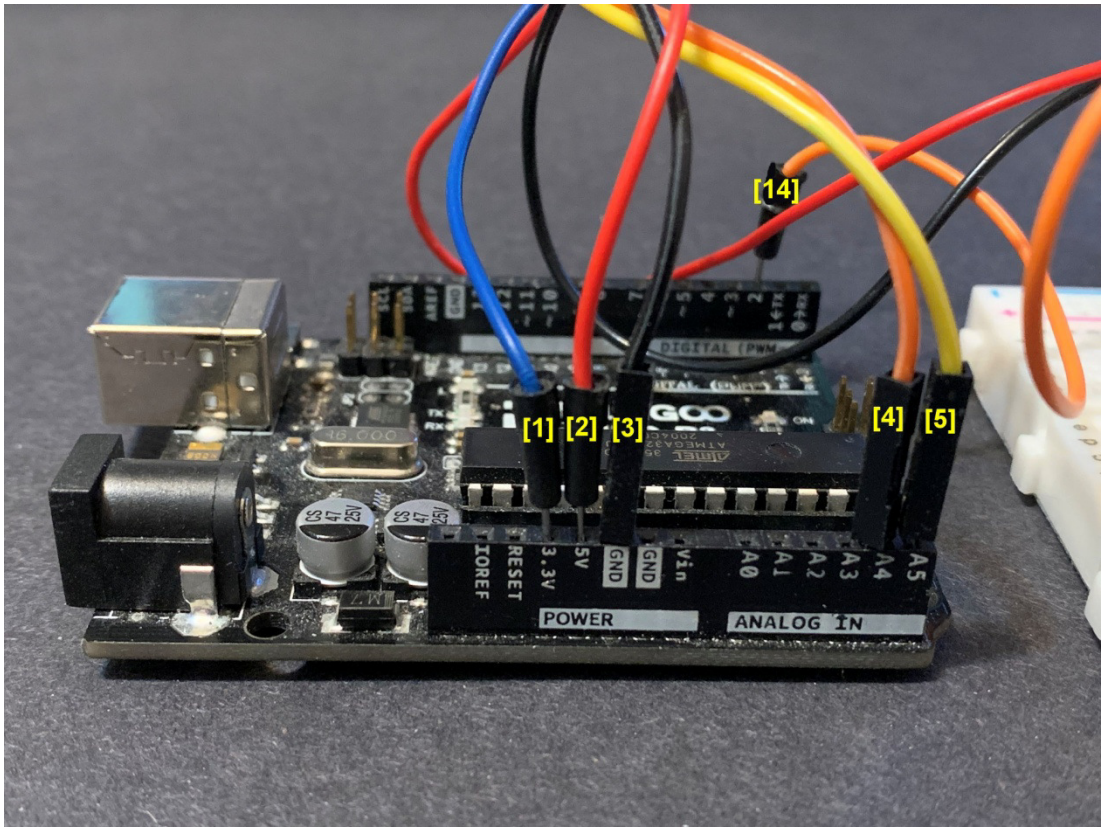
