

The schematic diagram illustrates the power supply for three ADC channels. Each channel (ADC_CH1, ADC_CH0, and ADC_CH2) is connected to a 3V3A supply through a 10K resistor (VR1, VR10, and VR3 respectively) to GND.

The diagram shows a 5V power source connected to the base of a 2N2222 transistor (U2) through a 2K resistor (R2). The emitter of the transistor is connected to GND. The collector is connected to a speaker (LS1). The speaker is also connected to GND. The transistor is labeled U2 2N2222, and the speaker is labeled LS1 Speaker.

Pinout diagram for HD6 GY-85 BMP085 module:

- Pin 1: 3V3
- Pin 2: 5V
- Pin 3: GND
- Pin 4: GY-SCL
- Pin 5: GY-SDA
- Pin 6: GY-RDY
- Pin 7: GY-AINT
- Pin 8: GY-GINT

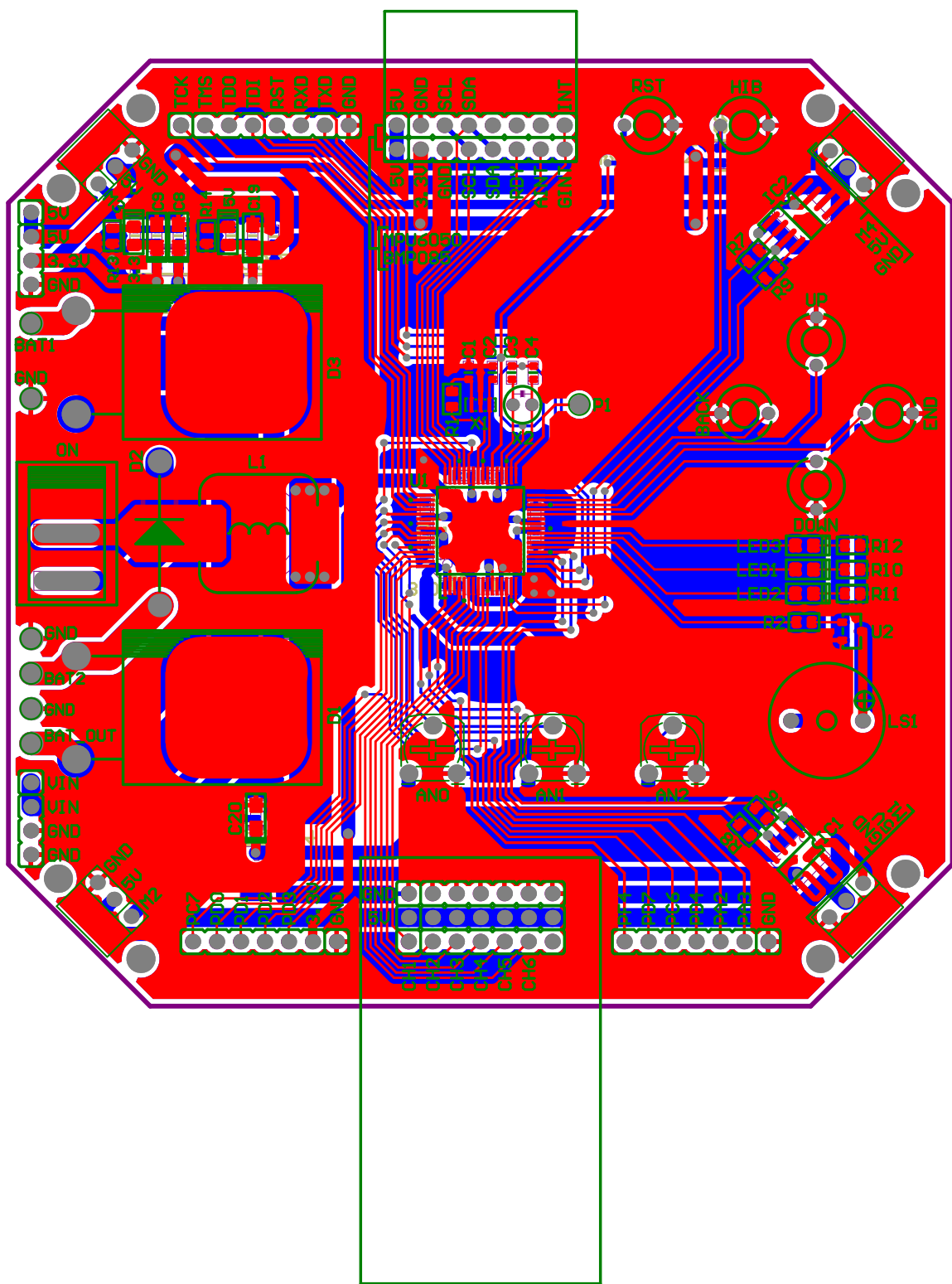
SW1
S2
DOWN
GND

SW2
S3
END
GND

SW3
S4
UP
GND

SW4
S5
BACK
GND

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Comment	Description	Designator	Footprint	LibRef	Quantity
10pF	0805-SMD Capacitor	C1, C2	C0603	CN1	2
22pF	0805-SMD Capacitor	C3, C4	C0603	CN1	2
SMD Cap	0805-10nF-50V Cap, 0805-SMD Capacitor, 0805-SMD Capacitor, SMD Capacitor, SMD Capacitor, SMD Capacitor, 0805-SMD Capacitor, 0805-SMD Capacitor, 0805-SMD Capacitor, 0805-SMD Capacitor, 0805-SMD Capacitor, SMD Capacitor, SMD Capacitor, SMD Capacitor, SMD Capacitor, SMD Capacitor, SMD Capacitor	C5, C6, C7, C10, C11, C12, C13, C14, C15, C16, C17, C18, C21, C22, C23, C24, C25, C26	C0603	Cap, CN1, CN1, Cap Cera, Cap Cera, Cap Cera, CN1, CN1, CN1, CN1, CN1, CN1, Cap Cera, Cap Cera, Cap Cera, Cap Cera, Cap Cera, Cap Cera	18
Cap Tan	Cap Tantalum	C8, C9, C19, C20	CAP_TANTA_1uF_16V	Cap Pol2	4
