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3	Sensors
3	Power Supply, Battery, uSD

Revisions & Change Log			
Rev	Description	Date	Approved
X1	27909 base Initial Draft	03/07/13	J. SCOTT
A	27909 Prototype Release	03/26/13	J. SCOTT
AX1	UD 27982 (BT Version) Under Development	07/16/13	J. SCOTT
AX1	27982 (BT Version) PPL & A070 RELEASE	07/22/13	J. SCOTT
AX2	27982 (BT Version) Block Diagram Update	08/07/13	J. SCOTT
B	27982 (BT Version) Release candidate	08/23/13	J. SCOTT
BX1	27982 (UNDER DEVELOPMENT) I2C swap fix	09/25/13	J. SCOTT
C	27909 Non BT ver. (BOM update per coreid) Release to prod.	10/02/13	J. SCOTT

FRDM-FXS-MULTI



Automotive, Industrial & Multi-Market Solutions Group
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ICAP Classification: FCP: FLK2: PUB: X

Designer:
RAFAEL DEL REY

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FRDM-FXS-MULTI

Drawn by:
RAFAEL DEL REY

Page Title:
TITLE PAGE

Approved:
JAMES SCOTT

Size
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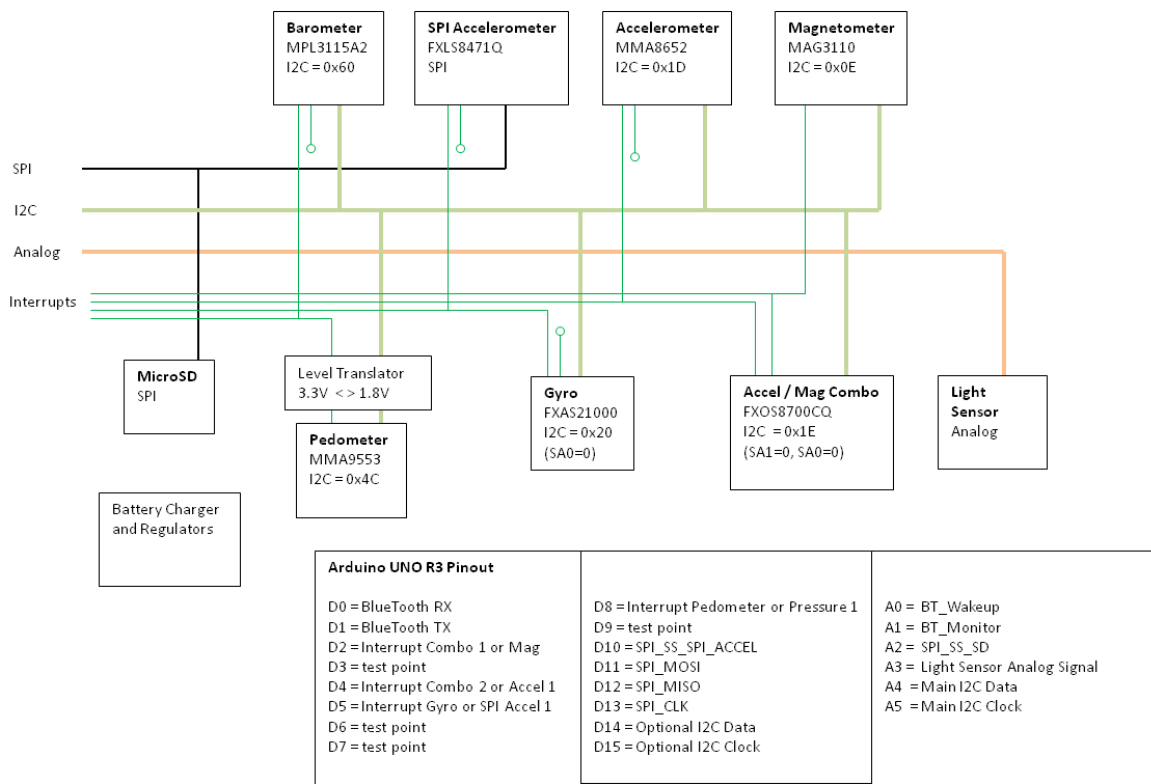
Rev
C

