

REVISION HISTORY:

Rev -0000P1

- 1) Initial release, BCM20737, 5x5, 32pin QFN

Rev -0000P2

- 1) U3, Changed to MXIC PN MX25U4033
- 2) RFB1 Changed to 360K
- 3) DNI R60 and R61
- 4) Changed C6 and C7 to 47uF & changed C30 and C31 to 22uF
- 5) Sensors removed: LIS3DSH, LPS331APTR, LSM9DS1, UVIS25 and BH1780GLI-E2
- 6) Sensors added: LPS25HBTR, LIS3MDLTR and LSM6DS3
- 7) Change Q3 from PMZB290UN to PBSS3540M

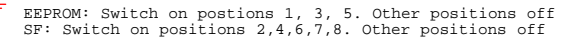
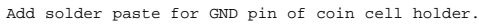
Rev -0000P3

- 1) Changed PUART_TX to P24, PUART_RX to P25
- 2) Added strapping options on the SDO pins of P10, P15 and P16
- 3) Added R66 - Option to pull P0 high by default



Broadcom Proprietary & Confidential

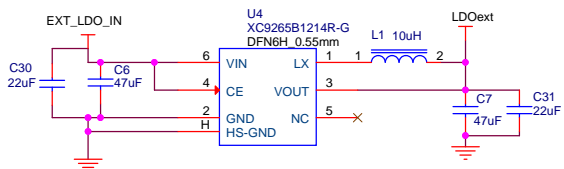
Title			BCM920737_LE_TAG4 --- Cover Page
Size	Document Number	Rev	
	824-128343-0000	03	
Date:	Friday, August 14, 2015	Sheet	1 of 5



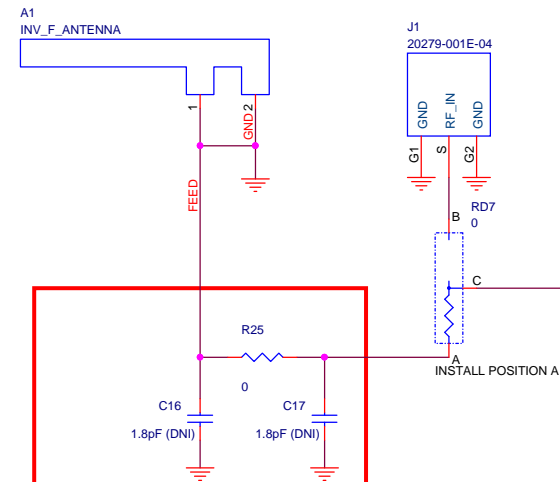
SERIAL FLASH

Title				
BCM920737_LE_TAG4-- BASEBAND				
Size	Document Number			Rev
	824-128343-0000			03
Date:	Wednesday, August 12, 2015		Sheet	2 of 5

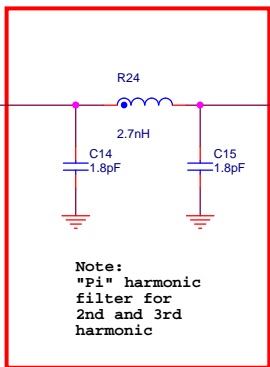
VDDC and VDDRF can come from internal LDO or external LDO
 internal LDO: RD6=BC, RD5=BC
 external LDO: RD6=AC, RD5=AC



