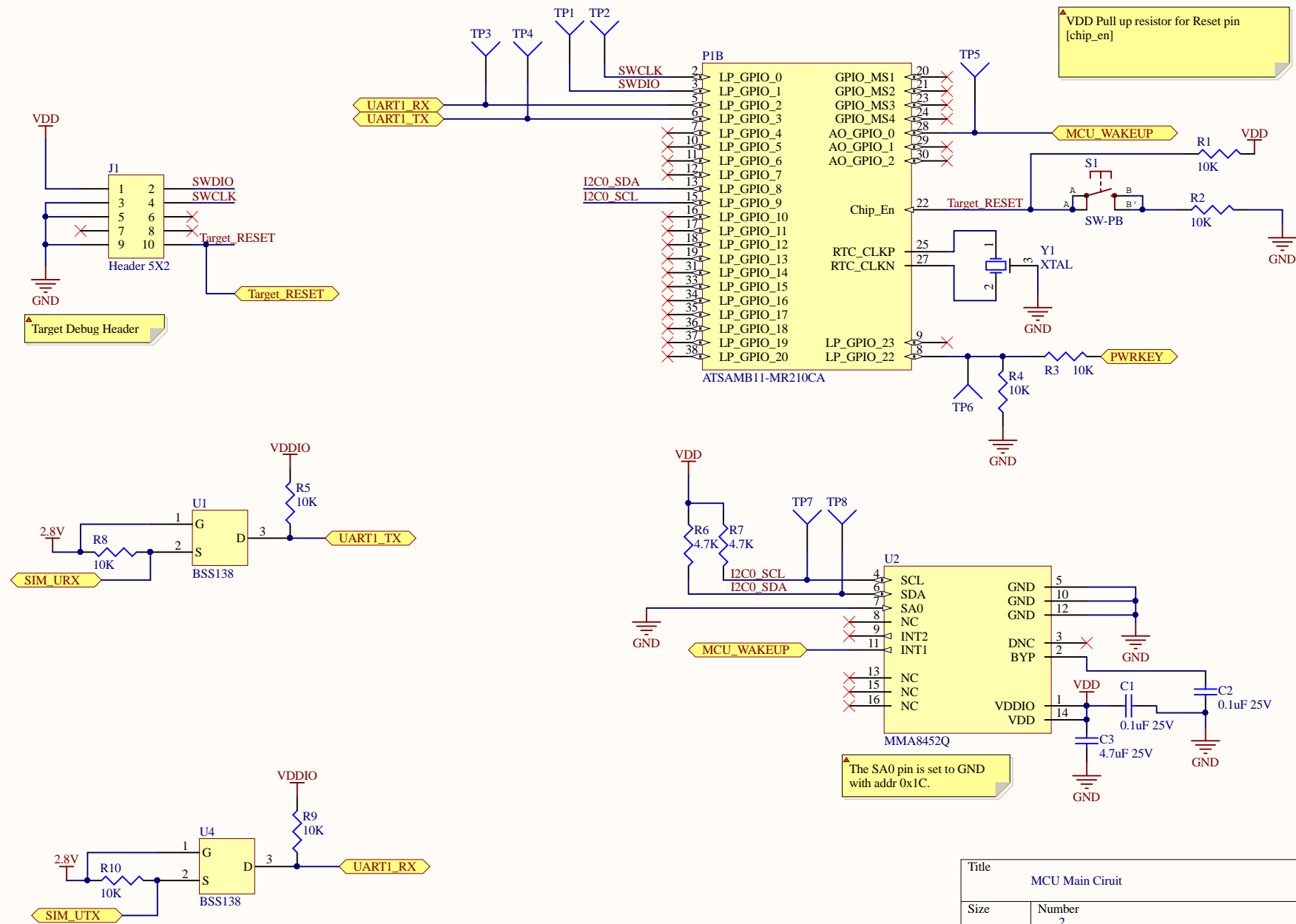
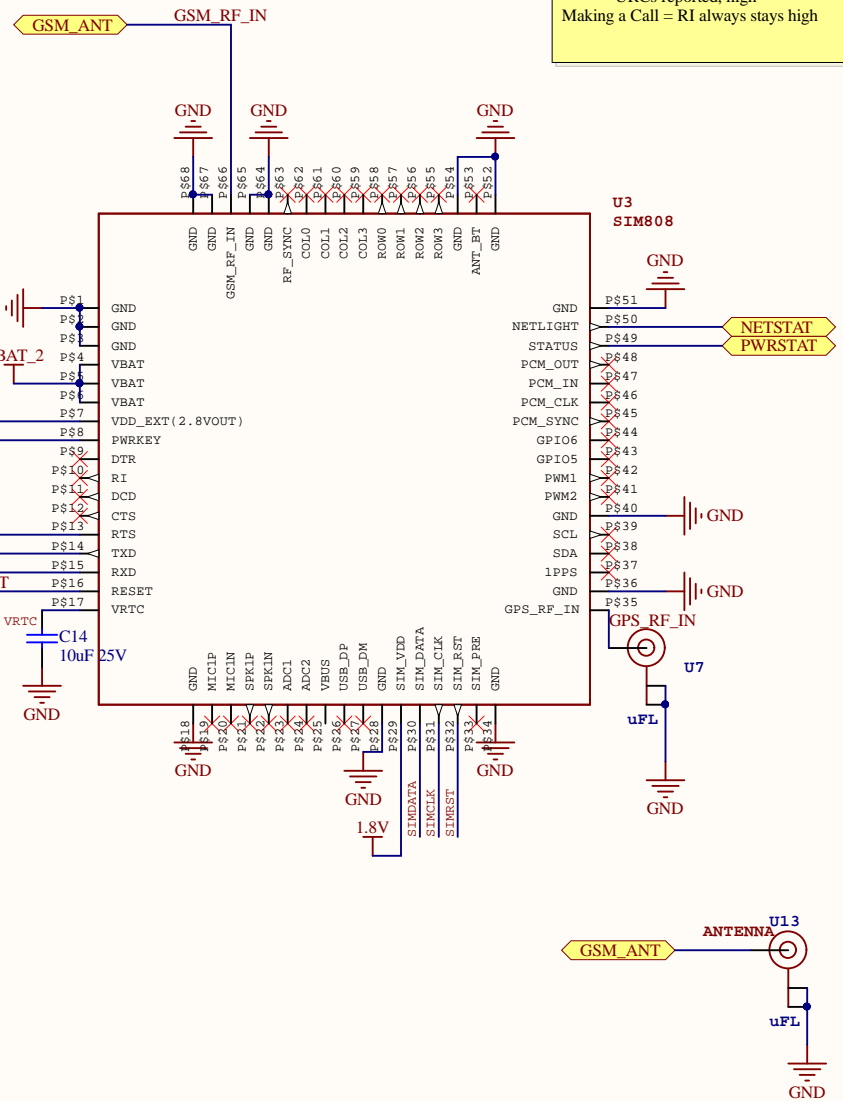
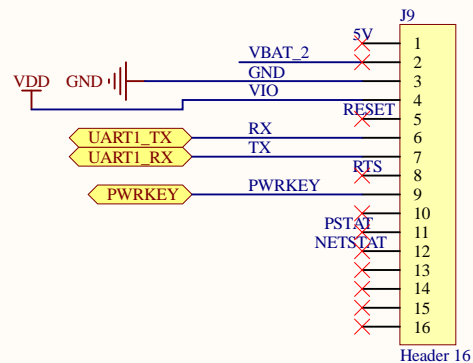
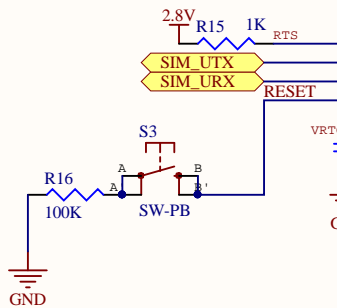
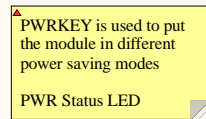
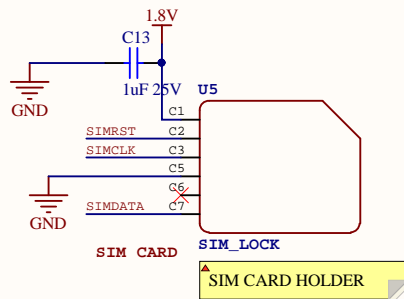
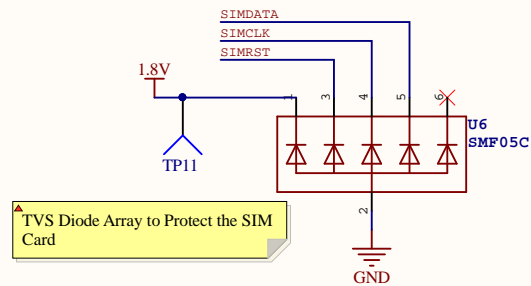


