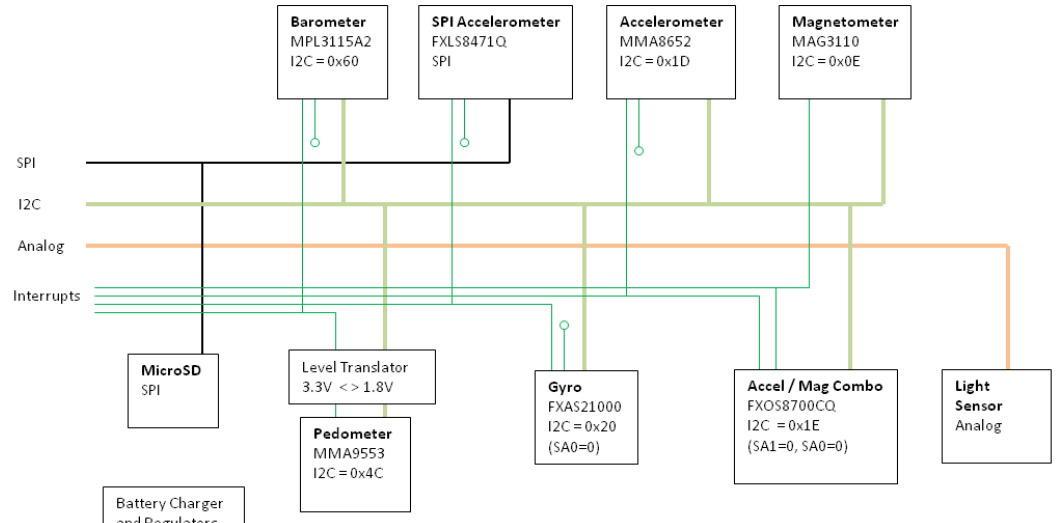


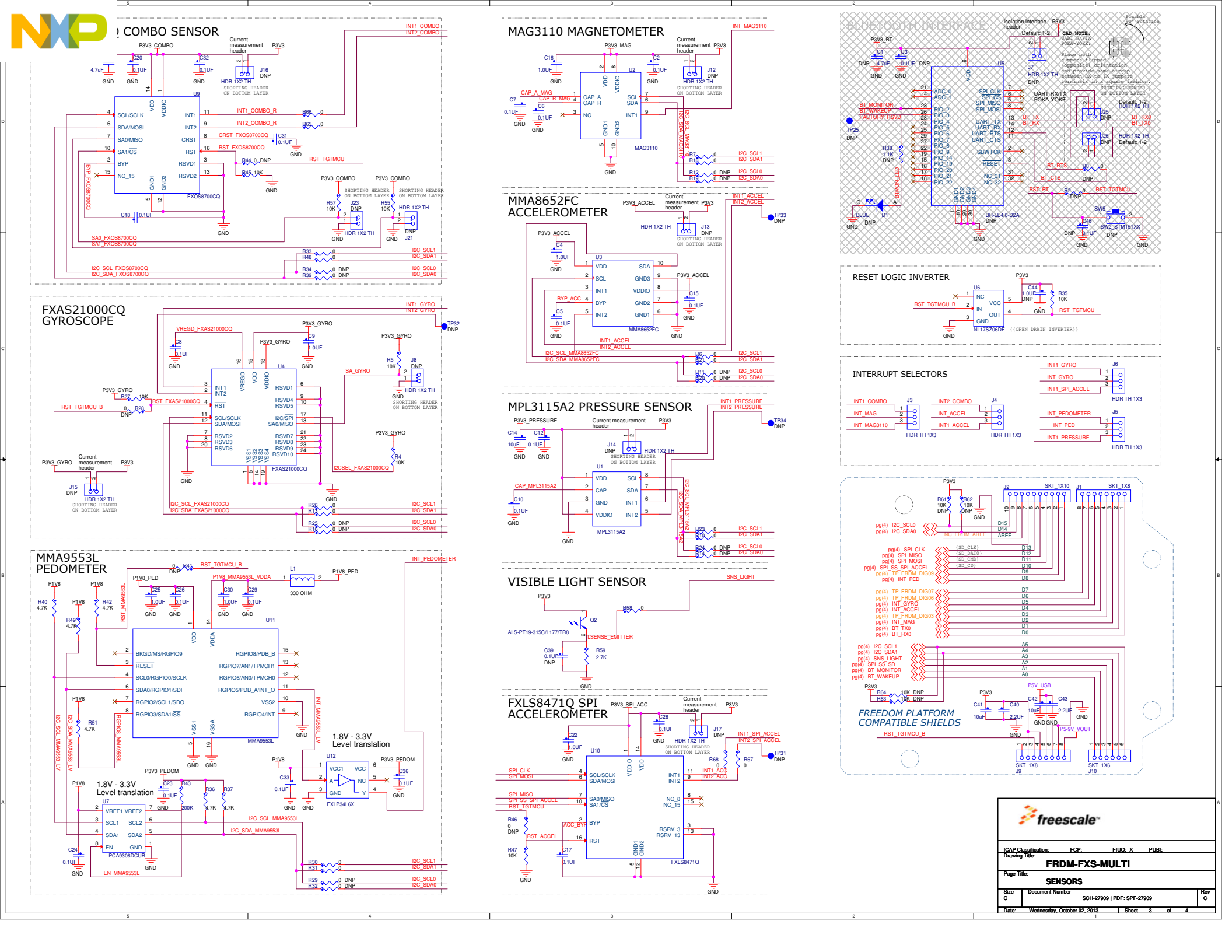
All polarized capacitors are aluminum electrolytic

