


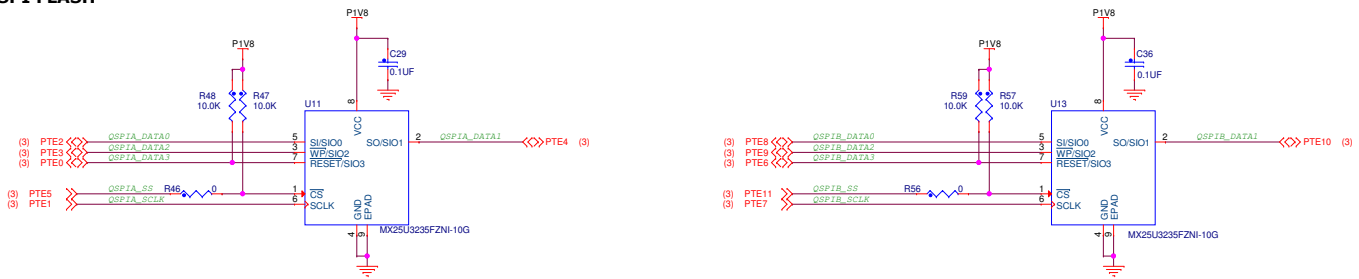
Contents	
5	QSPI & SENSORS & Misc
6	I/O Headers & Power Supply

Revisions & Change Log			
Rev	Description	Date	Approved
X1	Initial Draft	Feb 11, 2015	
A	Release	Mar 03, 2015	
A1	Change U16 to K80F Update the 5 changed signals of pins U16.26:30	Mar 14, 2015	Eric P.
B	Replace U16 with K82F. Replace J12 with 2x9 header. DNP D8 and R64. Swapped connections at J4.11 and J3.5	Jun 16, 2015	Jorge R
B1	Replace MK82FN256CLL15 with MK82FN256VLL15.	Jul 13, 2015	Jorge R
B2	DNP BT1	Aug 18, 2015	Jorge R

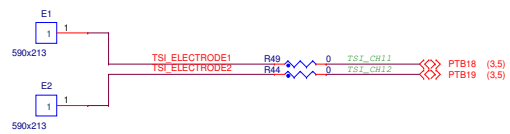
FREEDOM K82F

		Microcontroller Product Group 6501 William Cannon Drive West Austin, TX 78735-8598	
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Approved:	Size C	Document Number SCH-28748 PDF: SPF-28748	Rev B2
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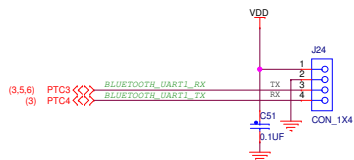
QSPI FLASH



