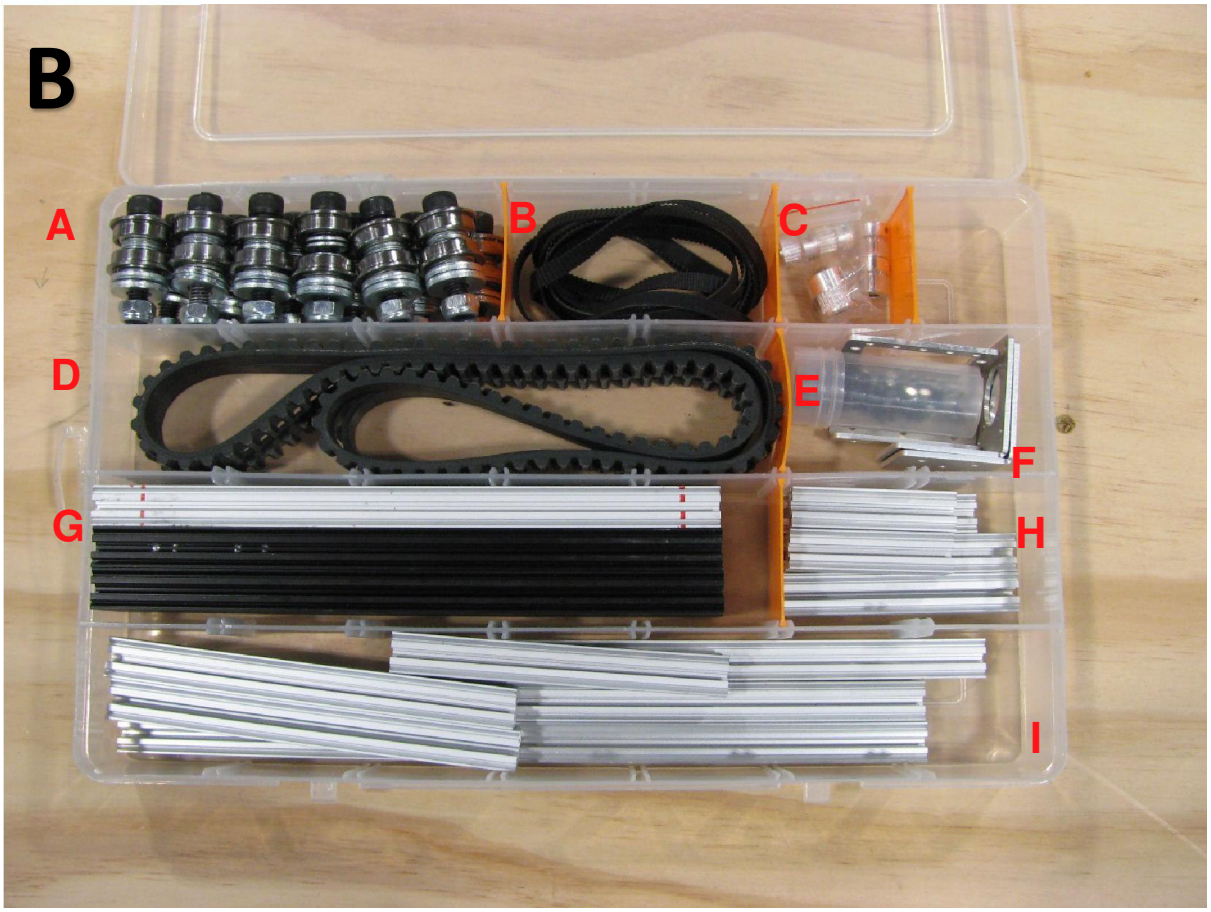
