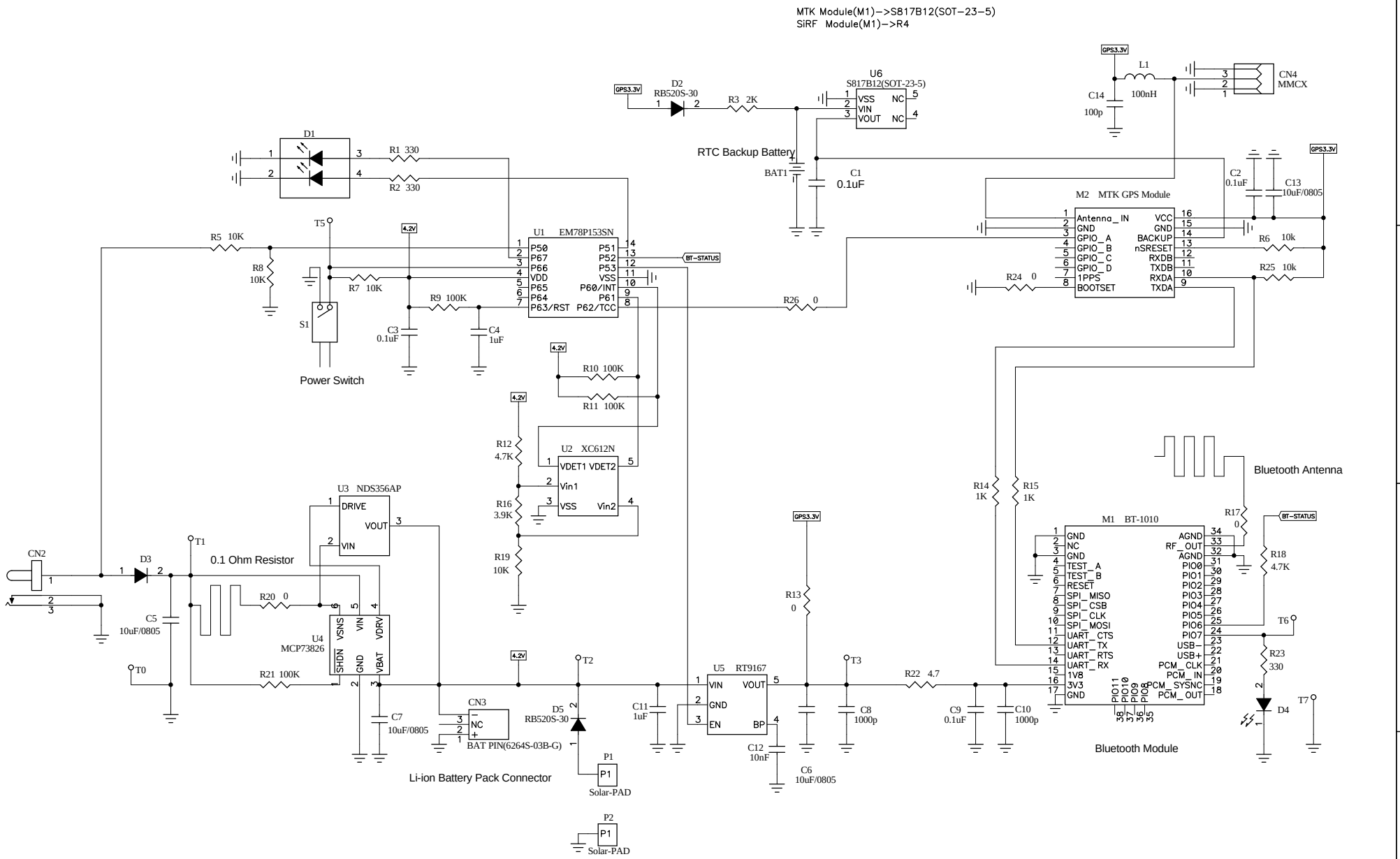
MTK Module(M1)->S817B12(SOT-23-5)
SiRF Module(M1)->R4
GPS3.3V
D2
RB520S-30
R3 2K
U6
S817B12(SOT-23-5)
VSS
VIN
VOUT
NC
RTC Backup Battery
BAT1
C1
0.1uF
L1
100nH
C14
100p
CN4
MMCX
C2
0.1uF
C13
10uF/0805
M2 MTK GPS Module
Antenna_IN
GND
GPIO_A
GPIO_B
GPIO_C
GPIO_D
1PPS
BOOTSET
VCC
BACKUP
nSRESET
RXDB
TXDB
RXDA
TXDA
R6 10k
R25 10k
R24 0
D1
R1 330
R2 330
T5
4.2V
R5 10K
R8 10K
R7 10K
R9 100K
S1
Power Switch
C3 0.1uF
C4 1uF
U1 EM78P153SN
P50
P67
P66
VDD
P65
P64
P63/RST
P51
P52
P53
VSS
P60/INT
P61
P62/TCC
BT-STATUS
R26 0
R10 100K
R11 100K
R12 4.7K
R16 3.9K
R19 10K
U2 XC612N
VDET1
VDET2
Vin1
VSS
Vin2
U3 NDS356AP
DRIVE
VOUT
VIN
CN2
D3
T1
0.1 Ohm Resistor
R20 0
C5 10uF/0805
T0
U4 MCP73826
VSNS
VIN
VDRV
SHDN
GND
VBAT
R21 100K
C7 10uF/0805
CN3
NC
BAT PIN(6264S-03B-G)
Li-ion Battery Pack Connector
T2
D5
RB520S-30
P1
Solar-PAD
P2
Solar-PAD
U5 RT9167
VIN
GND
EN
VOUT
BP
C11 1uF
C12 10nF
C6 10uF/0805
R13 0
T3
C8 1000p
R22 4.7
C9 0.1uF
C10 1000p
R14 1K
R15 1K
Bluetooth Antenna
M1 BT-1010
GND
NC
GND
TEST_A
TEST_B
RESET
SPI_MISO
SPI_CSB
SPI_CLK
SPI_MOSI
UART_CTS
UART_TX
UART_RTS
UART_RX
1V8
3V3
GND
AGND
RF_OUT
AGND
PIO0
PIO1
PIO2
PIO3
PIO4
PIO5
PIO6
PIO7
USB-
USB+
PCM_CLK
PCM_IN
PCM_SYNC
PCM_OUT
PIO11
PIO10
PIO9
PIO8
R17 0
R18 4.7K
T6
R23 330
D4
T7
Bluetooth Module
Title 9509-BT2.5MR V0.1
Size A3
Number
Rev 0.1
Date 2006/06/02
Drawn by robert
Filename 9509-BT2.5MR V0.1.sch
Sheet 1 of 1