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Revisions

Rev	Description	Date
A	Release	12-06-2016
B	Update U2 from FXLS8962AF to FXLS8972CF and using footprint DFN_10_0P4_2X2_NSP_A	10-16-2017

FRDM-STBC-AGMP03

RF, Analog & Sensor Group
6501 William Cannon Drive West
Austin, TX 78735-8598

ICAP Classification: CP: IUO: X PUBI:

Designer: Aswin S	Drawing Title: **FRDM-STBC-AGMP03**	
Drawn by:	Page Title: **TITLE PAGE**	
Approved: Team	Size B / Document Number SCH-29427 PDF: SPF-29427	Rev B
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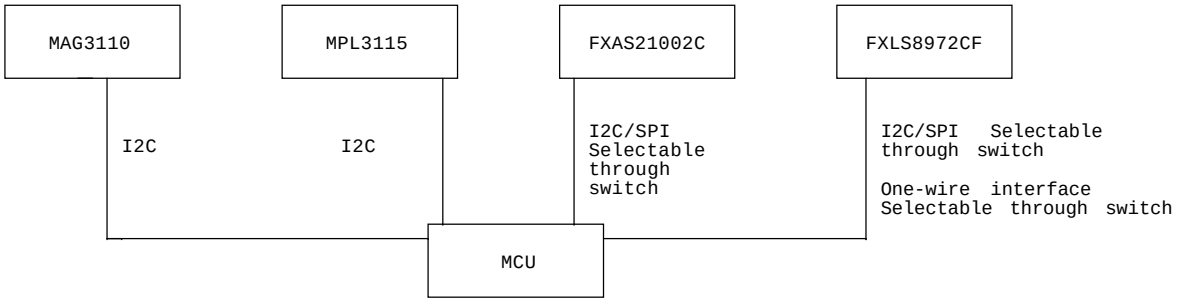
1. Unless Otherwise Specified:
   All resistors are in ohms, 5%, 1/8 Watt
   All capacitors are in uF, 20%, 50V
   All voltages are DC
   All polarized capacitors are aluminum electrolytic

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.



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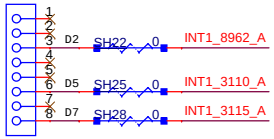
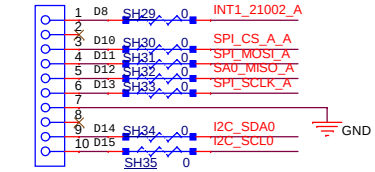
SHIELD BOARD ARDUINO HEADER

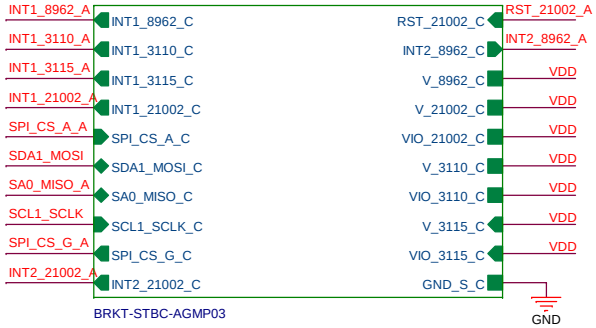
J3 SKT_1X8



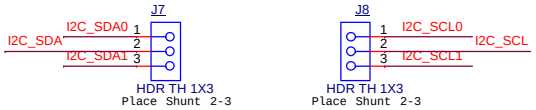


J5 SKT_1X10

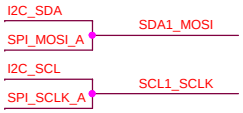
U4



BRKT-STBC-AGMP03

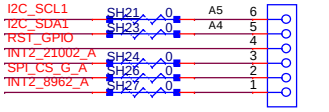


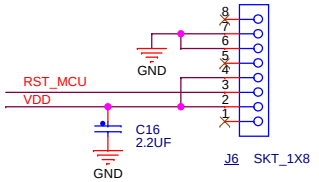
I2C/SPI SHARED PINS



SHIELD BOARD ARDUINO HEADER

J4 SKT_1X6





J6 SKT_1X8

J9

HDR TH 1X3

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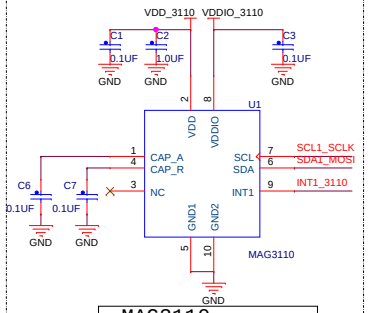
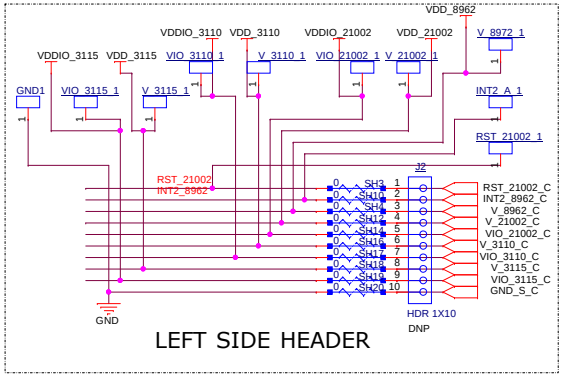
MAG3110 MAGNETIC SENSOR