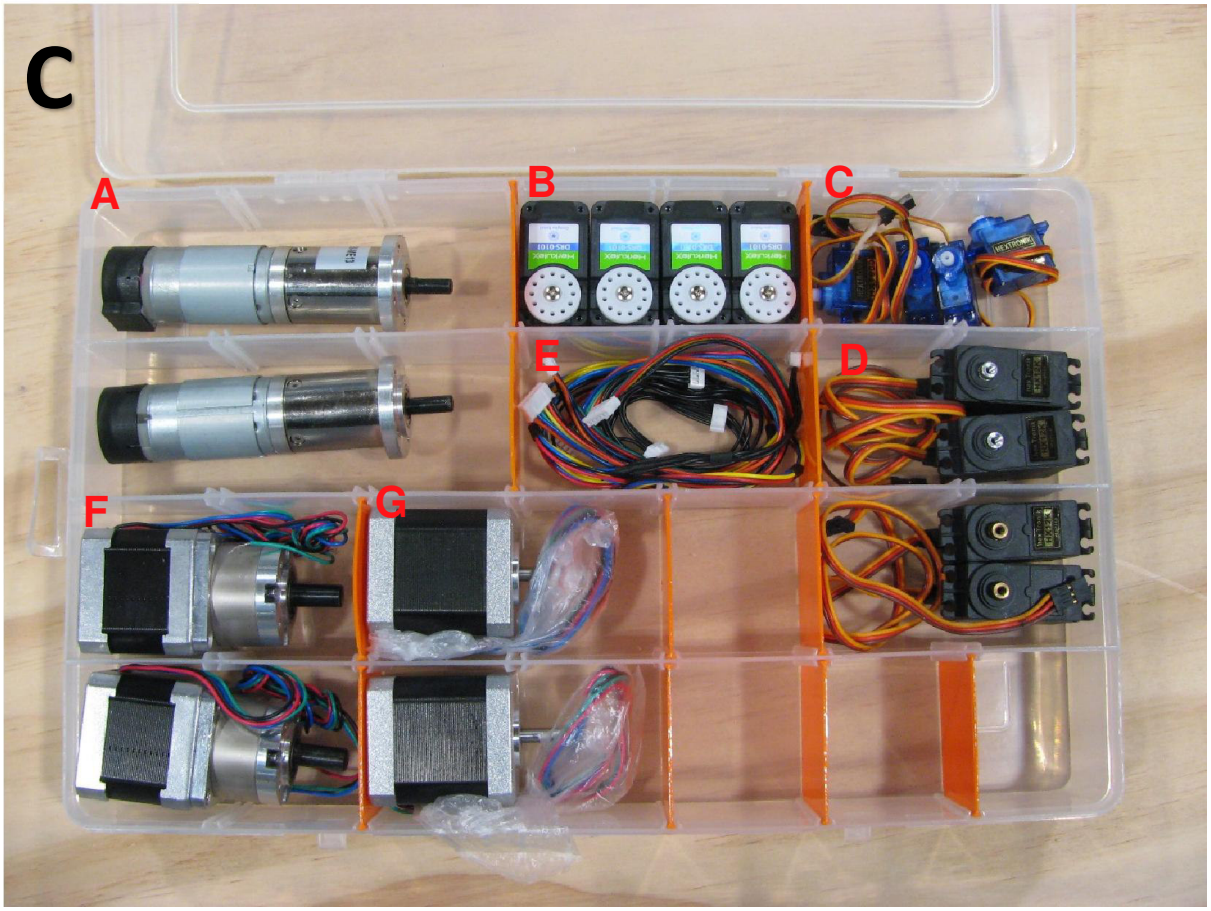
Box Parts