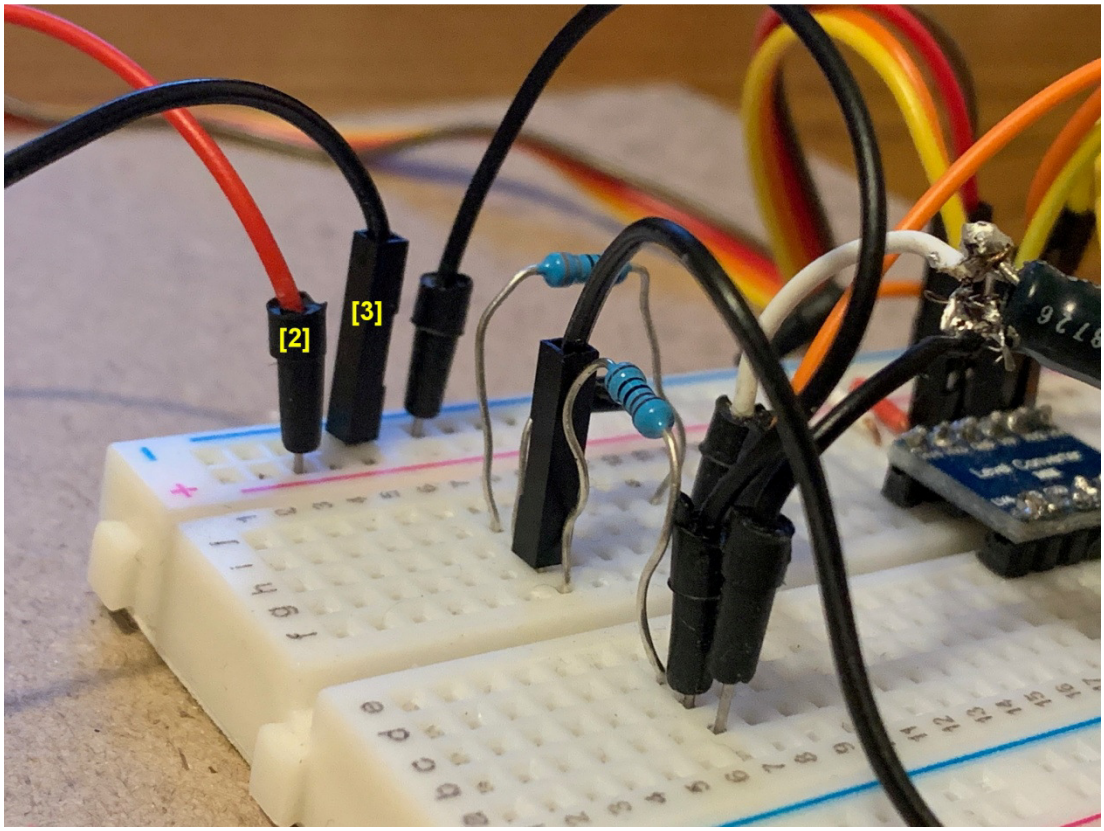
Wiring Connections