Date: Wednesday, October 02, 2013

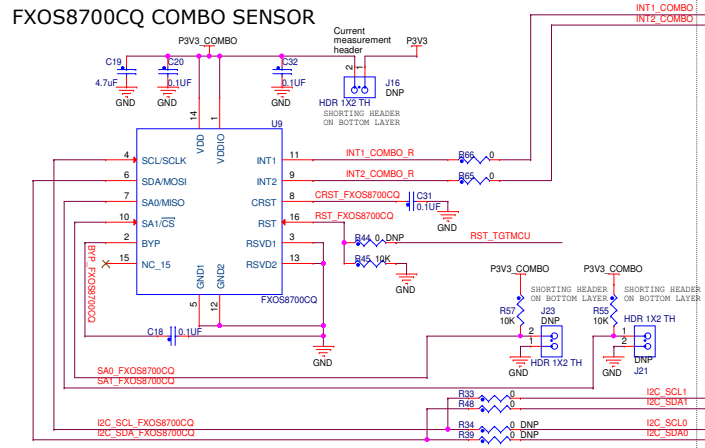
Sheet 1 of 4

- Unless Otherwise Specified:
 - All resistors are in ohms, 5%, 1/8 Watt
 - All capacitors are in uF, 20%, 50V
 - All voltages are DC
 - All polarized capacitors are aluminum electrolytic
- Interrupted lines coded with the same letter or letter combinations are electrically connected.
- Device type number is for reference only. The number varies with the manufacturer.
- Special signal usage:
 - _B Denotes - Active-Low Signal
 - <> or [] Denotes - Vectored Signals
- Interpret diagram in accordance with American National Standards Institute specifications, current revision, with the exception of logic block symbology.