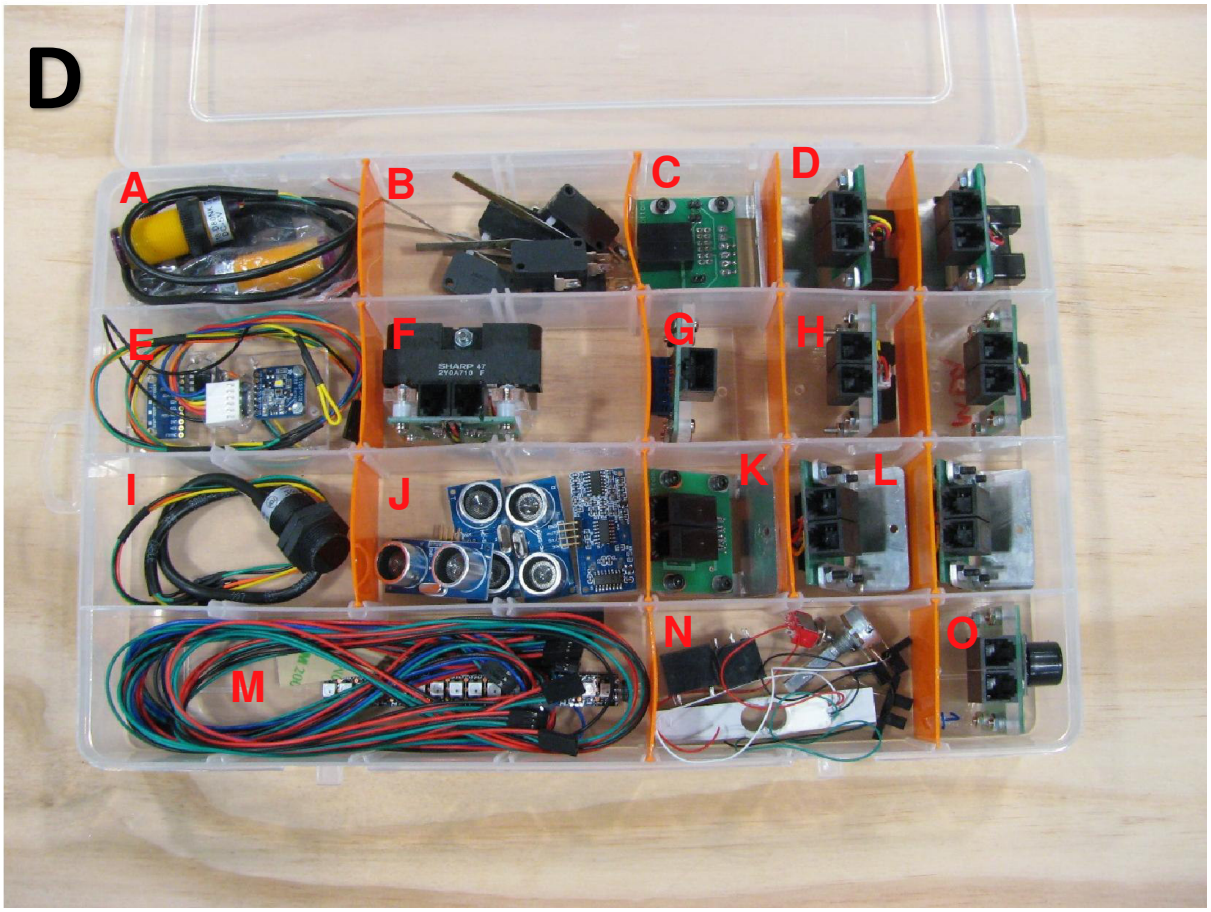
A	**A**	**25mm right angle aluminium**
	B	**12mm right angle aluminium**
	C	**12mm box section aluminium**
	D	**12mm U shaped aluminium**
	E	**25mm flat bar aluminium**
	F	**12mm flat bar aluminium**
	G	**8mm round bar aluminium**
	H	**6.5mm round bar aluminium**
B	**A**	**Bearing assemble for track**
	B	**GT2 Timing Belt**
	C	**GT2 Timing Pulley 16 teeth**
	D	**Track**
	E	**Nuts and hex bolts**
	F	**Laser cut support structures**
	G	**Open beam main robot support structure**
	H	**Open beam main small**
	I	**Open beam main Longer**
C	**A**	**DC Motor, includes gear box and encoder**
	B	**Smart servo**
	C	**Small servo**
	D	**Standard servo**
	E	**DC Motor and smart servo connection cables**
	F	**Stepper motor with gear box**
	G	**Stepper motor**
D	**A**	**Digital Infrared distance sensor**
	B	**Micro switch**
	C	**Digital interface board for use with limit switches**
	D	**Infrared distance sensor**
	E	**Colour sensor and IMU**
	F	**Infrared distance sensor**
	G	**Digital interface board**
	H	**Infrared distance sensor**
	I	**Infrared camera**
	J	**Ultrasound sensor**
	K	**Analogue interface board**
	L	**Infrared distance sensor**
	M	**Cables and RGB smart LED's**
	N	**Relay, load cell, switch, variable resistor, IR interruption sensor**
	O	**Ultrasound sensor**