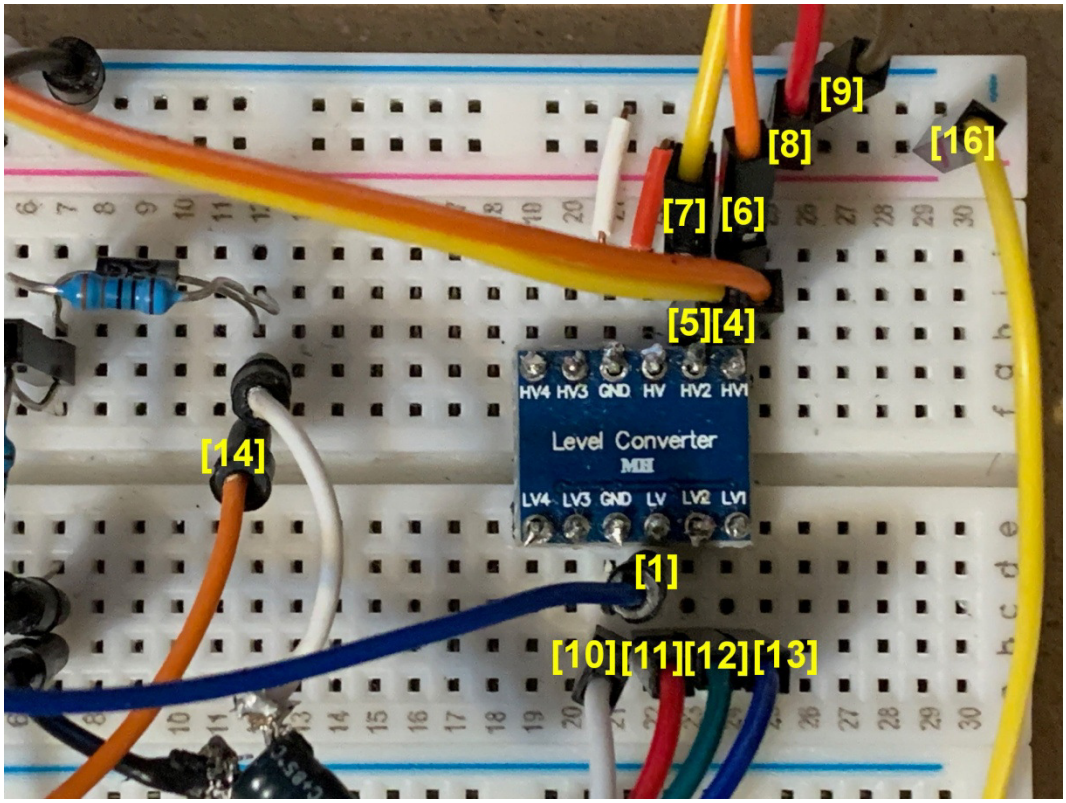
From Device 1		Wire #	To Device 2	Wire #	
Uno Power	3.3v	(1) - Blue	Level converter	(1) - Blue	LV (3.3v logic power)
Uno Power	5v	(2) - Red	Breadboard	(2) - Red	Positive power rail
Uno Power	GND	(3) - Black	Breadboard	(3) - Black	Negative power rail
Uno Analog	A4	(4) - Orange	Level Converter	(4) - Orange	HV1
Uno Analog	A5	(5) - Yellow	Level Converter	(5) - Yellow	HV2
Power rail	5v	Red Short wire	Level Converter		HV
Power rail	GND	White Short wire	Level Converter		GND
Level Converter	HV1	(6) - Orange	LCD Display	(6) - Orange	SDA
Level Converter	HV2	(7) - Yellow	LCD Display	(7) - Yellow	SCL
Power rail	5v	(8) - Red	LCD Display	(8) - Red	VCC
Power rail	GND	(9) - Brown	LCD Display	(9) - Brown	GND
Level Converter	GND	(10) - White	BME280 Sensor	(10) - White	GND
Level Converter	LV	(11) - Red	BME280 Sensor	(11) - Red	VCC (3.3v logic power)
Level Converter	LV2	(12) - Green	BME280 Sensor	12) - Green	SCL
Level Converter	LV1	(13) - Blue	BME280 Sensor	(13) - Blue	SDA
Uno Digital	2	(14) - Orange	Debounce Circuit	(14) - Orange	Interrupt Pin
Power rail	GND	(15) - Black	Debounce Circuit	15) - Black	GND (Negative power rail)
Power rail	5v	(16) - Yellow	Wind Anemometer	(16) - Yellow	
Anemometer	Neutral	(17) - Black	Debounce Circuit	(17) - Black	