▲ LBSEL,FLOAT1,FLOAT0 = 1,1,1 => To set battery disconnect voltage at 3.20V and battery connect voltage at 3.53V, Float Voltage is 4.2V  
 IPK2,1,0 = 1,0,0 => Current Limit set to 50mA  
 UV3,2,1,0 = 1,0,0,1 => UVLO Rising 12V, UVLO Falling 5V  
 OUT2,1,0 = 1,0,0 => VOUT to 3.3V

Title MCU Power Circuit		
Size Letter	Number 1	Revision 0
Date:	11/9/2016	Sheet of 4
File:	Z:\Update I\...\Power Circuit.SchDoc	Drawn By: Shiva And Rishabh



Title			
MCU Main Circuit			
Size	Number	Revision	
Letter	2	0	
Date:	11/9/2016	Sheet of	4
File:	Z:\Update 1\...MCU Main Circuit.SchDoc	Drawn By:	Shiva And Rishabh



- ▲ NC for RI
- UART RI (Ring Indicator) State:
- Standby = High
- Voice Call = Goes low, call is established/caller hangs up goes high
- Data Call = Same as voice call
- SMS = Goes low, stays low 120ms, high
- URC = Goes low, stays low 120ms, URCs reported, high
- Making a Call = RI always stays high

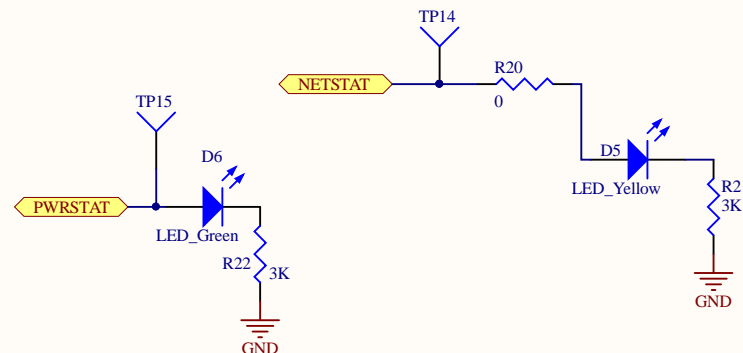
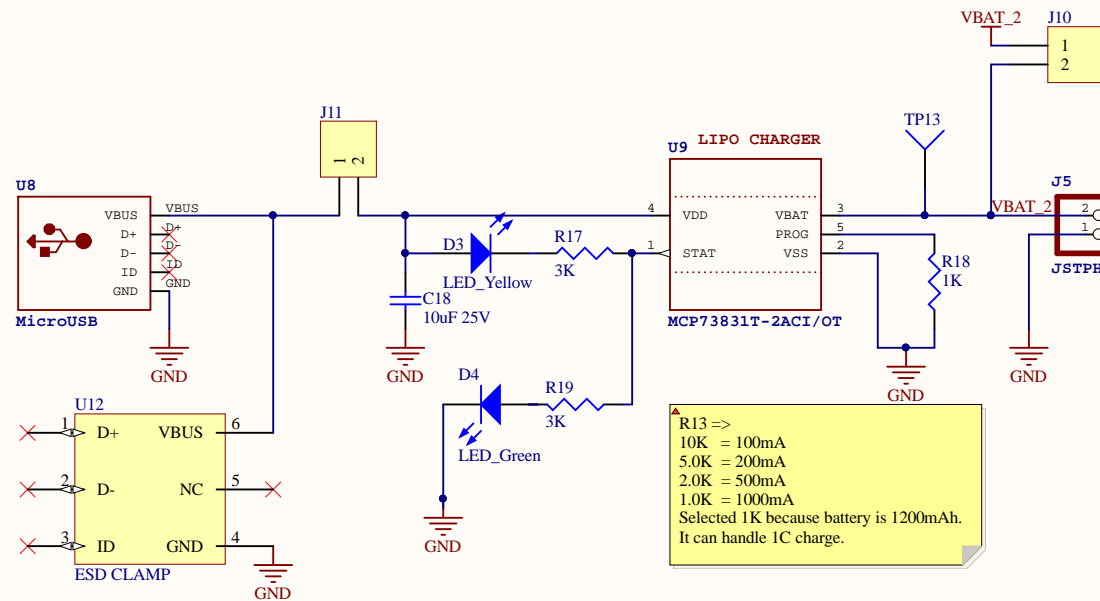
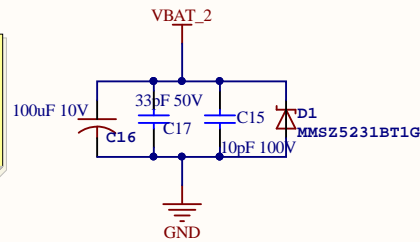
Title <b>SIM808 Main Circuit</b>			
Size	Number		Revision
Letter	3		0
Date:	11/9/2016	Sheet of	4
File:	Z:\Update1\...\SIM808.SchDoc	Drawn By:	Shiva And Rishabh

## POWER DECOUPLING

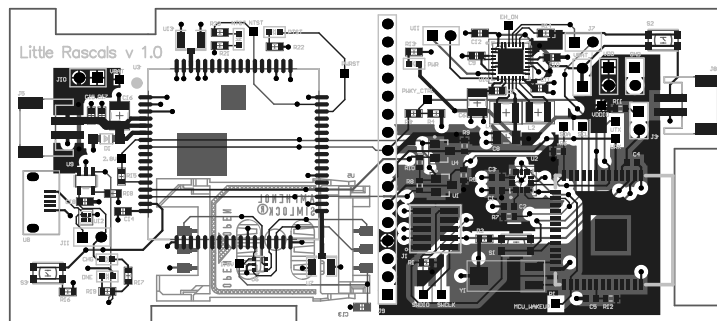
▲ 60mil for PWR trace from VBAT. C6 footprint 1210

Keep the USB charger as close as possible to the C6 and SIM808

Thicker traces for C4, C5



Title SIM808 Power Circuit			
Size Letter	Number 4	Revision 0	
Date:	11/9/2016	Sheet of	4
File:	Z:\Update 1\...\SIM808_Power.SchDoc	Drawn By:	Shiva And Rishabh



Altium Limited  
12a Rodborough Rd  
Frenchs Forest  
NSW 2086

ENGINEER: Shiva and Rishabh		TITLE:  Little Rascals V1 (GPS/GSM based Tracker with BLE)	
PCB DESIGNER: Shiva and Rishabh			
DATE: 10/31/2016	PART NO.: A	REV: 1	
FILE NAME: LR_PCBRev2.PcbDoc	DWG NO:	SCALE:	