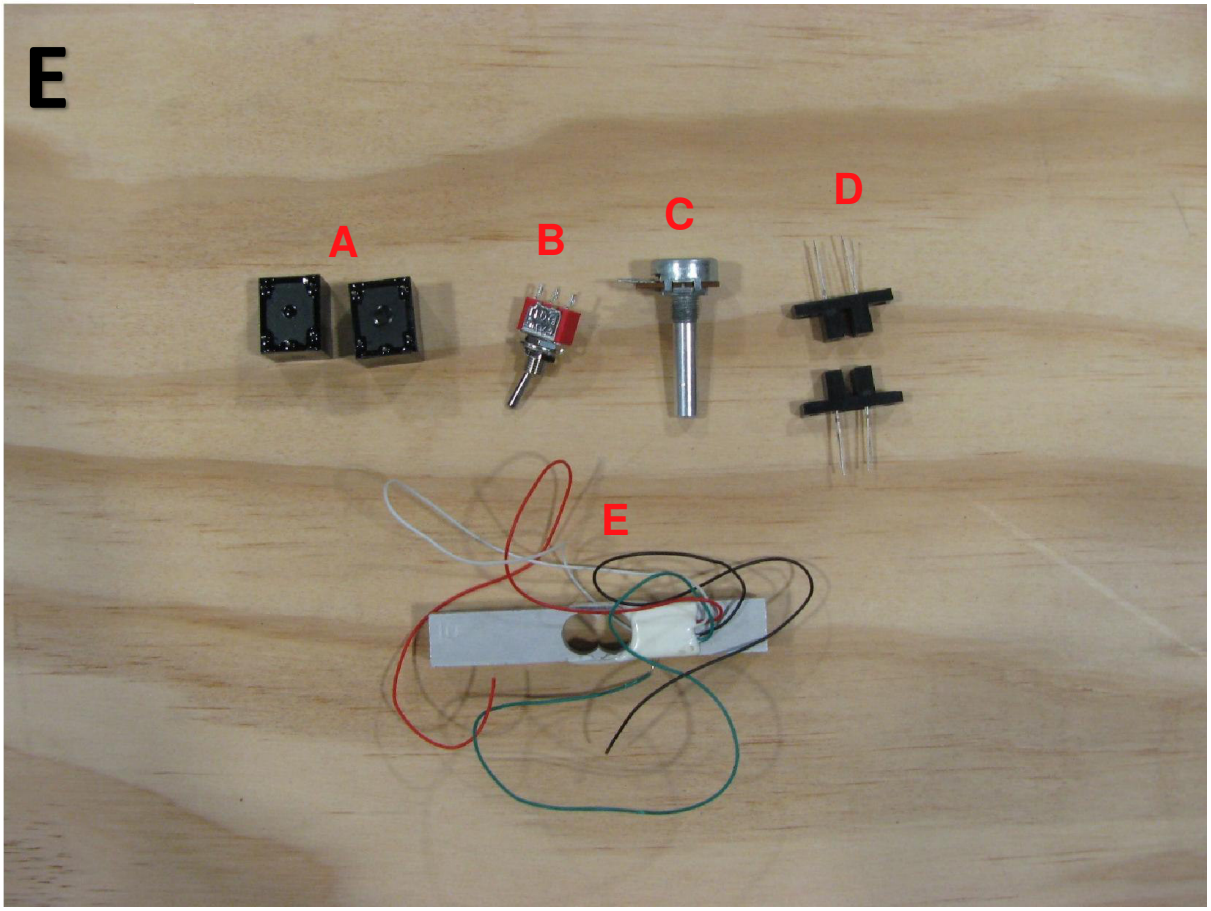
E	**A**	**Relay**
	B	**Switch**
	C	**Variable resistor**
	D	**IR interruption sensor**
	E	**Load Cell**
F	**RGB smart LED**	
G	**IMU**	
H	**Colour sensor**	
I	**A**	**Main CPU board with IO Board**
	B	**Dual DC motor driver**
	C	**Servo IO Board**
	D	**Camera and wireless IO board**
	E	**Fan**
	F	**Signal test board**
	G	**Main power supply and battery protection board**
	H	**Speaker**
	I	**Large Servo**
J	**Ultrasound sensor**	
K	**Infrared distance sensor**	
L	**Digital interface board**	
M	**Analogue interface board**	
N	**Digital interface board for use with limit switches**	
O	**Infrared distance sensor**	
P	**Infrared distance sensor**	
Q	**Infrared distance sensor**	
R	**Infrared distance sensor**	
S	**Ultrasound sensor**	