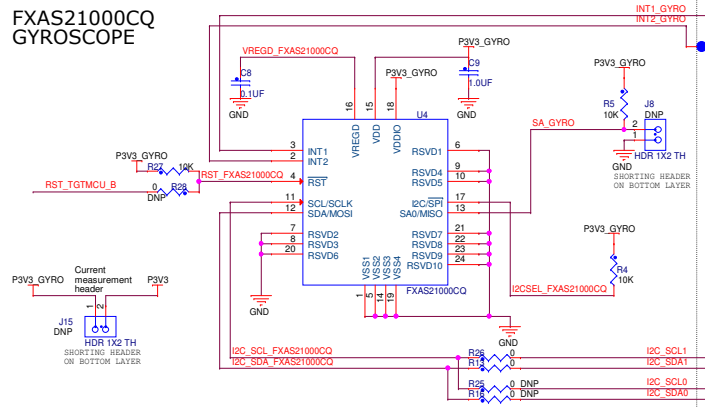
FRDM-FXS-MULTI Block Diagram



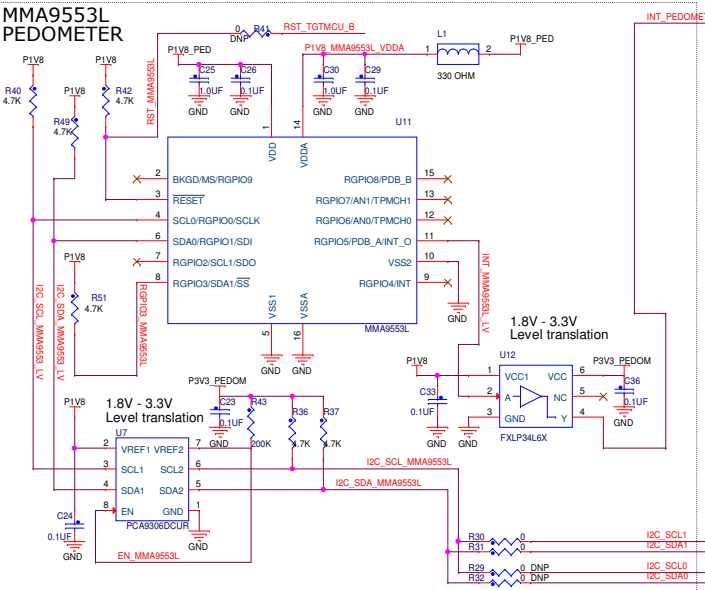
FXOS8700CQ COMBO SENSOR



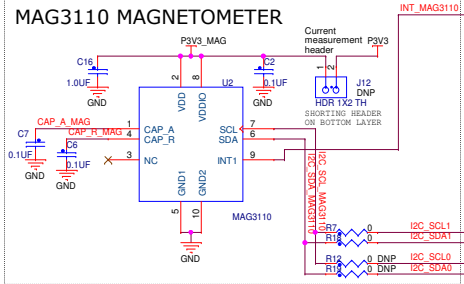
FXAS21000CQ GYROSCOPE



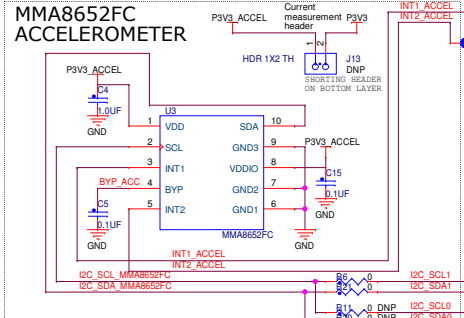
MMA9553L PEDOMETER



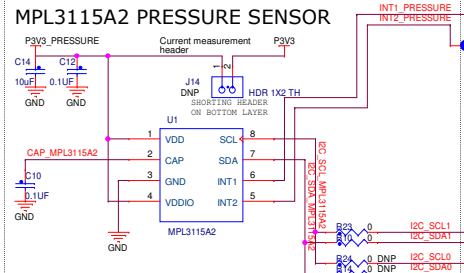
MAG3110 MAGNETOMETER



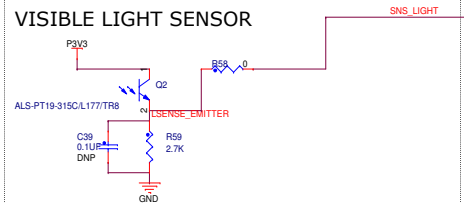
MMA8652FC ACCELEROMETER



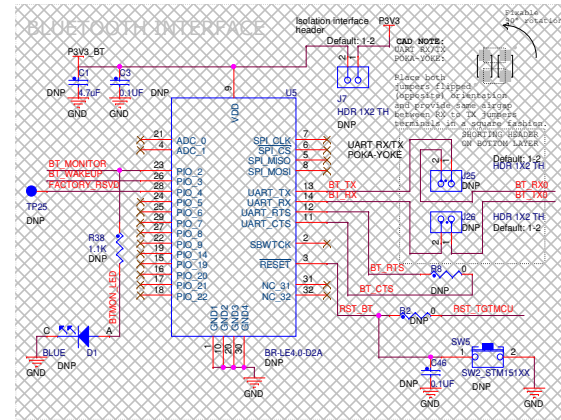
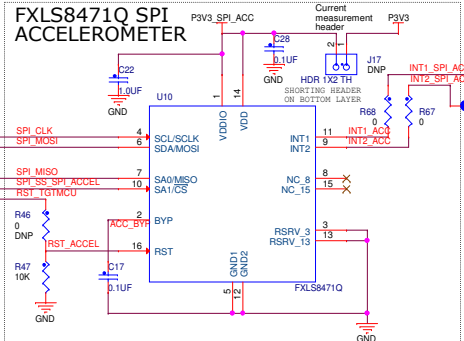
MPL3115A2 PRESSURE SENSOR



