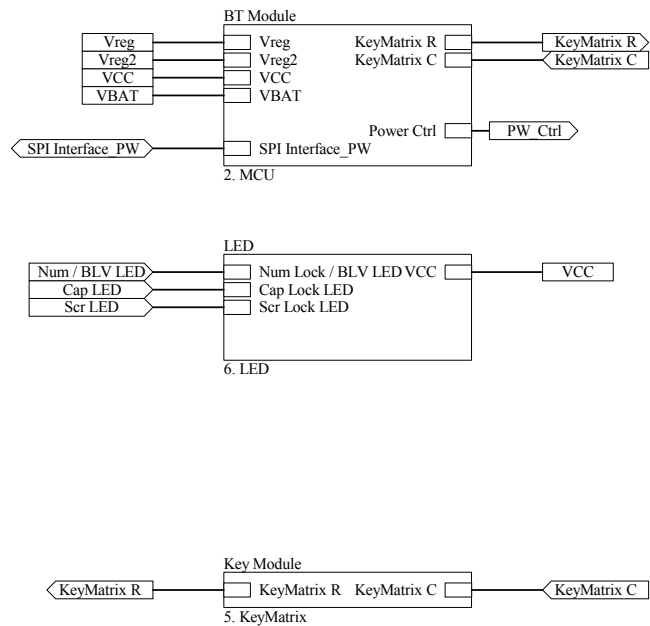
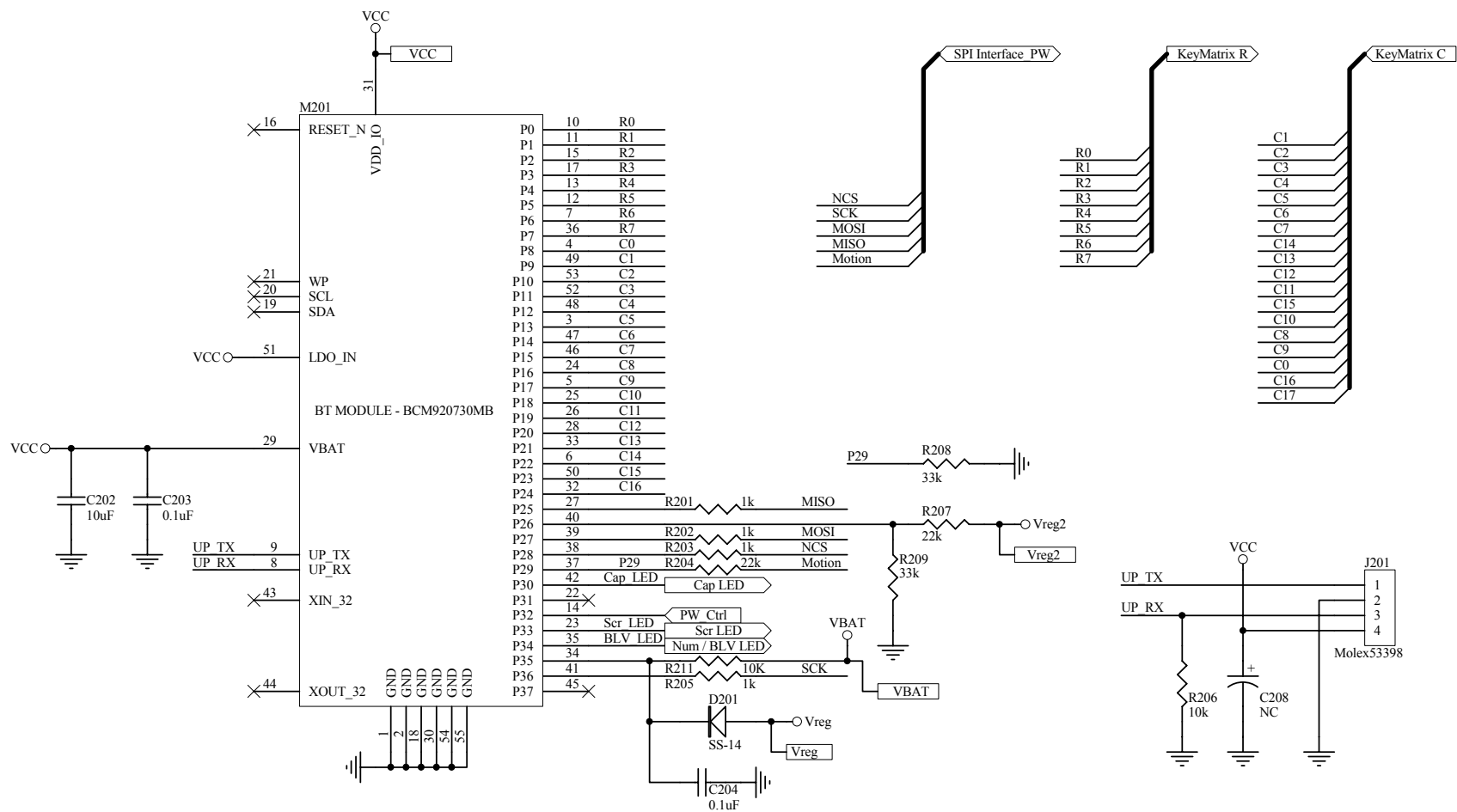
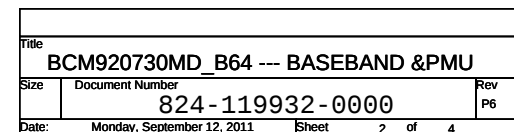