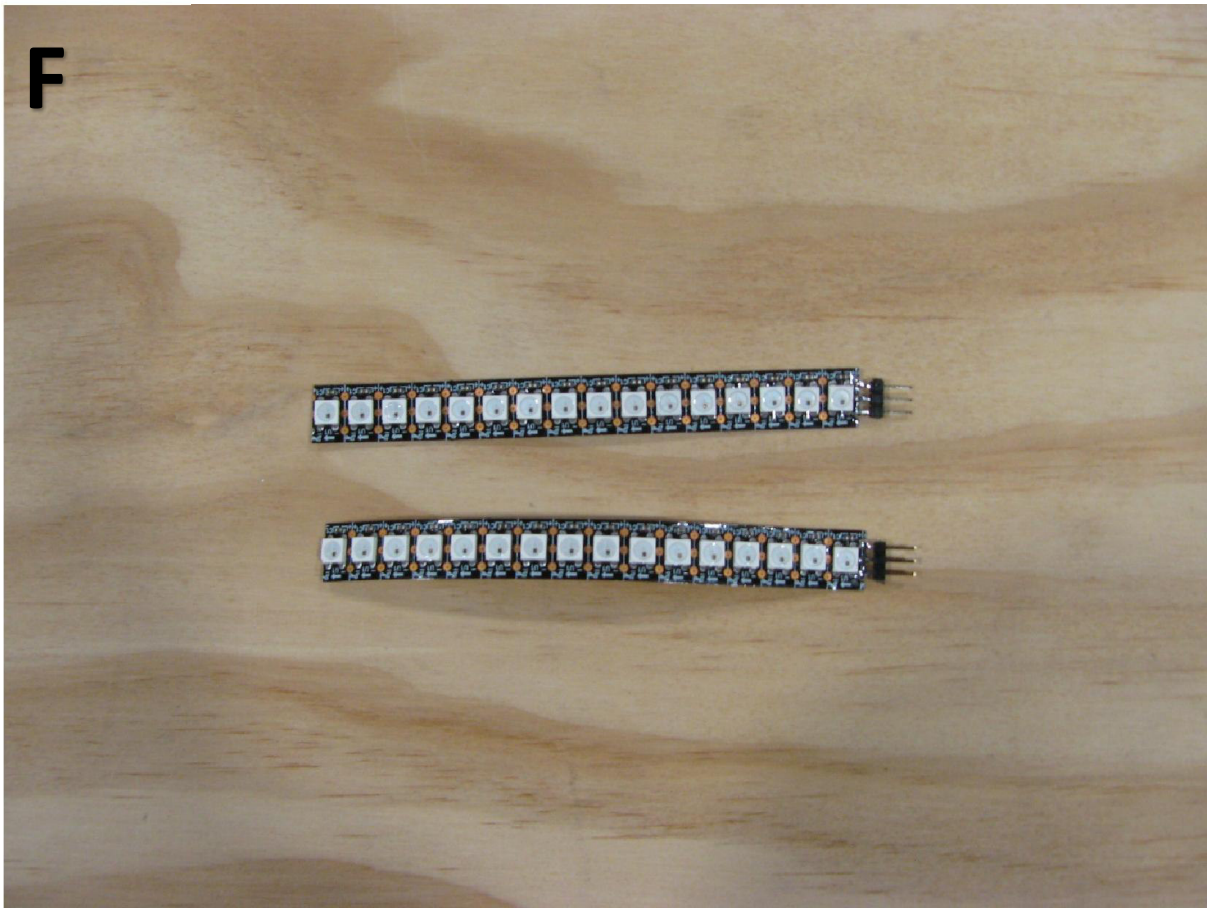
A
A
B
C
D
E
F
G
H


B
A
B
C
D
E
F
G
H
I

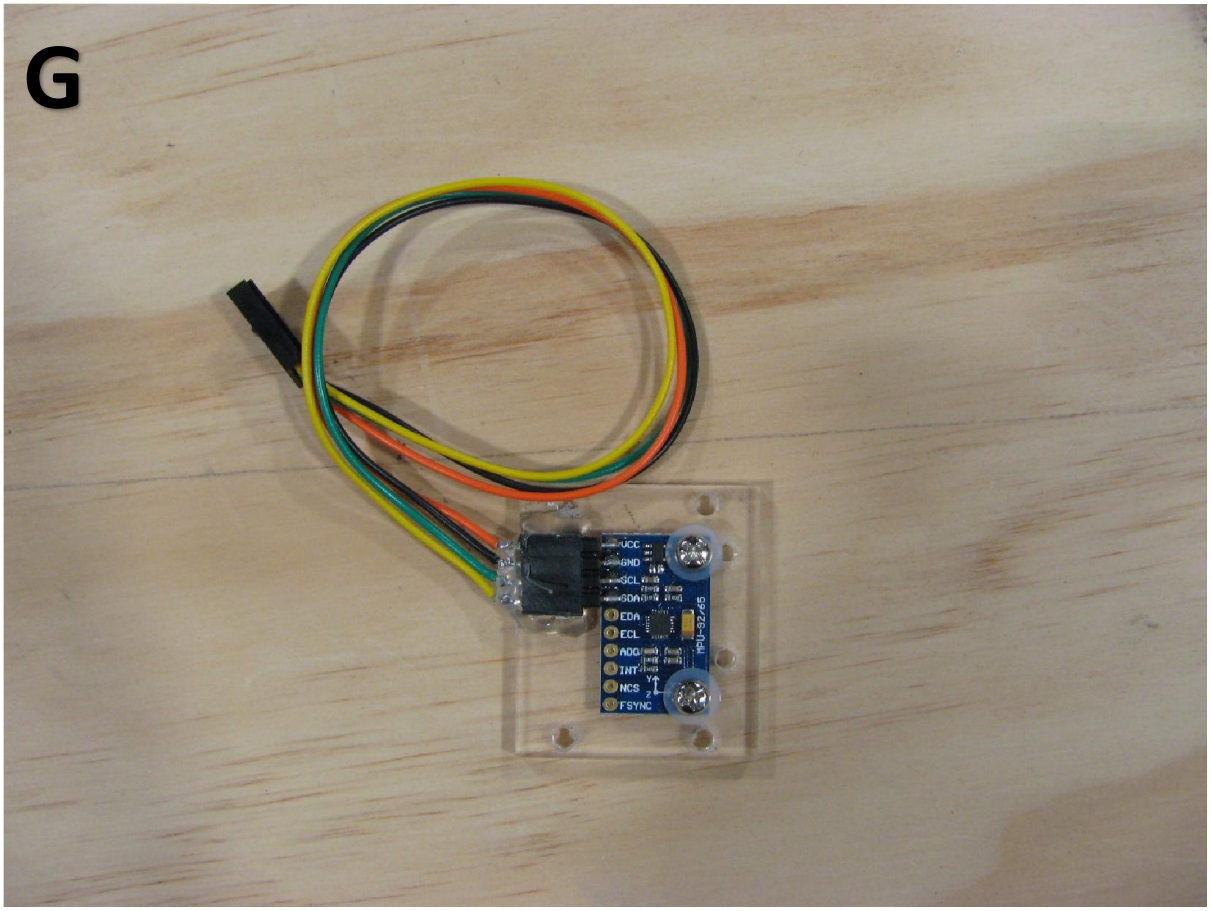

C
A
B
C
E
D
F
G


D
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

