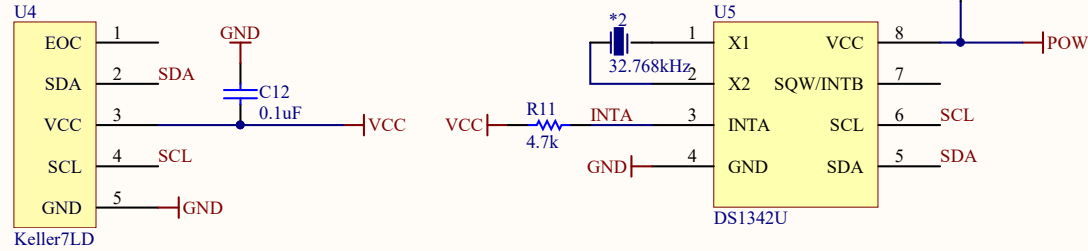
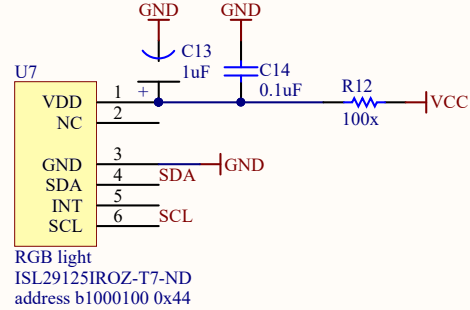
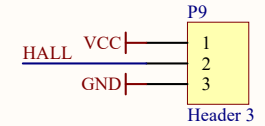




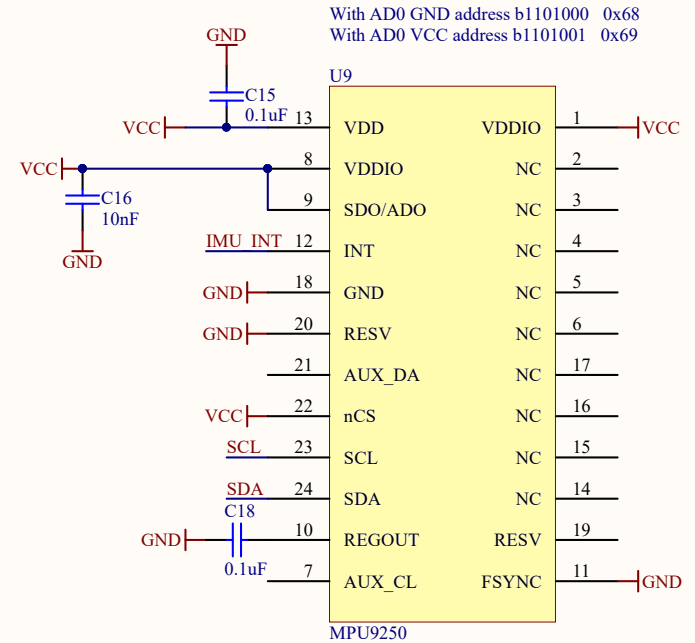
address b10101100 0xAC



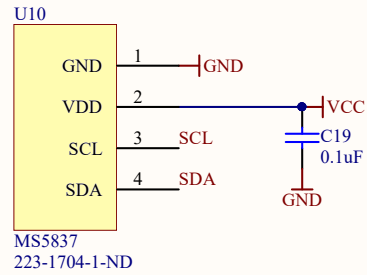
Hall Sensor: Si7204-B-00-FV



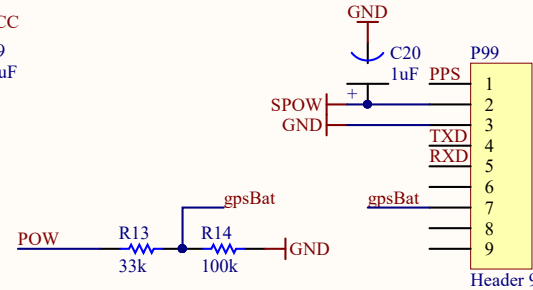
RGB light
ISL29125IROZ-T7-ND
address b1000100 0x44



