

Bill of Materials
EE445L Spring 2018

March 3, 2018

EE445L pays for the PCB

"not free" means you have to

"Cabinet means in one of the

"McDermott" means ask Mr

"Box means in box in your M

Qty Note [REF DES Note](#)

Quantity	REF DES	Type	Description	Manufacturer
1		ASM	Poweradd 2nd Gen Pilot 2GS 10000mAh Power Bank	Poweradd
2		CAP	Ceramic, X7R, 20%, 1 uF	
6		CAP	Ceramic, Z5U, -20/+80%, 0.1 uF	
54		CON	2 to 40 pin 0.1 in header (price per pin)	
2		CON	Logic Analyzer connector	FCI
1		PCB	PCB plus shipping	Advanced Circuits
1		IC	accelerometer	Adafruit
1		IC	L293 Motor H bridge	TI
1		ASM	Black case, 7.5" by 4.3" by 2.2"	Hammond
1		ASM	Raspberry Pi B+	RASPBERRY PI FOUNDATION
			Arducam 5 Megapixels 1080p Sensor OV5647 Mini	
1		ASM	Camera Video Module for Raspberry Pi Model A/B/B+, Pi 2 and Raspberry Pi 3	Arducam

o buy it

"free sample" means you have to order it

e six black cabinets in professor's office (bring a print out of your SCH")

cDermott, quantity and style will vary (bring a print out of your SCH circuit)

McDermott's office (bring a print out of your SCH circuit)

Mfg. P/N	Distributor	P/N	Unit cost	Cost PCB Artist	Where?
B00N2JBTEM	Amazon	Pilot 2GS	\$15.99	\$15.99 N/A	Amazon
	Jameco	81509	\$0.35	\$0.70 Ceramic0.2	Cabinet
	Digikey	399-4151-ND	\$0.05	\$0.27 Ceramic	Cabinet
	AllElectronics	SHS-40	\$0.02	\$1.08 Jumper2	Cabinet
68021-208HLF	Digikey	609-3344-ND	\$0.27	\$0.54 LogicAnalyzer	Cabinet
	Advanced Circuits		\$53.00	\$53.00	http://www
3-01-0122-A	Amazon	MPU6050	\$5.09	\$5.09 J4	Amazon
L293NE	Digikey	296-9519-5-ND	\$3.50	\$3.50 L293	Owned
1591ESBK	Mouser	546-1591ES-BK	\$5.18	\$5.18 to do	Box
	Amazon		\$35.00	\$35.00 J5	Owned
B0033	Amazon	OV5647	\$13.49	\$13.49 N/A	Owned