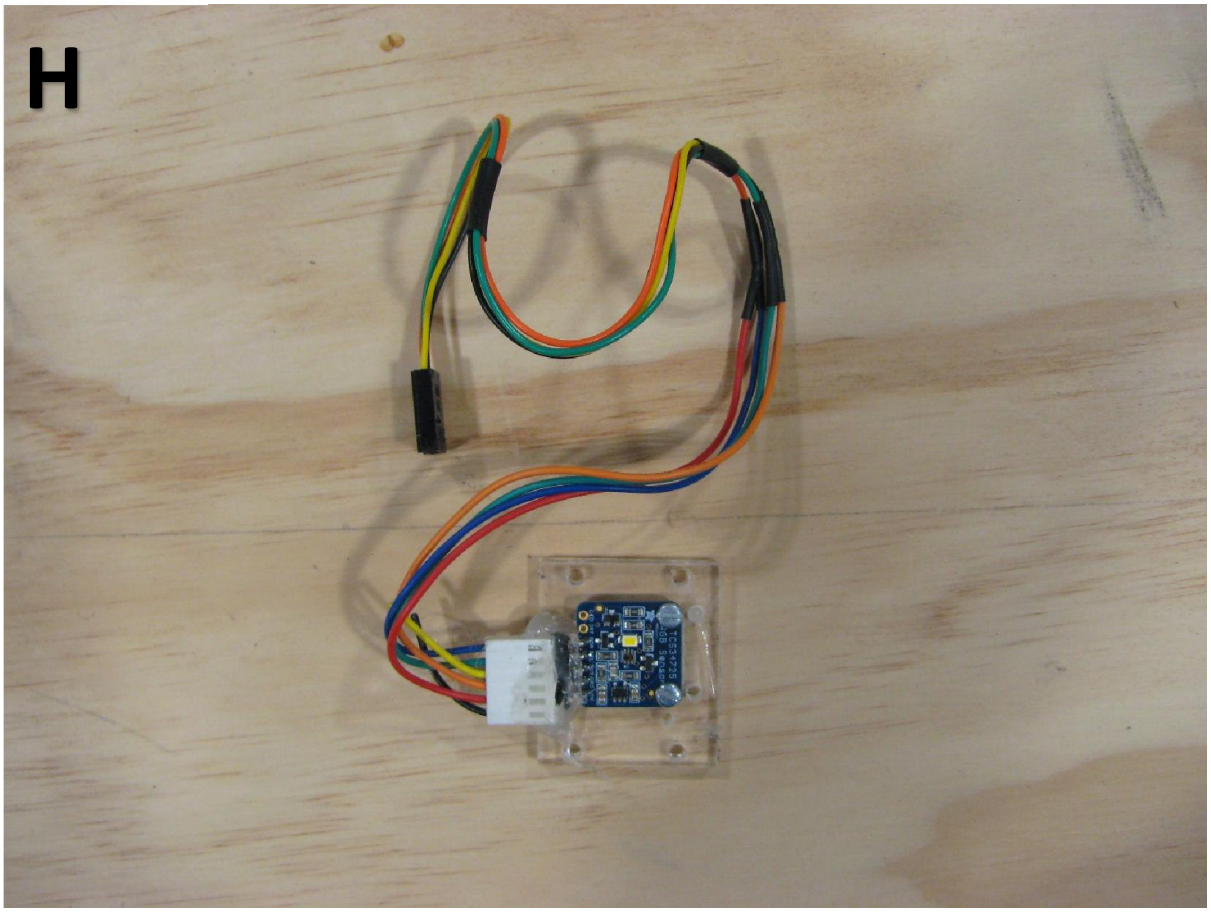

E
A
B
C
D
E


F

G

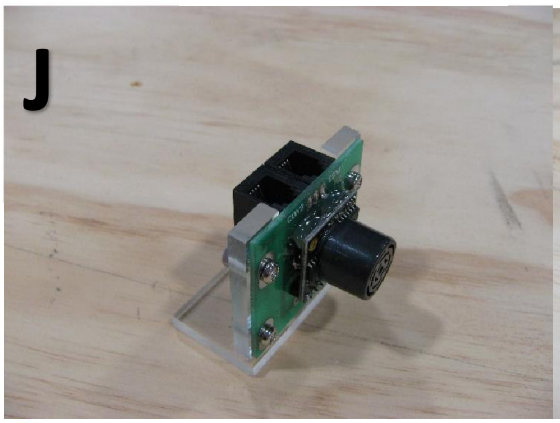


H

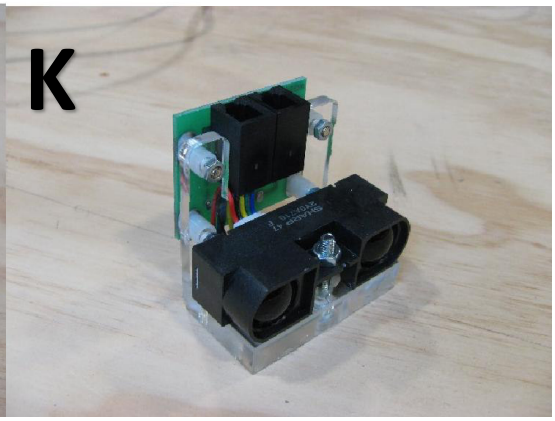


A
B
C
