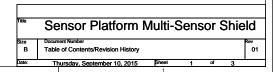
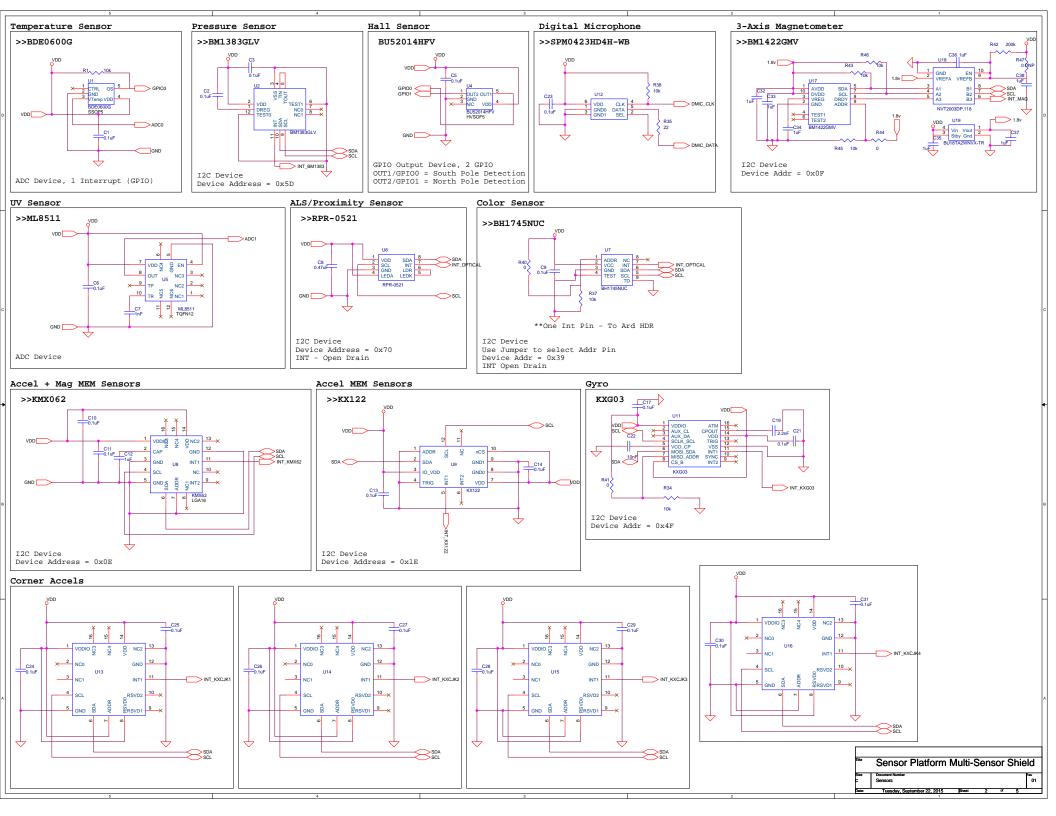
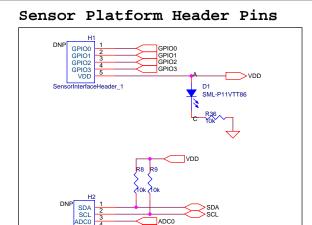
ROHM Sensor Platform MultiSensor Shield

Page	Contents
1	Table of Contents/Revision History
2	Connection Interfaces
3	Sensors

Rev	Contents			
01	Starting Schematic	1-12-2015		
	Added interfaces, ROHM RGB, pressure and MEMS	2-13-2015		
	Added KXG03 Gyro	4-14-2015		
	Pulled in NXP Feedback	4-28-2015		
	Added corner accels	5-13-2015		
02	Removed J12 with R40 (B	red J12 with R40 (BH1745NUC)		
	Shorted NC2 to GND (All Corner Accels)			
	All Corner Accels)			
	Removed J5 to J11 Control Header Pins			
	Changed H1,H2,H3,H8,H9 to DNP			
	Added 3-Axis Magnetorme	eter (BM1422GMV)		
	Added Level-Shifter/LDO for Mag			
		9-11-2015		







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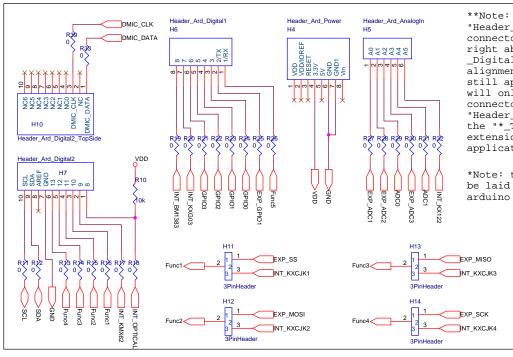
ADC1 GND SensorInterfaceHeader_2

> SensCtrl0 SensCtrl1 SensCtrl2

SensCtrl3 SensCtrl4

SensCtrl5 SensorInterfaceHeader 3

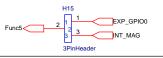
Common Platform Header Pins (Shield Layout)



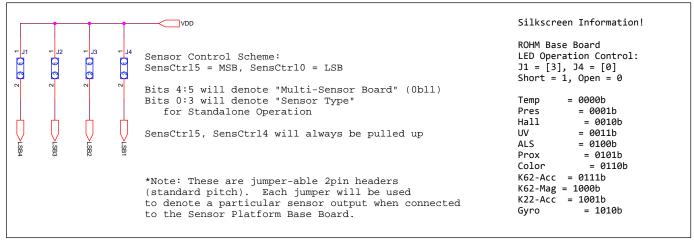
"Header_Ard_Digital2_TopSide" connector needs to be placed right above "Header_Ard _Digital2" connector. Pin1 alignment and 2.54mm spacing still applies. Typical shield will only contain the header connector that matches "Header_Ard _Digital2", and that the "*_TopSide" header is only extension used with certian applications. H10 is DNP

*Note: these headers should be laid out by matching the arduino header specification.

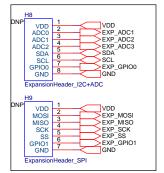
> H4, H5, H6, H7 is to be used with the Stackable Headers SSA-132-W-T (32p) breakable



Sensor Platform Control Header Pins (For Standalone Mode)



Expansion Headers



Sensor Platform Multi-Sensor Shield						
Size	Document Number		Rev			
В	Connection Interface		01			
Date:	Thursday, September 10, 2015 Sheet 3 of	3	•			