE7
PMA5/CN8/SCK2/RG6
PMA4/CN9/SDI2/RG7
PMA3/CN10/SDO2/RG8
PMA2/CN11/SS2/RG9
RB4/AN4/CN6/C1IN-
RB3/AN3/CN5/C2IN+
RB2/AN2/CN4/C2IN-
RB1/AN1/CN3/VR-/PGC1
RB0/AN0/CN2/VR+/PGD1/PMA6
RB8/AN8/U2CTS/C1OUT
RB9/AN9/C2OUT/PMA7
RB10/AN10/TMS/CVREF/PMA13
RB11/AN11/TDO/PMA12
RB12/AN12/TCK/PMA11
RB13/AN13/TDI/PMA10
RB14/AN14/U2RTS/BCLK2/PMA1
RB15/AN15/CN12/OCFB/PMA0
MCLR
PGD2
PGC2
RB7/AN7/PGD3
RB6/AN6/OCFA/PGC3
ENVREG
VCAP
AVDD
VUSB
AVSS
VSS
RD7/CN16
RD6/CN15
RD5/PMRD/CN14
RD4/OC5/IC5/CN13/PMWR
RD3/OC4/U1TX
RD2/OC3/U1RX
RD1/OC2/U1RTS/BCLK1
RD0/OC1/INT0
SOSCO/T1CK/CN0/RC14
SOSCI/CN1/RC13
RD11/IC4/INT4/PMCS1
RD10/IC3/INT3/PMCS2/SCL1
RD9/IC2/INT2/U1CTS/SDA1
RD8/IC1/INT1/RTCC
RC15/CLKO/OSC2
RC12/CLKI/OSC1
RB5/AN5/CN7/C1IN+/VBUSON
D+/RG2
D-/RG3
USBID/RF3
VBUS
PMA8/SCL2/CN18/U2TX/RF5
PMA9/SDA2/CN17/U2RX/RF4
USB
DIAG_TX
DIAG_RX
DIAG
IC2
MP3H6115A
NC
VOUT
GND
VS
C11 0.1uF
C12 47pF
R10 51k
VSWBATT_PWR
IC6N-CHANNEL FDS8333C
FDS8333C IC6P-CHANNEL
R28 100k
R29 100k
VBUS
R35 100k
SW_REED
VI_LOGIC_PWR
BYPASS
D3 MMBD914
/SHUTDOWN
IC11
VDD VOUT
/SHDN
GND /EXT
R25 470k
C15 TC105 0.033uF
C7 10uF 16vTant SMC-B
IC9P-CHANNEL FDS8333C
3.3V
22 uH NR5040T220M
L1
C16 47 uF 10v TantB
D1 CD214A-B140LF
R33 150k
R34 100k
BATT-P
S1GA D2
C13 100uF 16v
IC9N-CHANNEL FDS8333C
R31 100k
R32 10M
R30 100k
IC8N-CHANNEL FDS8333C
IC8P-CHANNEL FDS8333C
BATT_7.4V
CHARGE
BALANCE
DROG
MAIN
ST2
ST3
IC4A 4840N
IC4B 4840N
IC5A 4840N
IC5B 4840N
R13 100k
R14 150k
R15 100k
R16 100k
R17 150k
R18 100k
R19 100k
R20 150k
R21 100k
R22 100k
R23 150k
R24 100k
Convention: Pin 1 toward +
Bottom pins are GND
Applies to: Screw terminals, JP, interconnects
TITLE: Rev4.2.2_BPCB
Document Number:
REV:
Date: 10/3/2011 2:16:20 PM
Sheet: 1/1