Arduino Uno

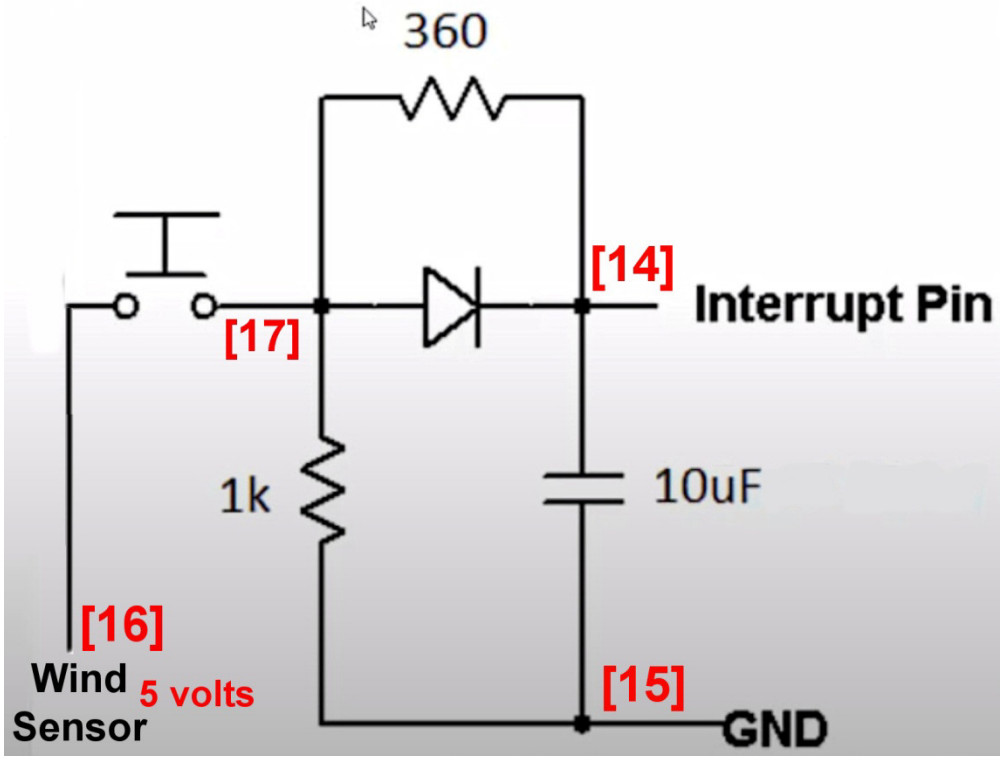

[14]
[1] [2] [3]
[4] [5]
IOREF
RESET
3.3V
5V
GND
GND
Vin
A0
A1
A2
A3
A4
A5
POWER
ANALOG IN

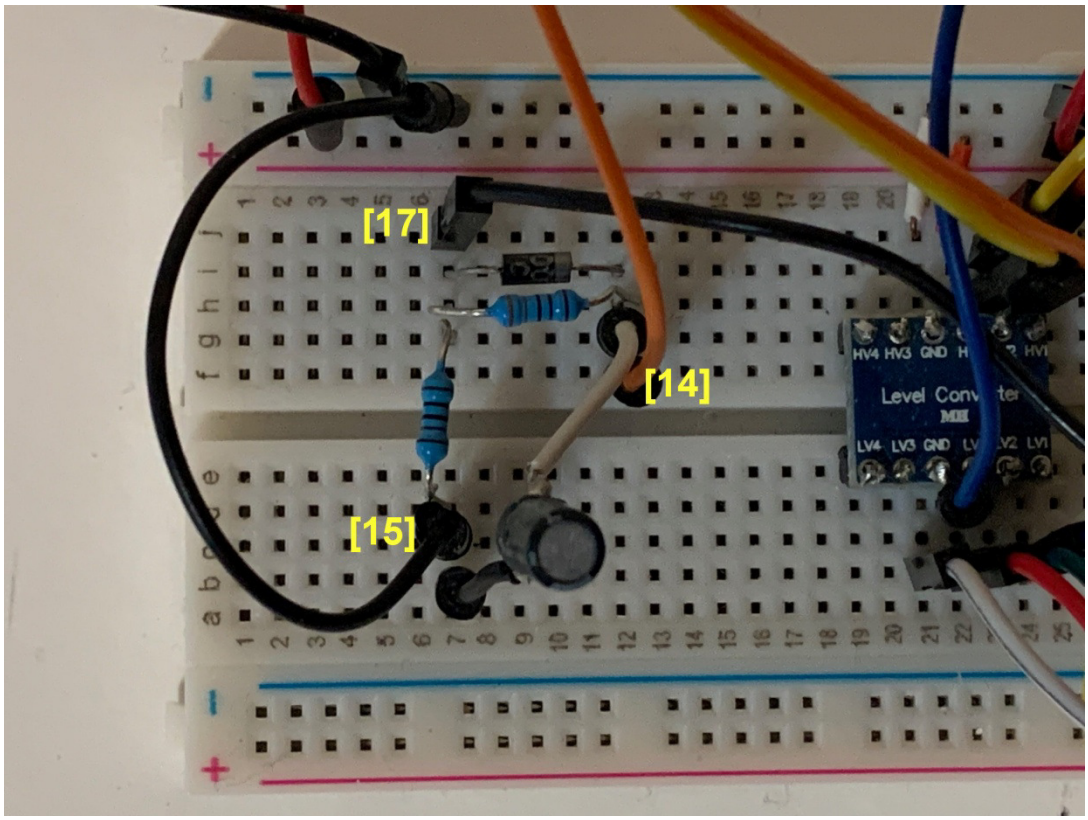

[2]
[3]

