

		SPEC	Part Number	Quantity Needed per board	Quantity Needed for 4 boards	Ordered	Links	Links
Soldering:								
	Solder paste			1	4	N		
	Stencil			2	8			
	PCB board			1	4			
Passives:								
	Capacitors	1pF	"0402"	1	4	Y	http://www.digikey.com/product-detail/en/UVK105CH010BW-F/587-1007-1-ND/930784	
		0.1uF	"0603"	3	12	Y	http://www.digikey.com/product-detail/en/CC0603KRX7R7BB104/311-1088-1-ND/302998	
		0.01uF	"0603"	1	4	Y	http://www.digikey.com/scripts/DkSearch/dksus.dll?Detail&ItemSeq=183337511&uq=635823721291238010	
		2.2uF	"0603"	3	12	Y	http://www.digikey.com/product-detail/en/AMK107BJ225KA-T/587-1254-1-ND/931031	
		10uF	"0603"	2	8	Y	http://www.digikey.com/product-detail/en/CL10A106MQ8NNNC/1276-1119-1-ND/3889205	
		15pF	"0603"		4	Y	http://www.digikey.com/product-detail/en/06035A150JAT2A/478-1165-1-ND/564197	
		0.47uF	"0603"	1	4	Y	http://www.digikey.com/product-detail/en/C1608X7R1C474K080AC/445-5192-1-ND/2093807	
	Resistors	100k	"0603"	3	12	Y	http://www.digikey.com/scripts/DkSearch/dksus.dll?Detail&ItemSeq=183337968&uq=635823728915102478	
		2.7k	"0603"	1	4	Y	http://www.digikey.com/product-detail/en/RC0603JR-072K7L/311-2-7KGRCT-ND/729682	
		270	"0603"	2	8	Y	http://www.digikey.com/product-detail/en/RC0603FR-07270RL/311-270HRCT-ND/730050	
		10k	"0603"	4	16	Y	http://www.digikey.com/product-detail/en/RC0603FR-0710KL/311-10-0KHRCT-ND/729827	
		1k	"0603"	3	12	Y	http://www.digikey.com/product-detail/en/RC0603FR-071KL/311-1-00KHRCT-ND/729790	
		33	"0603"	2	8	Y	http://www.digikey.com/product-detail/en/RC0603FR-0733RL/311-33-0HRCT-ND/730105	
		3.3k	"0603"	2	8	Y	http://www.digikey.com/product-detail/en/RC0603FR-073K3L/311-3-30KHRCT-ND/730073	
		150k	"0603"	1	4	Y	http://www.digikey.com/product-detail/en/RC0603FR-07150KL/311-150KHRCT-ND/729906	
		2.2k	"0603"	1	4	Y	http://www.digikey.com/product-detail/en/RC0603FR-072K2L/311-2-20KHRCT-ND/729903	
		30.1k	"0805"	1	4	Y	http://www.digikey.com/scripts/DkSearch/dksus.dll?Detail&ItemSeq=183338573&uq=63582373456730462	
		52.3k	"0805"	1	4	Y	http://www.digikey.com/product-detail/en/RC0805FR-0752K3L/311-52-3KCRCT-ND/730968	
		0	"0402"	2	8	Y	http://www.digikey.com/product-detail/en/MCS04020200002E000/MCS0402-0-0-ZZCT-ND/2607873	
	Inductor	3.6nH	"0402"	1	4	Y	http://www.digikey.com/product-detail/en/LQG15H43N6S02D/490-6562-1-ND/3845758	
	Switch		EVQ11A04M	1	4	Y	http://www.digikey.com/scripts/DkSearch/dksus.dll?Detail&ItemSeq=183340035&uq=635823758052568806	
	LEDs	Blue 3.3V	"0603"	8	32	Y	http://www.amazon.com/Superbright-0603-Emitting-Diode-2-85-3-0V/dp/B00NWFVXSS/ref=sr_1_1?ie=UTF8&qid=1446766378&sr=8-1&keywords=led+0603	
	Battery	>650mAh <20g <8500 mm3		2	8	Y	https://www.sparkfun.com/products/341	https://www.tindie.com/products/Rayshobby/700mah-lipo-battery-37v/
	Battery connector PH			1	4	Y	https://www.adafruit.com/products/1769	https://www.sparkfun.com/products/9749
	Battery Charger			3		Y	https://www.sparkfun.com/products/10401	
Modules:								
	microcontroller		CC3200MOD	1	4	2		
	Microphone ELECTRET		CMA-4544PF-W	1	4	Y	http://www.digikey.com/scripts/DkSearch/dksus.dll?Detail&ItemSeq=183340432&uq=635823763184544996	
	Antenna		AH316M245001-T	1	4	Y	http://www.digikey.com/product-detail/en/AH316M245001-T/987-2200-1-ND/2002898	
	ferrite beads		0605 - check adafruit mic breakout board for specific info					
	uFL connector					Y		
	LDO 3.3V		TPS73733DRVR	1	4	Y		
			TPS73733DCQ	1	4	Y		
			TPS72501KTTT	1	4	Y		
			TPS72501DT	1	4	Y		
	LDO 2.8V		TPS79328DBVRG4	1	4			
	JC: LDO 1.8V		TPS79318DBVR					
	Dual-Bit Dual-Supply Bus Transceiver		SN74LVC2T45DCUT	1	4			
	NOTE: We can get TI stuff for free. Just request sample for now.							
	Microphone Amplifier		MAX9814	1	4	Y	http://www.digikey.com/scripts/DkSearch/dksus.dll?Detail&ItemSeq=183340290&uq=635823761726671852	
Connectors:								
	Pin Head	1x2		2	8	lab		
		1x4		1	4	lab		
		1x7		1	4	lab		
	Ribbon Cable	16 pins		1	4	JC:should have some in lab, wouldn't hurt to order a few		