DSEI60-06A	Diode 60A	D1, D3	DSEI60-06A	D1A	2
1N5822	Diode 3A	D2	1N5822	D1A	1
SWD	Hedear 8	HD1	Header_8	Hed8	1
Header 7	Header 7	HD2, HD3, HD4, HD5, HD8	Header_7	Hed7	5
GY-85 BMP085	Hedear 8	HD6	Header_8	Hed8	1
MPU6050	Hedear 8	HD7	Header_8	Hed8	1
Header 3	Header 3 (Green)	HD9, HD10, HD11, HD12	JP3H	Hed3	4
Power	Header 4 (Green)	HD13, HD14	Header_4	Hed4	2
AMS1117-3.3V		IC3, IC5	AMS1117-3.3V	AMS1117	2
AMS1117-5V		IC4	AMS1117-3.3V	AMS1117	1
150mH/3A	Inductor	L1	Inductor 150mH,3A	L1	1
Green	LED Single colour Green and Red	LED1	Led 0805G	LED	1
Red	LED Single colour Green and Red	LED2, LED4, LED5	Led 0805R	LED	3
Yellow	LED Single colour Green and Red	LED3	Led 0805Y	LED	1
Speaker	Loudspeaker	LS1	SPEAKER	Speaker	1
Pad	Pad	P1, P2, P3, P4, P5, P6, P7	TP1	Pad	7
LN2302LT1G	20V N-Channel Enhancement-Mode MOSFET	Q1, Q2, Q3, Q4		LN2302LT1G	4
Res2	Resistor	R1, R2, R3, R4, R5, R60, R61, R62, R63, R70, R71, R72, R73, R80, R81, R82, R83	RESC2012L	Res2	17
330R	Resistor 1/4W	R10, R11, R12	RESC2012L	R	3
560R	Resistor 1/4W	R13	RESC2012L	R	1
1K	Resistor 1/4W	R14	RESC2012L	R	1
WAKE	Switch	S1	BUTTON 2PIN TRON	SW-PB	1
DOWN	Switch	S2	BUTTON 2PIN TRON	SW-PB	1
END	Switch	S3	BUTTON 2PIN TRON	SW-PB	1
UP	Switch	S4	BUTTON 2PIN TRON	SW-PB	1
BACK	Switch	S5	BUTTON 2PIN TRON	SW-PB	1
RESET	Switch	S6	BUTTON 2PIN TRON	SW-PB	1
ON/OFF	Switch button 2 pin	SW1	CKCD11-101	SW2	1
TM4C123GH6PM	Tiva C Series Microcontroller	U1	TM4C123GH6PM	TM4C123GH6PM	1
2N2222	NPN switching transistors	U2	MMBT2222A	2N2222	1
10K	Var Resistor	VR1, VR2, VR3	VR	VR1	3
16Mhz	Crystal For all Crystal 2pin.	X1	CSTCE16M0V53-R0	XT2	1
32768Hz	Crystal For all Crystal 2p	X2	32.678 Khz	XT2	1