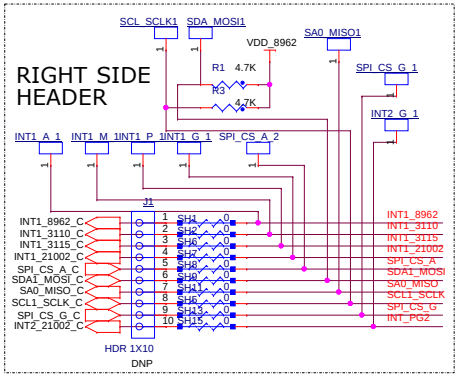


MAG3110
I2C ADDRESS: 0x0E

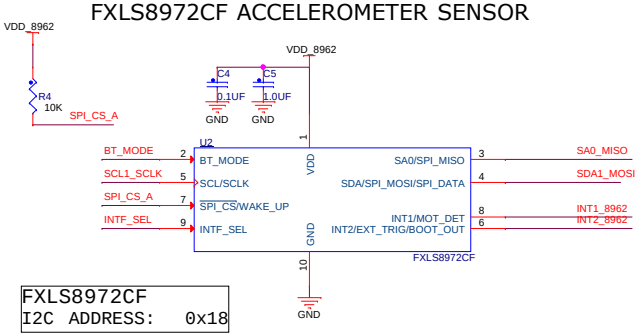
LEFT SIDE HEADER



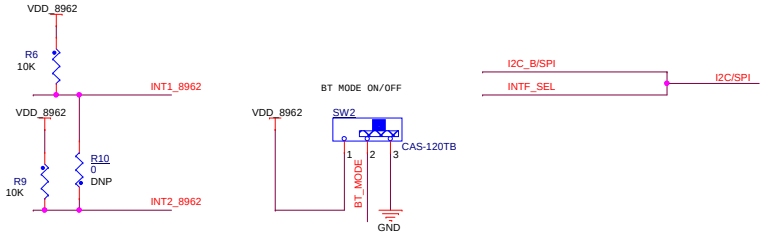
RIGHT SIDE HEADER



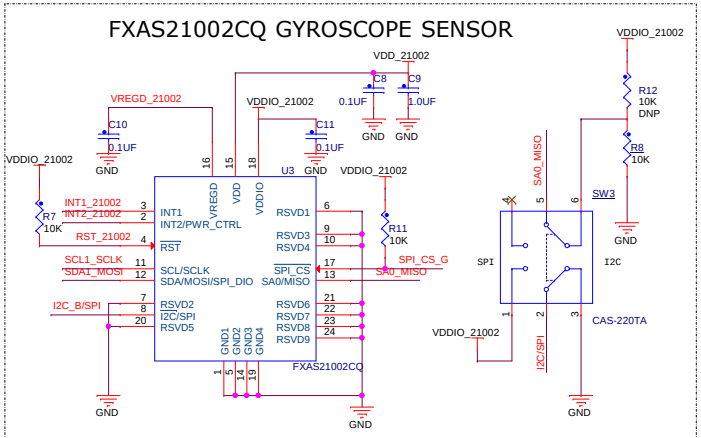
FXLS8972CF ACCELEROMETER SENSOR



FXLS8972CF
I2C ADDRESS: 0x18

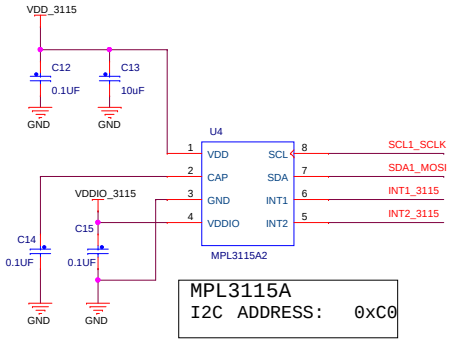


FXAS21002CQ GYROSCOPE SENSOR



FXAS21002CQ
I2C ADDRESS: 0x20 (SA0=0)

MPL3115A PRESSURE SENSOR



MPL3115A
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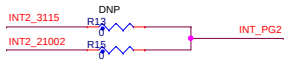

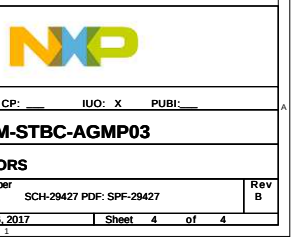

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