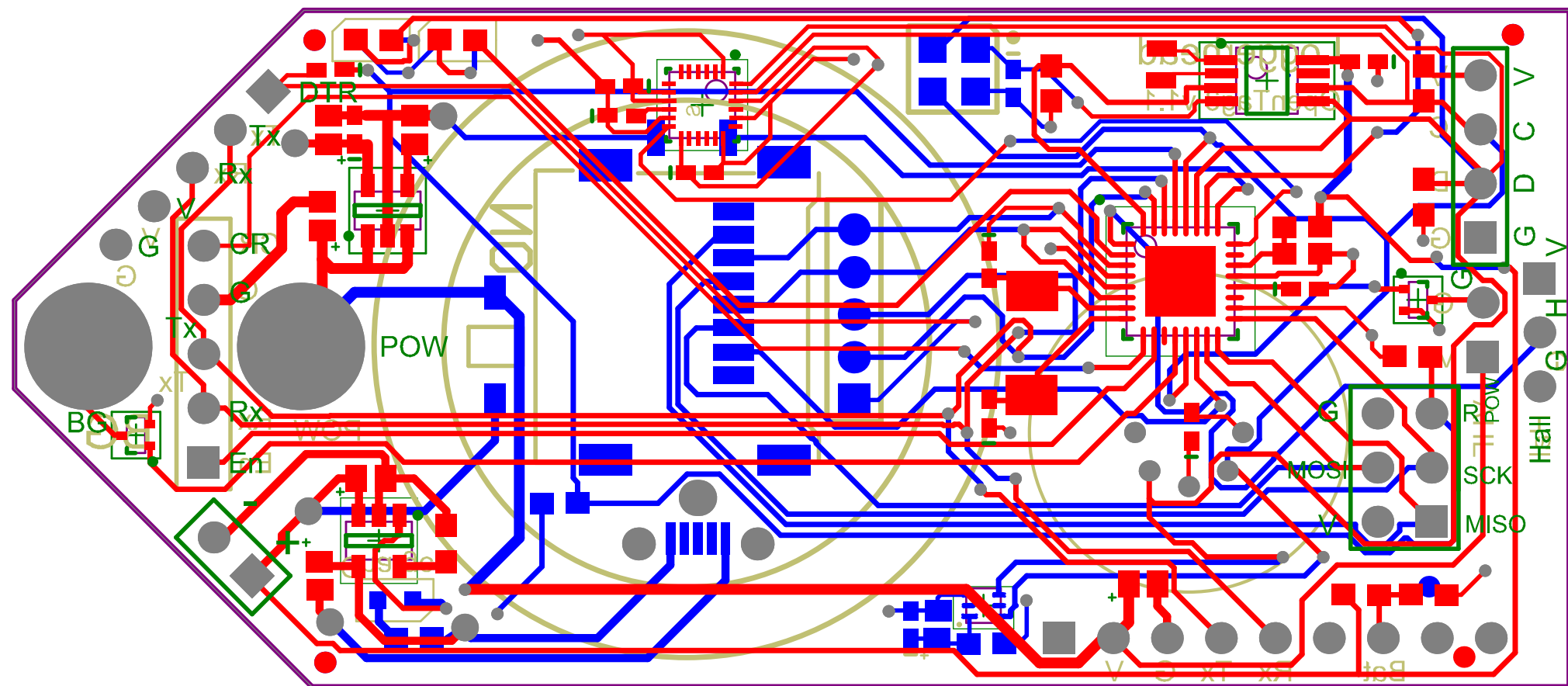
With AD0 GND address b1101000 0x68
With AD0 VCC address b1101001 0x69