2. Interrupted lines coded with the same letter or letter combinations are electrically connected.
3. Device type number is for reference only. The number varies with the manufacturer.
4. Special signal usage:
 _B Denotes - Active-Low Signal
 <> or [] Denotes - Vectored Signals
5. Interpret diagram in accordance with American National Standards Institute specifications, current revision, with the exception of logic block symbology.

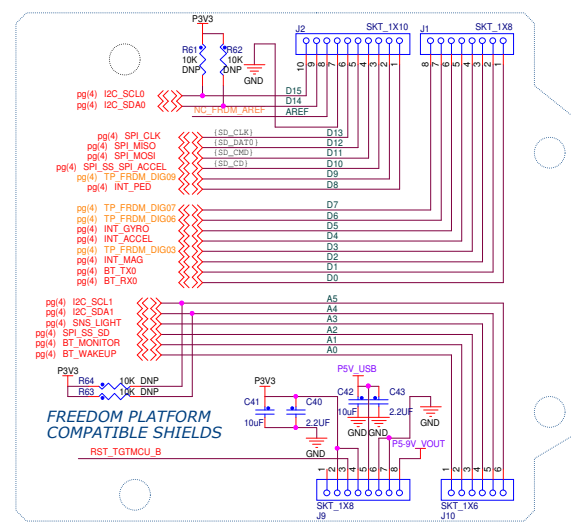