Layout note: use antenna from 200-121921-0000 P1

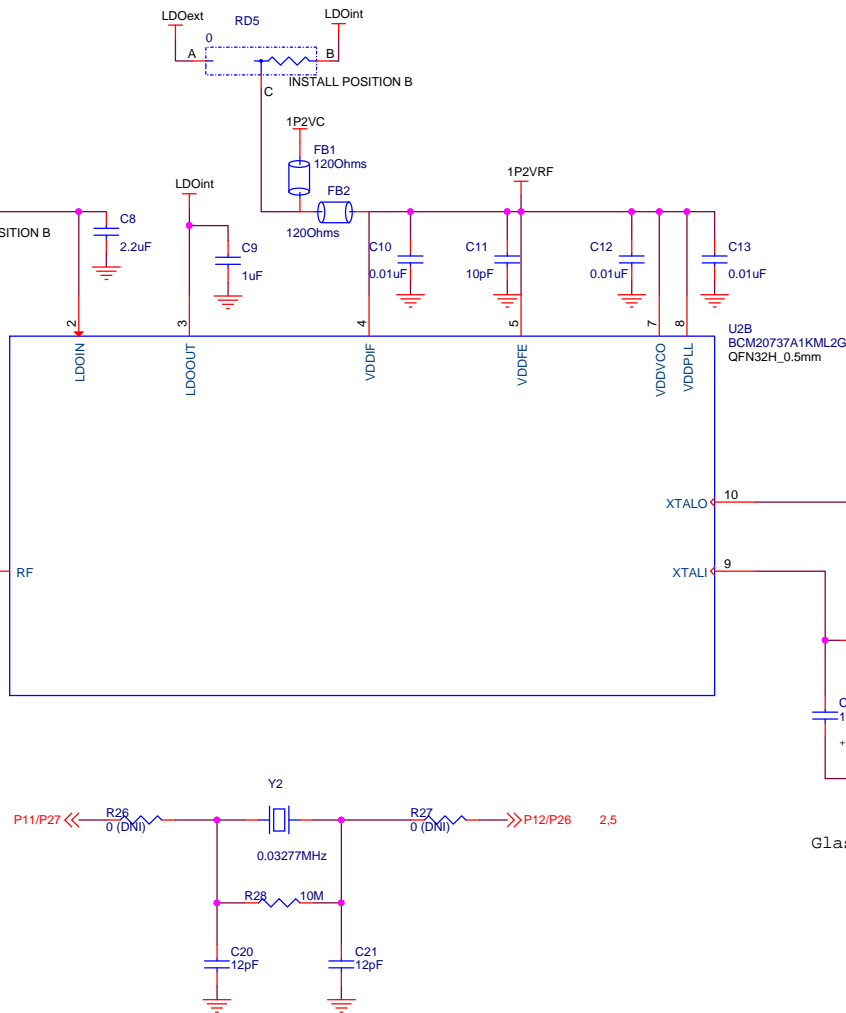


Note:
 Antenna matching network.
 Please note that the
 value on those components
 may vary by different
 layout and different
 housing design.



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

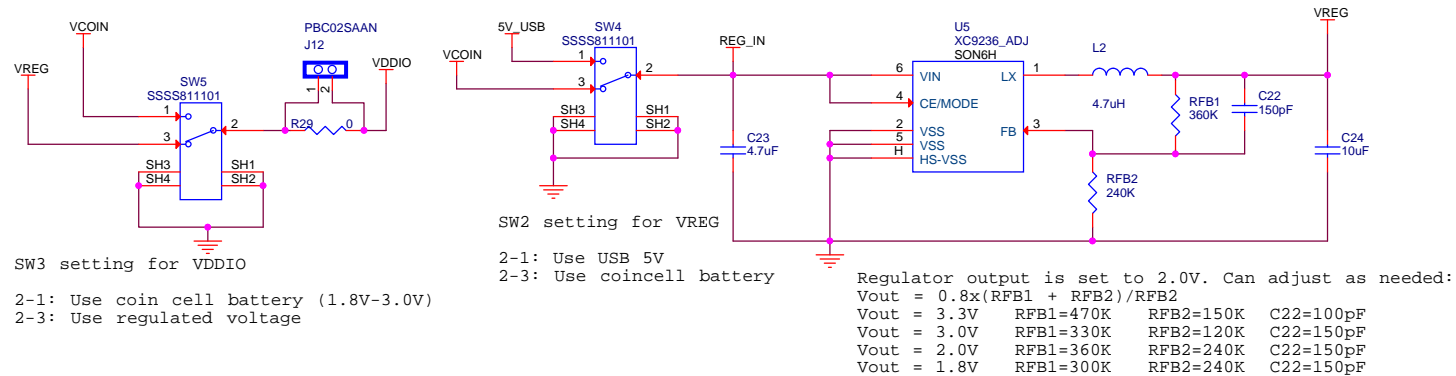
Broadcom Proprietary & Confidential



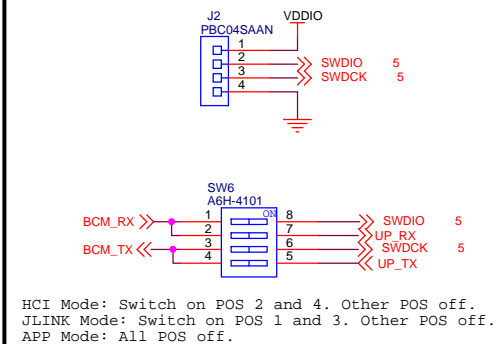
Glass XTAL 3.2x2.5

Title		
BCM920737_LE_TAG4 --- RF		
Size	Document Number	Rev
	824-128343-0000	03
Date:	Tuesday, August 11, 2015	Sheet 3 of 5