MS5837
223-1704-1-ND



Title		
Loggerhead Instruments		
Size	Number	Revision
A	OpenTag 3	1.1
Date:	11/15/2017	Sheet 2 of 2
File:	C:\w\...\OpenTag3 Sensors.SchDoc	Drawn By: D. Mann



Comment	Description	Designator	Footprint	LibRef	Quantity
8MHz		*1	XTAL-ABM3	XTAL-ABM3	1
32.768kHz		*2	XTAL-ABS06	XTAL_ABS06	1
0.1uF	Ceramic Chip Capacitor - Standard	C1, C4, C9, C12, C14, C15, C18, C19	0402	C0402	8
100pF	Ceramic Chip Capacitor - Standard	C2, C3	0402	C0402	2
1uF		C5, C6, C7, C10, C13, C20	Tant0805	Tant0805	6
10uF		C8	Tant0805	Tant0805	1
10nF	Ceramic Chip Capacitor - Standard	C11, C16	0402	C0402	2
LED_0603		D1, D2, D3	Diode0603	LED_0603	3
microUSB-vert	Molex 105133-0011	P1	MICROUSB-VERT	microUSB-vert	1
microSD-Molex		P2	microSD_Molex_hinged	microSD_Molex_hinged	1
DIP1		P4	DIP1	DIP1	1
Tactile		P5	Tactile-B3U-1000	Tactile_B3U-1000	1
Header 2	Header, 2-Pin	P6, P8	HDR1X2	Header 2	2
AVR SPI	Header, 3-Pin, Dual row	P7	HDR2X3	Header 3X2	1
Header 3	Header, 3-Pin	P9	HDR1X3	Header 3	1
Surface Pads		P10	Surface Pads 5 x 2mm	SurfacePads 5x2mm	1
Header 5	Header, 5-Pin	P11, P14	HDR1X5	Header 5	2
Burn		P12	BURN	Burn Screw	1
Header 4	Header, 4-Pin	P15	HDR1X4	Header 4	1
Header 9	Header, 9-Pin	P99	HDR1X9	Header 9	1
DMN5L06TK-7	Ultra-low leakage Enhanced MOSFET	Q1, Q2	SOT-523	FET DMN5L06TK-7	2
4.7k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R1, R2, R11	3-0603	ERJ3RK	3
10k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R3	3-0603	ERJ3RK	1
omit	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R4	3-0603	ERJ3RK	1
2k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R5	3-0603	ERJ3RK	1
330X	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R6	3-0603	ERJ3RK	1
330	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R7, R8	3-0603	ERJ3RK	2
33k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R9, R13	3-0603	ERJ3RK	2
100k	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R10, R14	3-0603	ERJ3RK	2
100x	Precision Thick Film Chip Resistor, 10 Ohm to 1M Ohm Range, 1% and 0.5% Tolerance, 0603 Size, 0.063 W	R12	3-0603	ERJ3RK	1
ATmega8-16AC	8-Bit AVR Microcontroller with 8K Bytes of In-System Programmable Flash Memory	U1	32M1-A_M	ATmega8-16AC	1
MCP73831T-2DCI/OT	Miniature Single-Cell, Fully Integrated Li-Ion, Li-Polymer Charge Management Controller, 4.2V, 5-Pin SOT-23, Industrial Temperature, Tape and Reel	U2	SOT-23-OT5_N	MCP73831T-2DCI/OT	1
LP3985IM5-3.3	Micropower, 150mA Low-Noise Ultra Low-Dropout CMOS Voltage Regulator	U3	MF05A_N	LP3985IM5-3.3	1
Keller7LD	Keller Pressure/Temp	U4	Keller7LD	Keller 7LD	1
DS1342U		U5	uSOP8	DS1337	1
RGB light	RGB light sensor	U7	ODFN	ISL29125	1
MPU9250	Invensense	U9	MPU6500	MPU-9250	1
MS5837	Pressure/Temp	U10	MSS837	MSS837	1