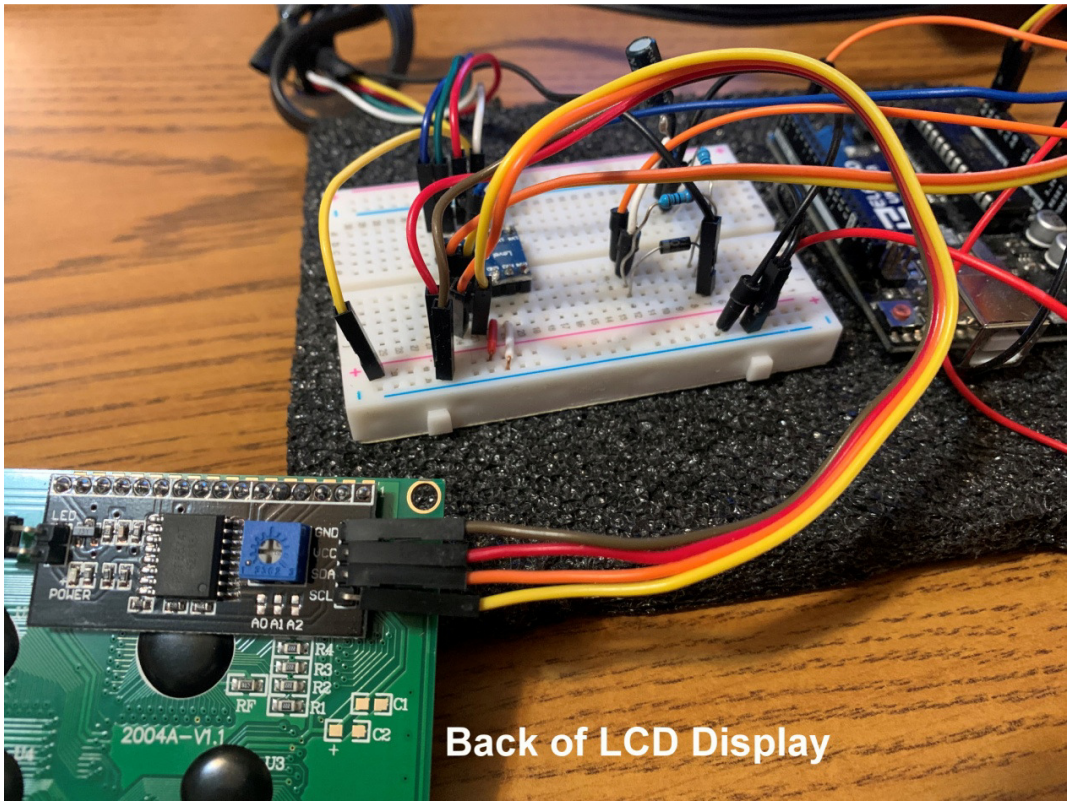
Logic Level Converter



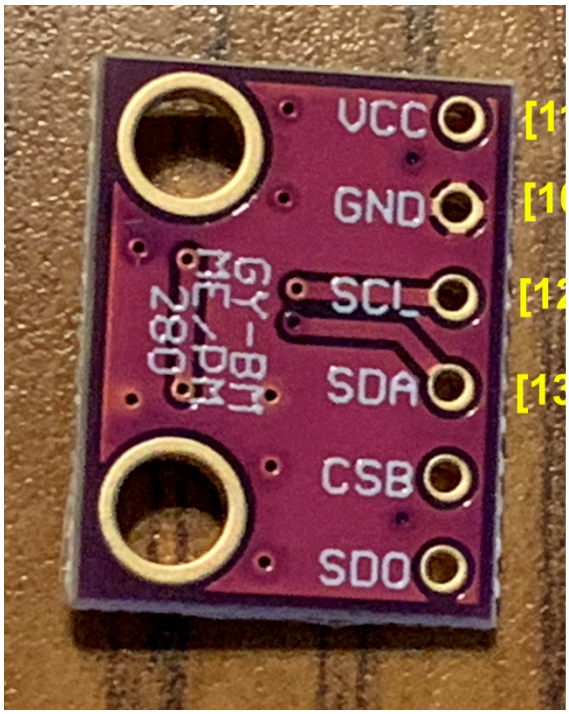
Debounce Circuit







BME280 Sensor



InSpeed Vortex Anemometer