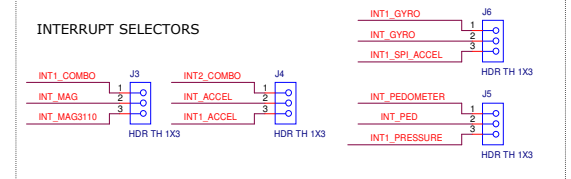
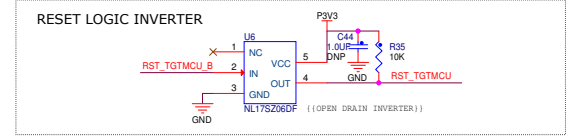
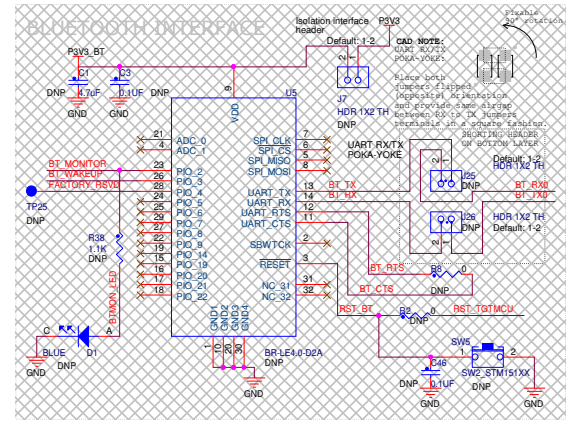
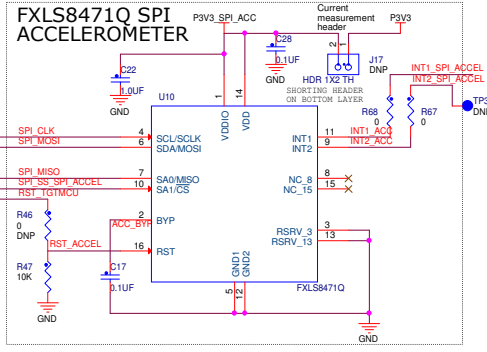
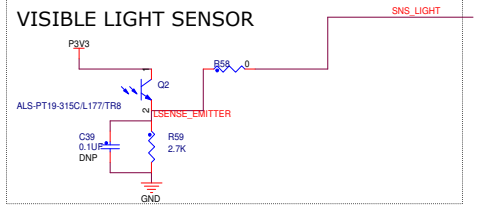
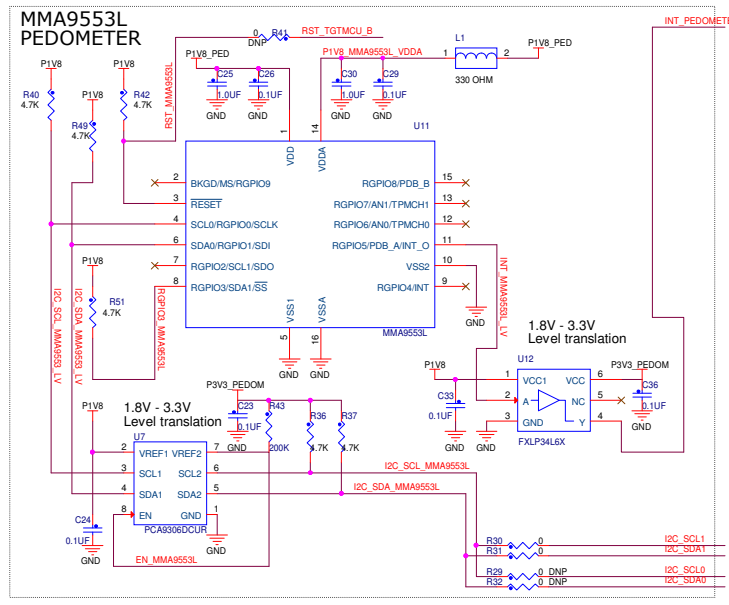
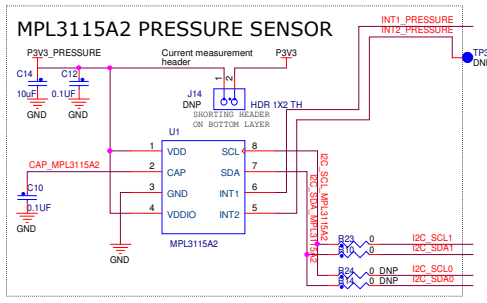
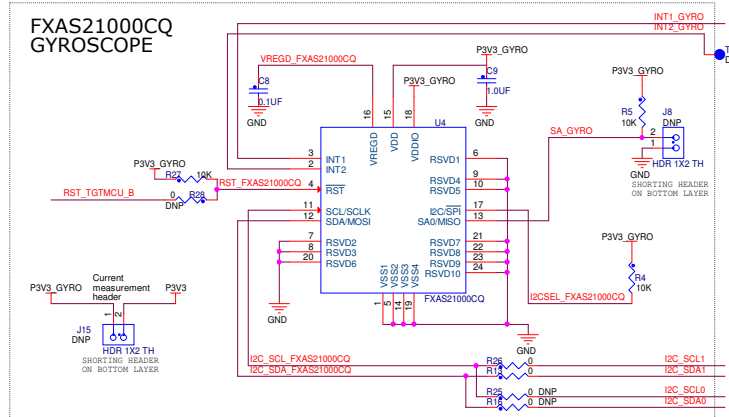
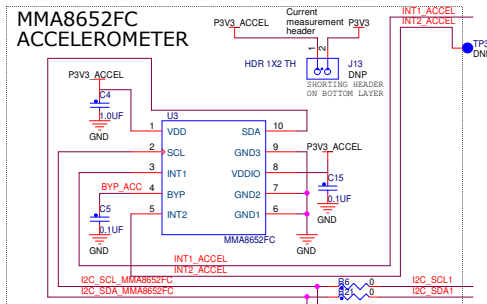
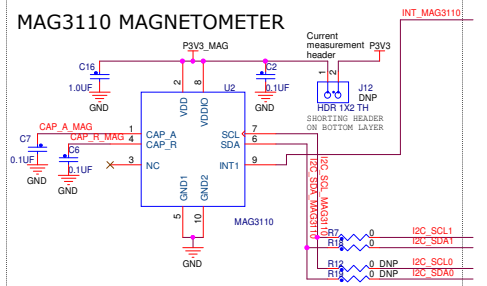
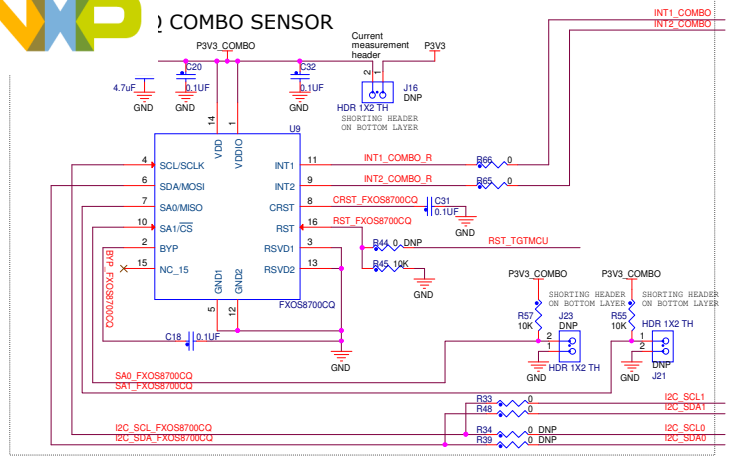
FRDM-FXS-MULTI Block Diagram