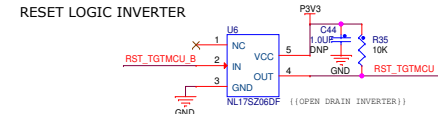
VISIBLE LIGHT SENSOR



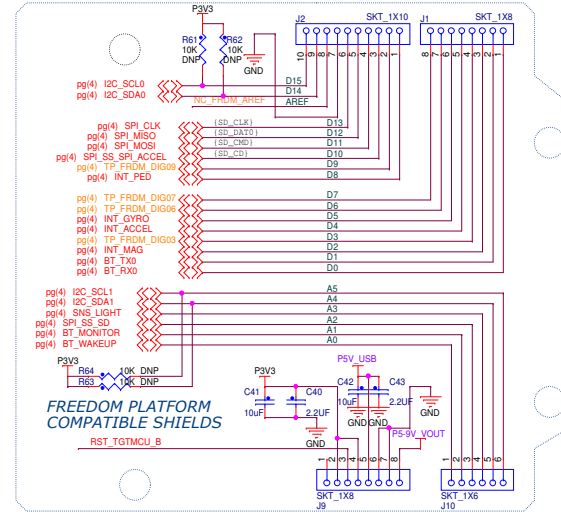
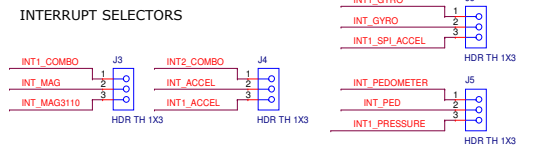
FXLS8471Q SPI ACCELEROMETER



RESET LOGIC INVERTER

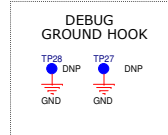
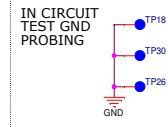
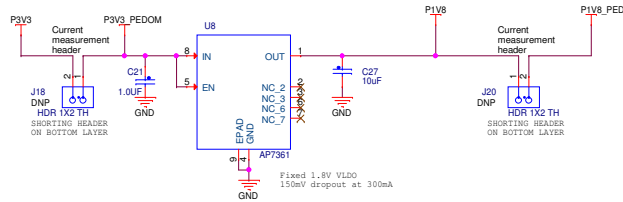


INTERRUPT SELECTORS

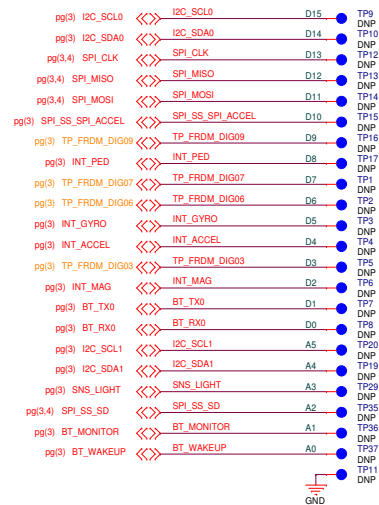


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Drawing Title:	FRDM-FXS-MULTI		
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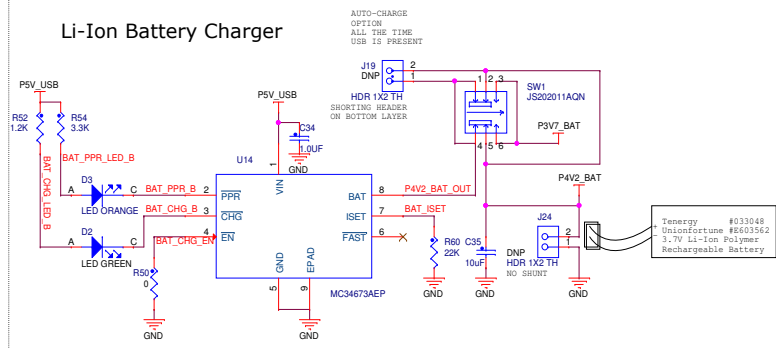
VOLTAGE REGULATION



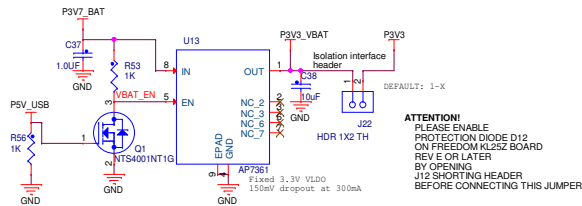
Prototyping Area Heading Signals



Li-Ion Battery Charger



Battery Regulation



microSD Card Connector, SPI Mode