D
E
F
G
H
I
SDM30-12S5

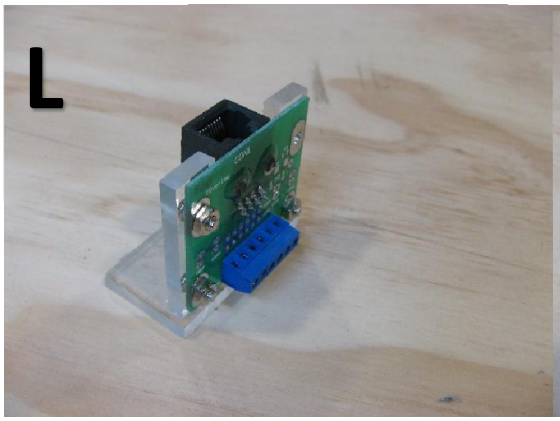
J



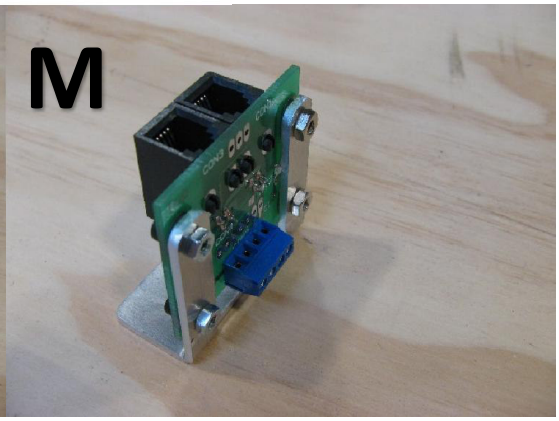
K



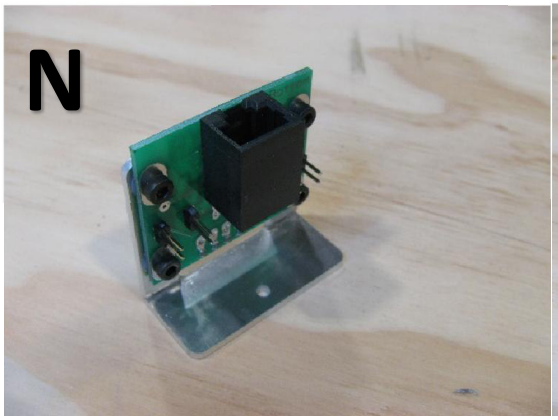
L