Arduino UNO R3 Pinout		
D0 = BlueTooth RX	D8 = Interrupt Pedometer or Pressure 1	A0 = BT_Wakeup
D1 = BlueTooth TX	D9 = test point	A1 = BT_Monitor
D2 = Interrupt Combo 1 or Mag	D10 = SPI_SS_SPI_ACCEL	A2 = SPI_SS_SD
D3 = test point	D11 = SPI_MOSI	A3 = Light Sensor Analog Signal
D4 = Interrupt Combo 2 or Accel 1	D12 = SPI_MISO	A4 = Main I2C Data
D5 = Interrupt Gyro or SPI Accel 1	D13 = SPI_CLK	A5 = Main I2C Clock
D6 = test point	D14 = Optional I2C Data	
D7 = test point	D15 = Optional I2C Clock	



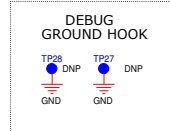
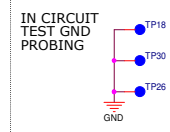
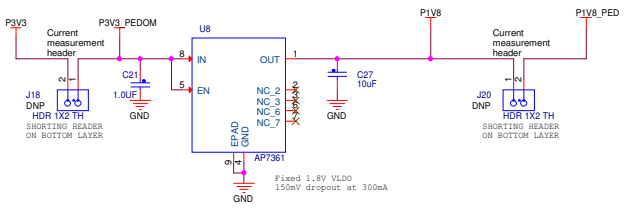
NXP COMBO SENSOR