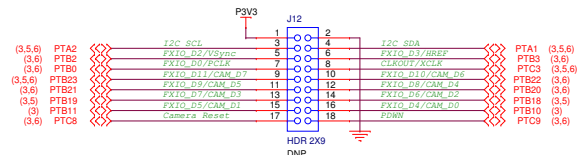
TSI TOUCH PAD



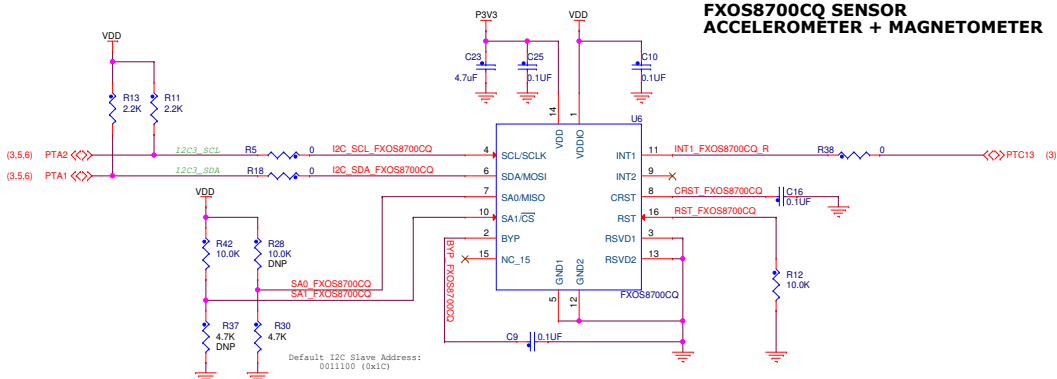
BLUETOOTH HEADER



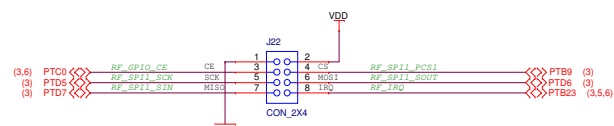
FLEXIO/Camera HEADER

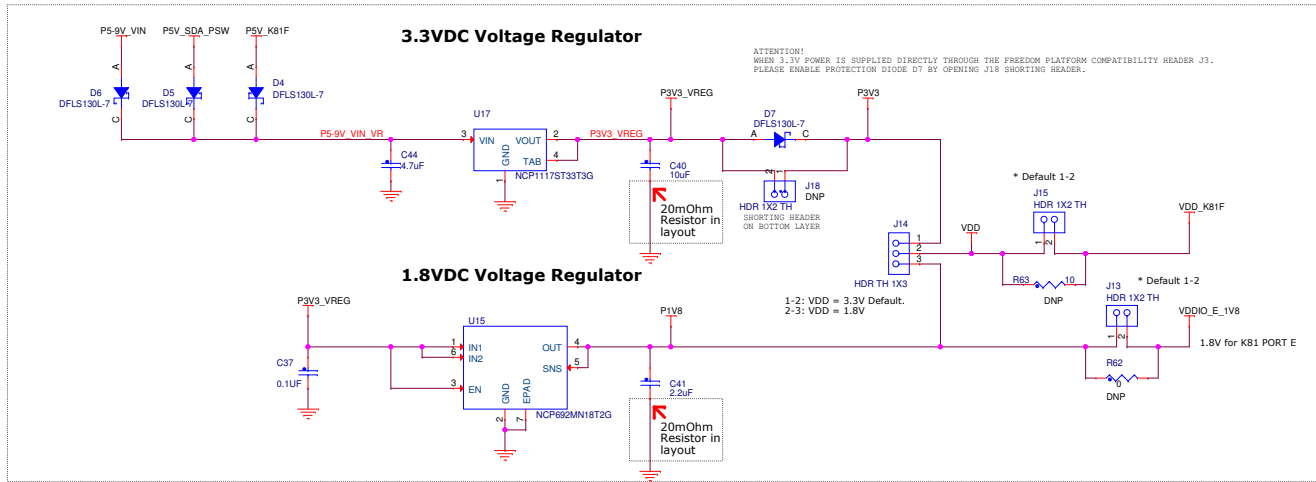


FXOS8700Q SENSOR ACCELEROMETER + MAGNETOMETER

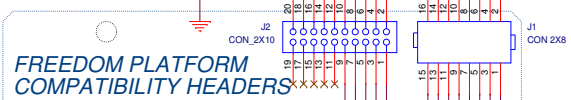


RF HEADER

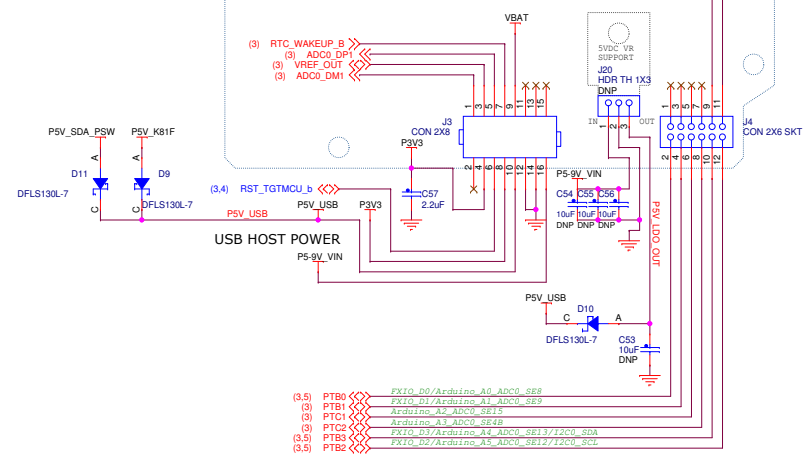
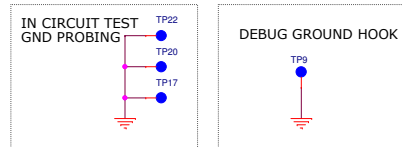




- (3) PTB16 <>> Arduino_D0_UART0_RX
- (3) PTB17 <>> Arduino_D1_UART0_TX
- (3) PTC12 <>> Arduino_D2
- (3) PTD0 <>> Arduino_D4
- (3) PTC1 <>> RGB_BLUE/Arduino_D5
- (3) PTC10 <>> RGB_RED/Arduino_D6
- (3.5) PTC8 <>> RGB_GREEN/Arduino_D7
- (3.5) PTC9 <>> BLUETOOTH_UART1_RX/Arduino_D8
- (3.5) PTC3 <>> Arduino_D9
- (3) PTD <>> Arduino_D10_SPI0_FCS1
- (3) PTD2 <>> Arduino_D11_SPI0_S0M1
- (3) PTD5 <>> Arduino_D12_SPI0_IN
- (3) PTD1 <>> Arduino_D13_SPI0_SCK
- (3) AREF <>> ACCEL_I2C_SDA/Arduino_D14
- (3.5) PTA1 <>> ACCEL_I2C_SCL/Arduino_D15/TRACK_SW
- (3.5) PTA2 <>> ACCEL_I2C_SCL/Arduino_D15/TRACK_SW



- (3.5) PTC0 <>> FXIO_D12