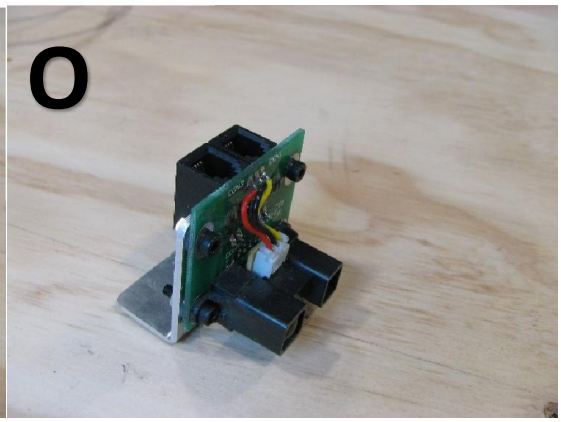
M



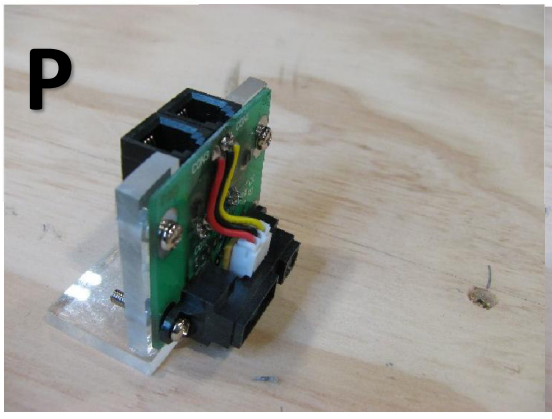
N



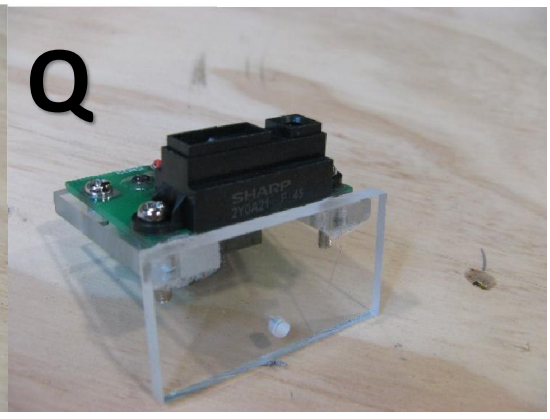
O

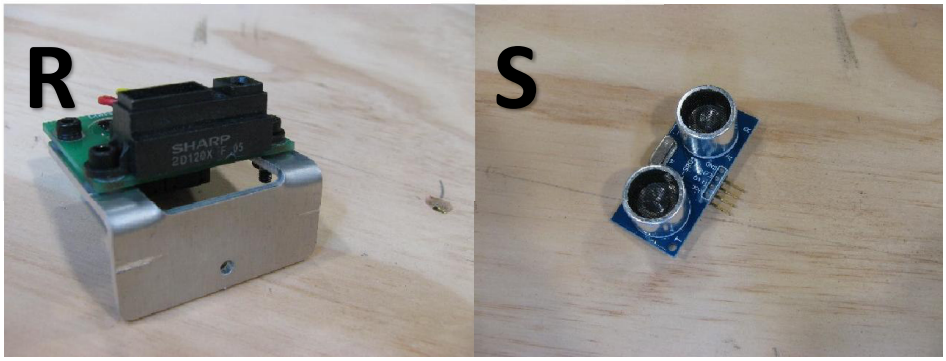


P



Q




R
S