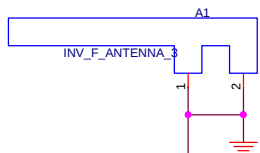
Title		
ZIPPY Technology Corp.		
Size	Number	Revision
A4	BW-601 Main Board	HV1.00
Date:	22-May-2012	
File:	Sheet of	

BT 3.0 Module

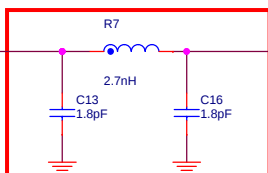


Title		
ZIPPY Technology Corp.		
Size	Number	Revision
A4	BW-601 Main Board	HV1.00
Date:	22-May-2012	Sheet of
File:		

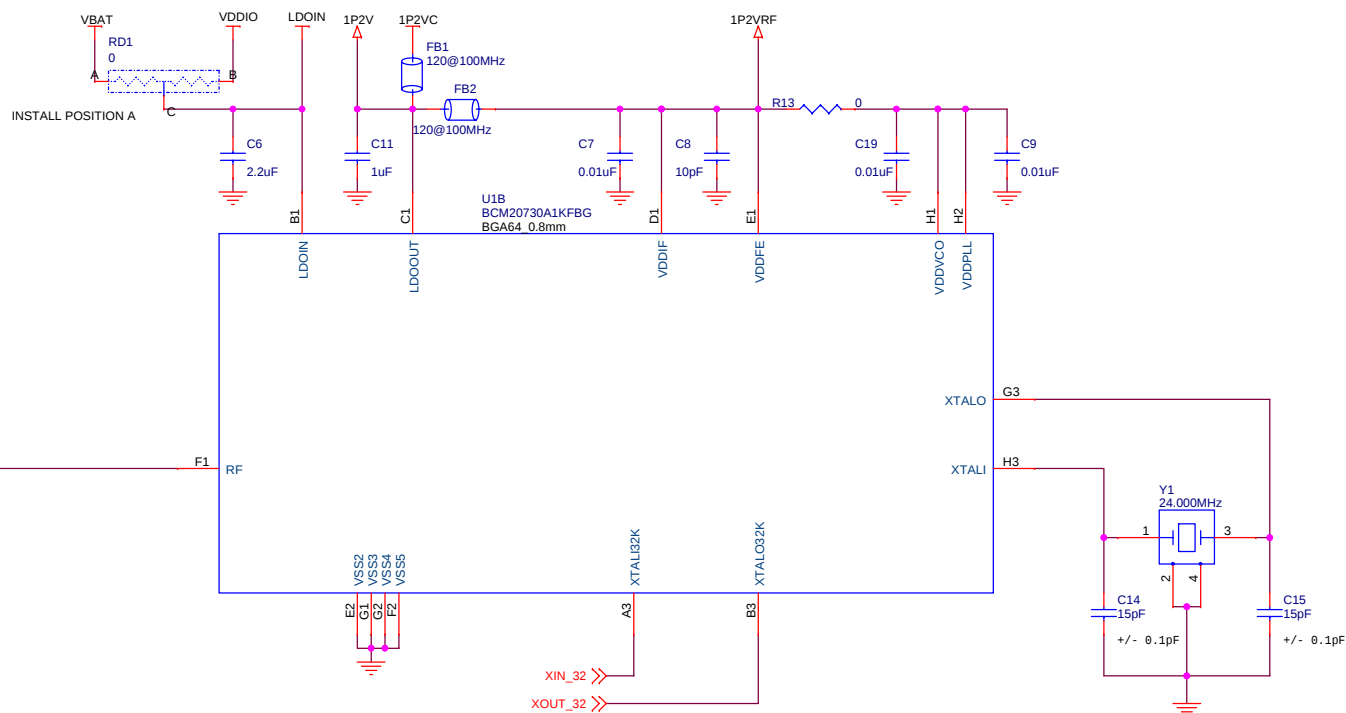




Note:
Antenna matching network.
Please note that the
value on those components
may vary by different
layout and different
housing design.



Note:
"Pi" harmonic filter
for 2nd and 3rd
harmonic



Broadcom Proprietary & Confidential

Title		
BCM920730MD_B64 --- RF		
Size	Document Number	Rev
	824-119932-0000	P6
Date:	Monday, September 12, 2011	Sheet 3 of 4

[illegible]

Battery IN

The schematic diagram illustrates the power supply circuit for the Battery IN. It is divided into three main sections: Power Input, Voltage Regulation, and DC-DC Conversion.