- (3.5) PTC2 <>> FXIO_D14
- (3.5) PTC1 <>> FXIO_D10
- (3.5) PTC20 <>> FXIO_D9
- (3.5.6) PTC20 <>> FXIO_D8
- (3) PTA15 <>> Arduino_I2S_RXD
- (3) PTA16 <>> Arduino_I2S_RX_FS
- (3) PTC7 <>> Arduino_SOP_OUT
- (3) PTA14 <>> Arduino_I2S_RX_BCLK
- (3) PTA13 <>> Arduino_I2S_MCLK
- (3) PTA17 <>> Arduino_I2S_TXD
- (3) PTA12 <>> Arduino_I2S_TX_FS
- (3) PTA18 <>> Arduino_I2S_TX_BCLK
- (3) PTA5 <>> Arduino_I2S_TX_BCLK
- (3) DAC0_OUT <>> Arduino_DAC0_OUT
- (3.5.6) PTC20 <>> Arduino_CMP0_OUT/FXIO_D8



- (3.5) PTC0 <>> FXIO_D0/Arduino_A0_ADC0_SE8
- (3) PTC1 <>> FXIO_D1/Arduino_A1_ADC0_SE9
- (3) PTC2 <>> Arduino_A2_ADC0_SE13
- (3) PTC11 <>> Arduino_A3_ADC0_SE14
- (3) PTC0 <>> FXIO_D3/Arduino_A4_ADC0_SE17/I2C0_SDA
- (3.5) PTC3 <>> FXIO_D5/Arduino_A5_ADC0_SE17/I2C0_SCL
- (3.5) PTC5 <>> FXIO_D7/Arduino_A7_ADC0_SE17/I2C0_SDA
- (3.5) PTC6 <>> FXIO_D8/Arduino_A8_ADC0_SE17/I2C0_SCL

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Page Title: **I/O Headers & PWR Supply**

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