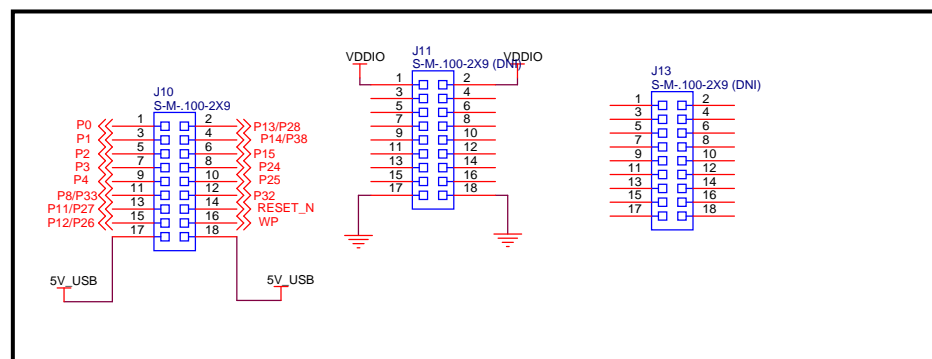
POWER



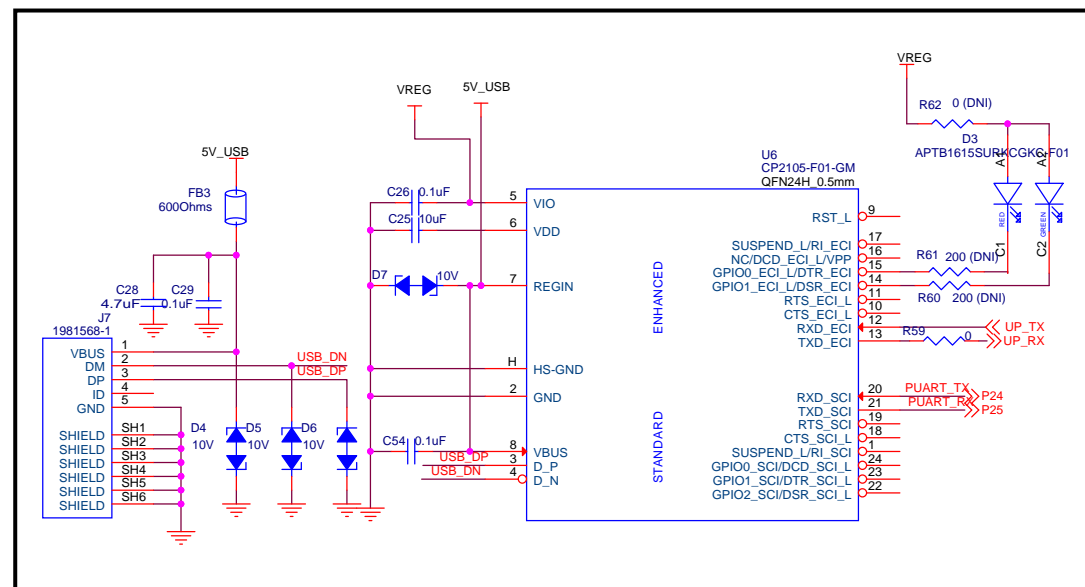
JLINK DEBUG



GPIO HEADERS

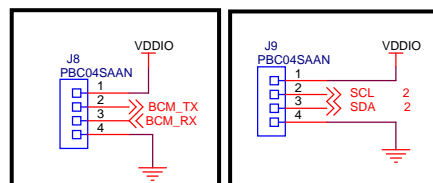


USB TO UART



UART HEADER

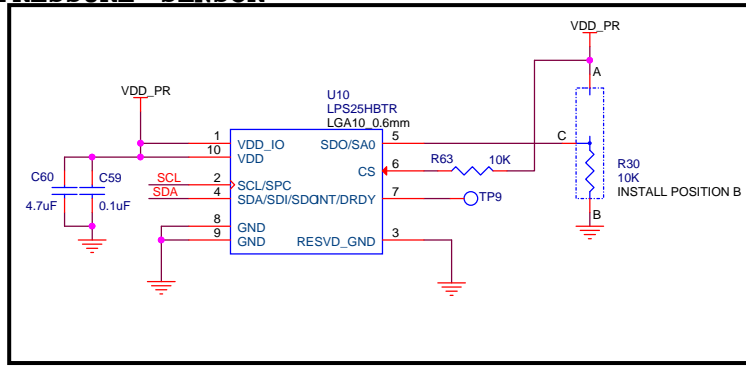
I2C HEADER



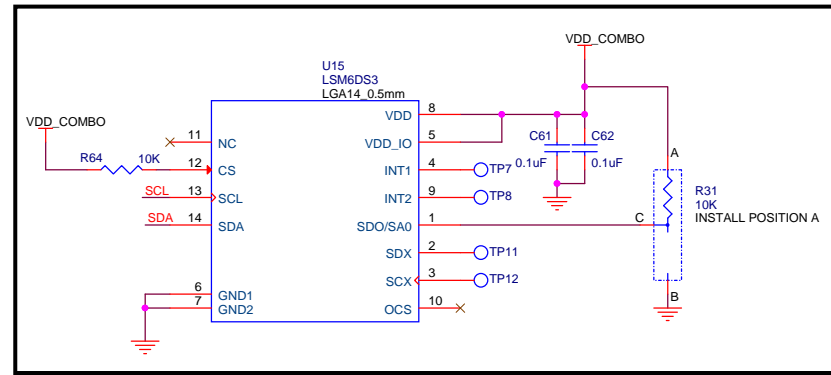
Broadcom Proprietary & Confidential

Title BCM920737_LE_TAG4 --- INTERFACE		
Size	Document Number	Rev
	824-128343-0000	03
Date:	Tuesday, August 11, 2015	Sheet 4 of 5

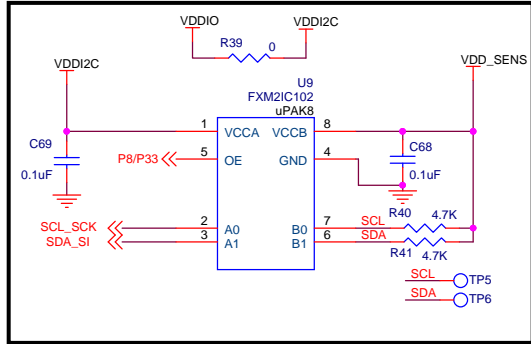