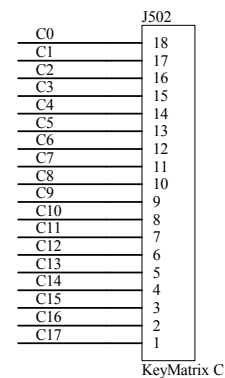
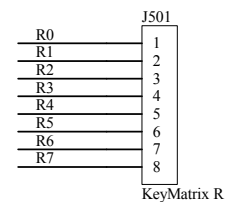
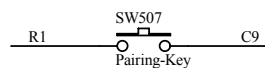
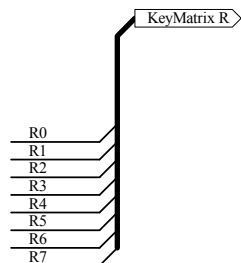
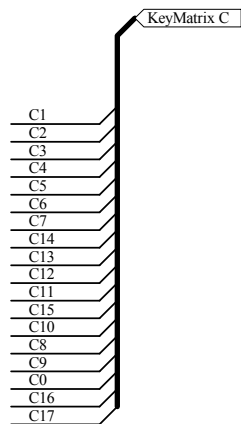
Power Input Section: A BT401 BATTERY is connected to a Power SW. The Power SW is controlled by a signal from the S401 pin. A 1.5k resistor (R401) is connected between the Power SW and ground.

Voltage Regulation Section: The output of the Power SW is connected to the S (Source) pin of a G2301 MOSFET (Q401). The D (Drain) pin of Q401 is connected to the VBAT pin. The G (Gate) pin of Q401 is connected to a Vreg2 pin, which is also connected to a 100k resistor (R405) and ground.

DC-DC Conversion Section: The VBAT pin is connected to the input of an A7530E5R-30 DC-DC converter (U401). The input is filtered by a 47uF capacitor (C401) and a 0.47uF capacitor (C402). The output of U401 is connected to the Lx pin, which is connected to the S (Source) pin of an SS-14 diode (D401). The D (Drain) pin of D401 is connected to the Vreg pin, which is also connected to a 4.7uF capacitor (C404) and ground. The Vreg pin is connected to the VCC pin. The VCC pin is connected to a 4.7uF capacitor (C403) and ground. The VCC pin is also connected to a 10M resistor (R402) and a 0R resistor (R403) connected to the PW Ctrl pin.

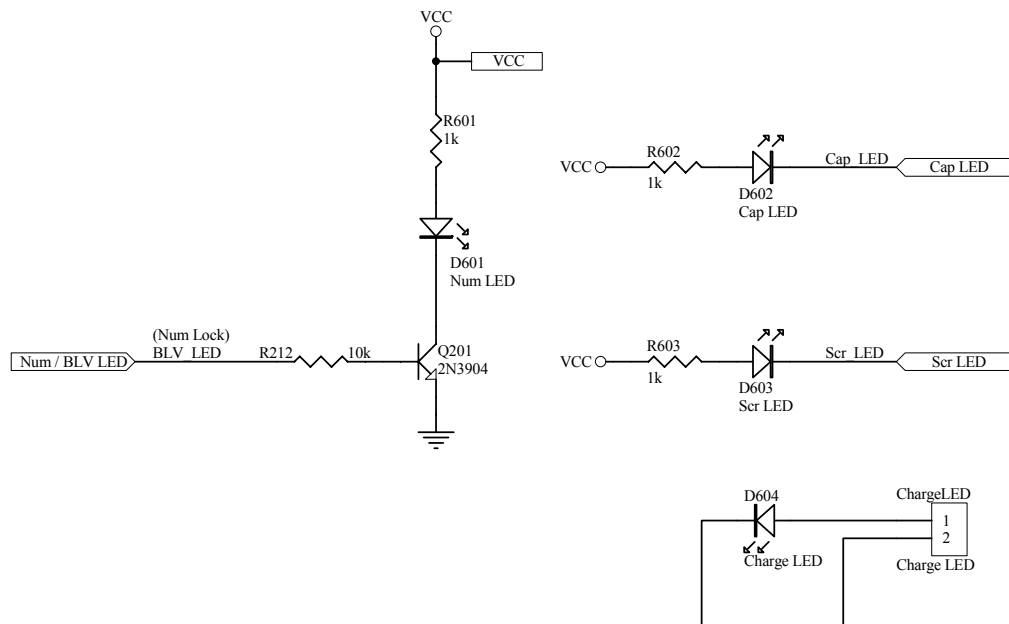
Title			
ZIPPY Technology Corp.			
Size	Number	Revision	
A4	BW-601 Main Board	HV100	
Date:	22-May-2012	Sheet	of
File:			

KeyMatrix



Title		
ZIPPY Technology Corp.		
Size	Number	Revision
A4	BW-601 Main Board	HV1.00
Date:	22-May-2012	Sheet of
File:		

LED



Title		
ZIPPY Technology Corp.		
Size	Number	Revision
A4	BW-601 Main Board	HV1.00
Date:	22-May-2012	Sheet of
File:		