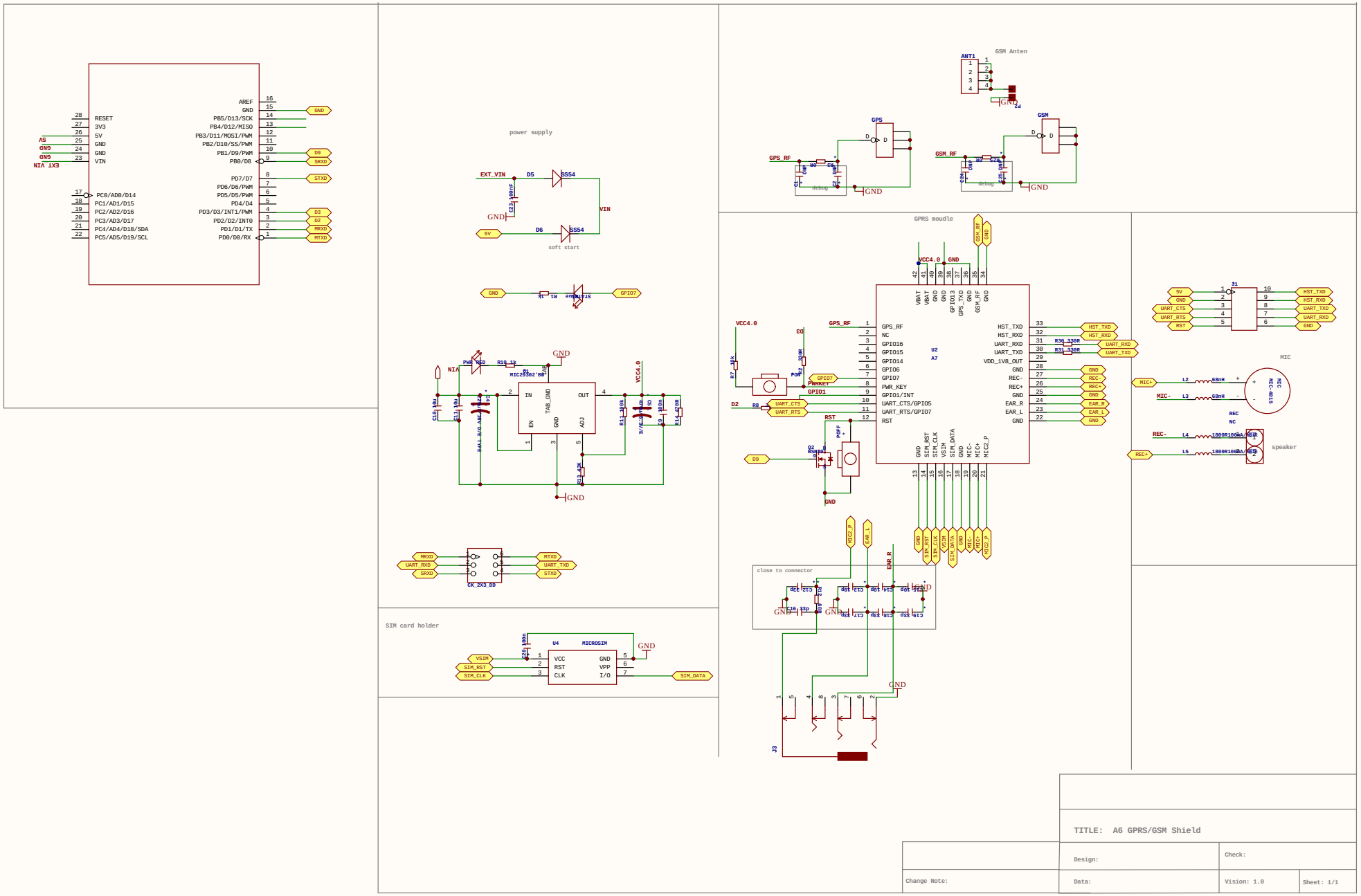
RESET
3V3
5V
GND
GND
VIN
PC0/AD0/D14
PC1/AD1/D15
PC2/AD2/D16
PC3/AD3/D17
PC4/AD4/D18/SDA
PC5/AD5/D19/SCL
AREF
GND
PB5/D13/SCK
PB4/D12/MISO
PB3/D11/MOSI/PWM
PB2/D10/SS/PWM
PB1/D9/PWM
PB0/D8
PD7/D7
PD6/D6/PWM
PD5/D5/PWM
PD4/D4
PD3/D3/INT1/PWM
PD2/D2/INT0
PD1/D1/TX
PD0/D0/RX
power supply
EXT_VIN
D5
SS54
C23 100uF
VIN
5V
D6
SS54
soft start
GND
R1 1k
STATUS
GPIO7
PWR
RED
R19 1k
D1
MIC29302'BP
IN
OUT
EN
GND
ADJ
TAB_GND
VCC4.0
C10 10u
C11 10u
C12 100u
C5 100u
C2 100u
R11 100k
R12 100k
R13 43k
CK_2X3_DD
MRXD
UART_RXD
SRXD
MTXD
UART_TXD
STXD
SIM card holder
U4
MICROSIM
VCC
RST
CLK
GND
VPP
I/O
VSIM
SIM_RST
SIM_CLK
SIM_DATA
GSM Anten
ANT1
GPS
GSM
GPS_RF
GSM_RF
R9 0R
R10 0R
C1 0uF
C2 0uF
C24 0uF
C25 0uF
debug
GPRS moudle
U2
A7
VBAT
VBAT
GND
GND
GPIO13
GPS_TXD
GND
GSM_RF
GND
GPS_RF
NC
GPIO16
GPIO15
GPIO14
GPIO6
GPIO7
PWR_KEY
GPIO1/INT
UART_CTS/GPIO5
UART_RTS/GPIO7
RST
HST_TXD
HST_RXD
UART_RXD
UART_TXD
VDD_1V8_OUT
GND
REC-
REC+
GND
EAR_R
EAR_L
GND
GND
SIM_RST
SIM_CLK
VSIM
SIM_DATA
GND
MIC-
MIC+
MIC2_P
R30 330R
R31 330R
R7 10k
D3
SW
PWRKEY
GPIO7
GPIO1
D2
R8
UART_CTS
UART_RTS
RST
Q2
BSN20
PGF
D9
close to connector
C15 33p
C16 33p
C13 10p
C14 10p
C17 33p
C18 33p
J3
J1
MIC
MIC-40-19
MIC+
MIC-
L2 68nH
L3 68nH
REC
NC
REC-
REC+
L4 1800R100mA/MB
L5 1800R100mA/MB
speaker
TITLE: A6 GPRS/GSM Shield
Design:
Check:
Change Note:
Data:
Vision: 1.0
Sheet: 1/1