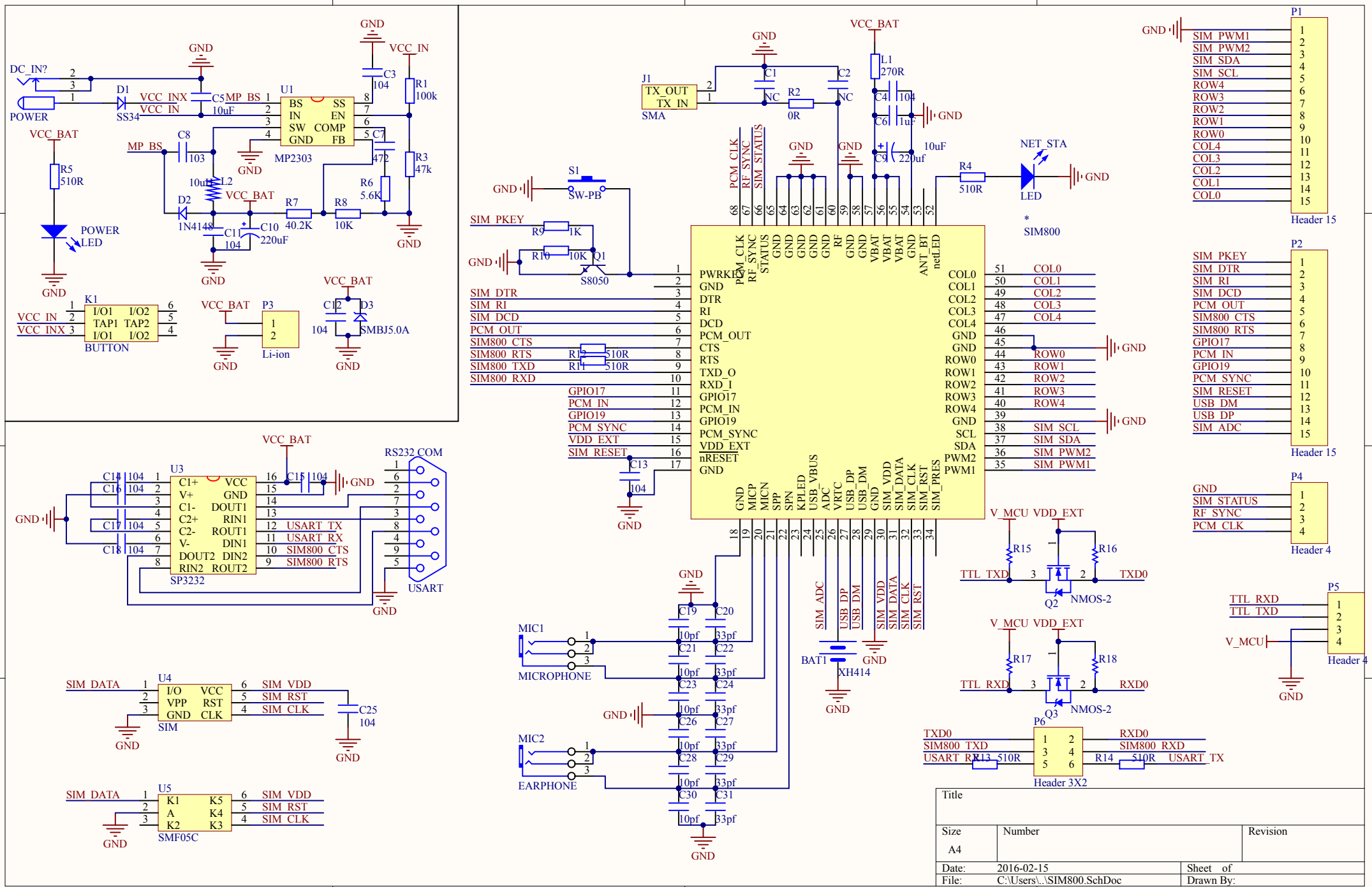
DC_IN?
POWER
D1
SS34
VCC_INX
VCC_IN
C5
10uF
MP_BS
U1
BS
IN
SW
GND
SS
EN
COMP
FB
MP2303
C3
104
R1
100k
R3
47k
C7
472
R6
5.6K
R7
40.2K
R8
10K
L2
10uH
D2
1N4148
C11
104
C10
220uF
C8
103
R5
510R
POWER LED
K1
I/O1
I/O2
TAP1
TAP2
BUTTON
P3
Li-ion
C12
104
D3
SMBJ5.0A
VCC_BAT
GND
VCC_IN
U3
SP3232
C1+
V+
C1-
C2+
C2-
V-
DOUT2
RIN2
VCC
GND
DOUT1
RIN1
ROUT1
DIN1
DIN2
ROUT2
C13
C14
C15
C16
C17
C18
RS232 COM
USART
USART_TX
USART_RX
SIM800_CTS
SIM800_RTS
U4
SIM
SIM_DATA
SIM_VDD
SIM_RST
SIM_CLK
C25
U5
SMF05C
K1
K2
K3
K4
K5
A
I/O
VPP
J1
SMA
TX_OUT
TX_IN
L1
270R
C1
C2
NC
R2
0R
C4
C6
1uF
C9
220uF
S1
SW-PB
R9
1K
R10
10K
Q1
S8050
SIM_PKEY
PCM_CLK
RF_SYNC
SIM_STATUS
R4
510R
NET_STA
LED
SIM800
PWRKEY
DTR
RI
DCD
PCM_OUT
CTS
RTS
TXD_O
RXD_I
GPIO17
PCM_IN
GPIO19
PCM_SYNC
VDD_EXT
nRESET
STATUS
netLED
SIM_DTR
SIM_RI
SIM_DCD
R11
R12
GPIO17
GPIO19
ROW0
ROW1
ROW2
ROW3
ROW4
COL0
COL1
COL2
COL3
COL4
SIM_SCL
SIM_SDA
SIM_PWM2
SIM_PWM1
P1
P2
P4
P5
P6
Header 15
Header 4
Header 3X2
MIC1
MIC2
MICROPHONE
EARPHONE
C19
C20
C21
C22
C23
C24
C26
C27
C28
C29
C30
C31
10pf
33pf
BAT1
XH414
V_MCU_VDD_EXT
R15
R16
R17
R18
Q2
Q3
NMOS-2
TTL_TXD
TTL_RXD
TXD0
RXD0
V_MCU
R13
R14
Title
Size
A4
Number
Revision
Date:
2016-02-15
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File:
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Drawn By: