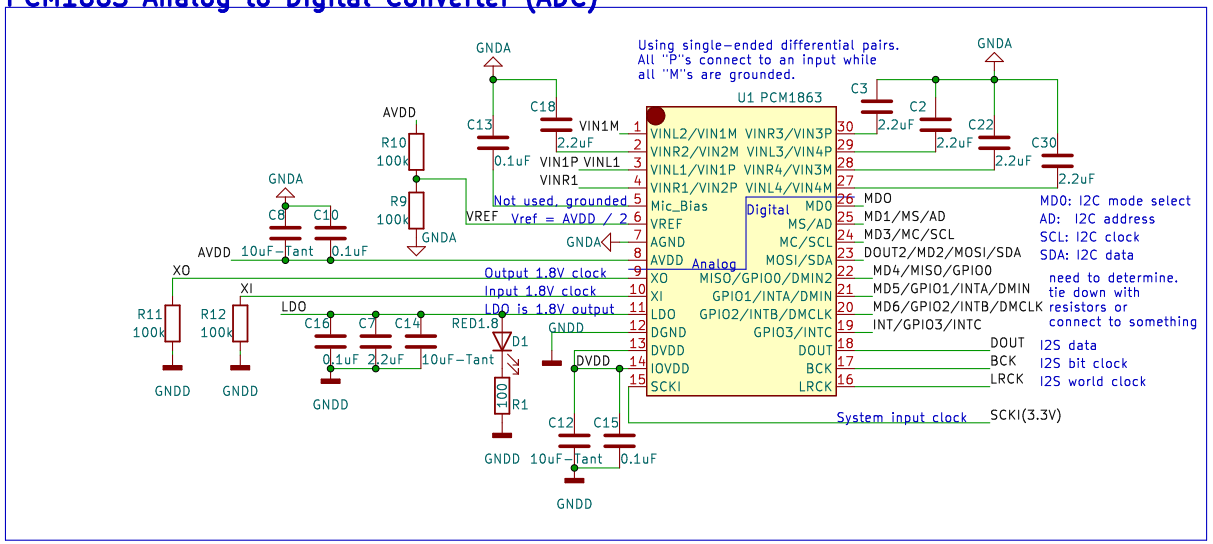
ADC Protoboard

PCM1863 Analog to Digital Converter (ADC)



Input Pins

Conn_01x04_Pin J1

1	VIN1P	Differential input
2	VIN1M	
3	VINL1	Single-ended input
4	VINR1	

I2S Pins

J2 Conn_01x04_Pin

1	DOUT	I2S data
2	LRCK	I2S world clock
3	BCK	I2S bit clock
4	SCKI(3.3V)	

I2C Pins

Conn_01x04_Pin J3

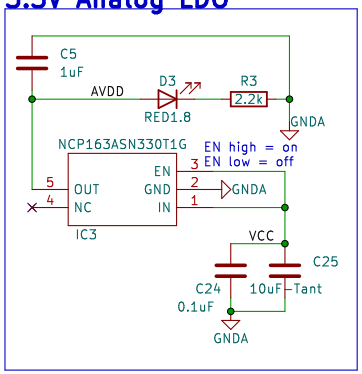
1	MDO	MDO: I2C mode select
2	MD1/MS/AD	AD: I2C address
3	MD3/MC/SCL	SCL: I2C clock
4	DOUT2/MD2/MOSI/SDA	SDA: I2C data

Mode Select Pins

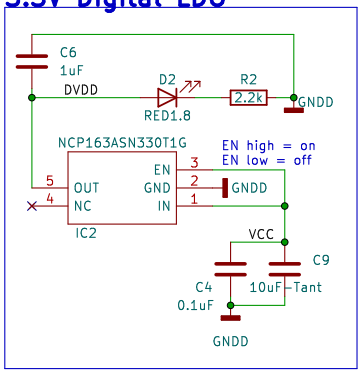
Conn_01x04_Pin J4

1	MD4/MISO/GPIO0	need to determine. tie down with resistors or connect to something
2	MD5/GPIO1/INTA/DMIN	
3	MD6/GPIO2/INTB/DMCLK	
4	INT/GPIO3/INTC	

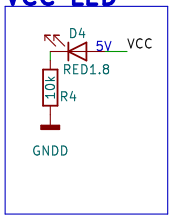
3.3V Analog LDO



3.3V Digital LDO



VCC LED

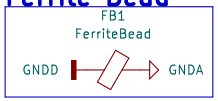


Power and Ground Pins

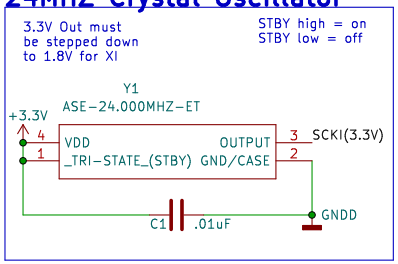
J6 Conn_01x10_Pin

GNDD	1	GNDD is connected to GNDA with a ferrite bead(inductor) to form a common ground
DVDD	2	
GNDA	3	
VREF	4	
GNDD	5	
VCC	6	
GNDD	7	
LDO	8	
GNDD	9	
AVDD	10	

Ferrite Bead



24MHZ Crystal Oscillator



Power Flags