PRESSURE SENSOR



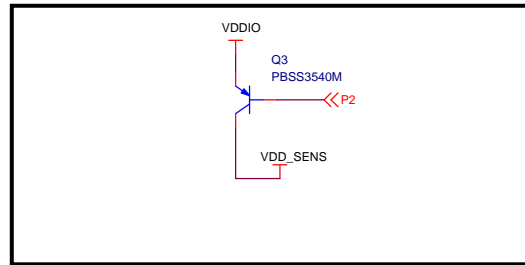
ACCELEROMETER + GYROSCOPE COMBO



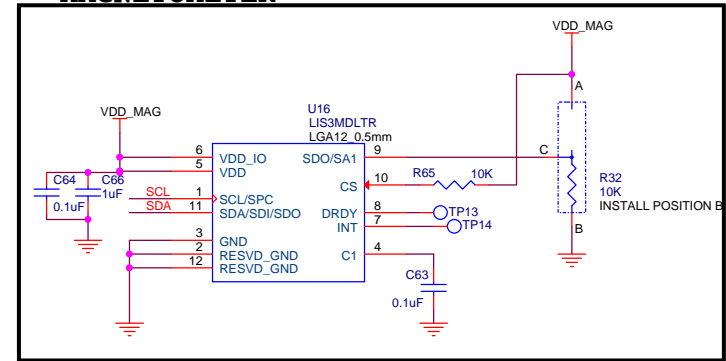
I2C EXPANDER



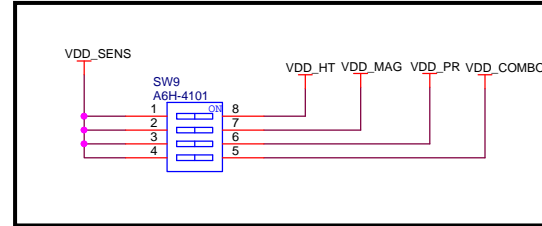
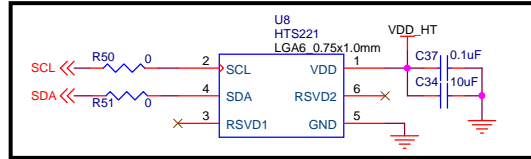
FET TO SWITCH OFF SENSORS



MAGNETOMETER



HUMIDITY & TEMPERATURE



Broadcom Proprietary & Confidential

Title			BCM920737_LE_TAG4 --- INTERFACE
Size	Document Number	Rev	
	824-128343-0000	03	
Date:	Tuesday, August 11, 2015	Sheet	5 of 5