ICAP Classification: FCP: FIUC: X PUB:			
FRDM-FXS-MULTI			
Page Title: SENSORS			
Size C	Document Number	SCH-27909 PDF: SPF-27909	Rev C
Date:	Wednesday, October 02, 2013	Sheet 3	of 4



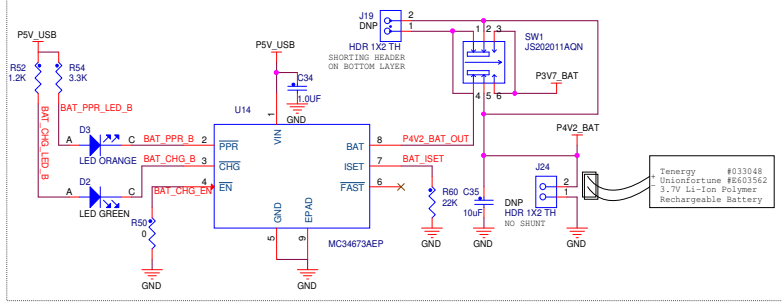
VOLTAGE REGULATION



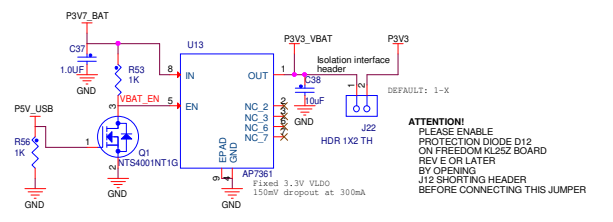
Prototyping Area Heading Signals

pg(3) I2C_SCL0	<<>	I2C_SCL0	D15	TP9
pg(3) I2C_SDA0	<<>	I2C_SDA0	D14	DNP
pg(3,4) SPL_CLK	<<>	SPL_CLK	D13	TP12
pg(3,4) SPI_MISO	<<>	SPI_MISO	D12	DNP
pg(3,4) SPI_MOSI	<<>	SPI_MOSI	D11	TP13
pg(3) SPI_SS_SPI_ACCEL	<<>	SPI_SS_SPI_ACCEL	D10	TP14
pg(3) TP_FRDM_DIG09	<<>	TP_FRDM_DIG09	D9	DNP
pg(3) INT_PED	<<>	INT_PED	D8	TP15
pg(3) TP_FRDM_DIG07	<<>	TP_FRDM_DIG07	D7	DNP
pg(3) TP_FRDM_DIG06	<<>	TP_FRDM_DIG06	D6	TP17
pg(3) INT_GYRO	<<>	INT_GYRO	D5	DNP
pg(3) INT_ACCEL	<<>	INT_ACCEL	D4	TP3
pg(3) TP_FRDM_DIG05	<<>	TP_FRDM_DIG05	D3	DNP
pg(3) INT_MAG	<<>	INT_MAG	D2	TP4
pg(3) BT_TX0	<<>	BT_TX0	D1	DNP
pg(3) BT_RX0	<<>	BT_RX0	D0	TP8
pg(3) I2C_SCL1	<<>	I2C_SCL1	A5	DNP
pg(3) I2C_SDA1	<<>	I2C_SDA1	A4	TP19
pg(3) SNS_LIGHT	<<>	SNS_LIGHT	A3	DNP
pg(3,4) SPI_SS_SD	<<>	SPI_SS_SD	A2	TP29
pg(3) BT_MONITOR	<<>	BT_MONITOR	A1	DNP
pg(3) BT_WAKEUP	<<>	BT_WAKEUP	A0	TP36
				TP11
				DNP

Li-Ion Battery Charger



Battery Regulation



microSD Card Connector, SPI Mode

