

**KANSAS STATE UNIVERSITY
ECE 662 LAB KIT
FALL 2019 Rev 1.3**

<u>QTY</u>	<u>PRICE EACH</u>	<u>TOTAL PRICE</u>	<u>VENDOR</u>	<u>VENDOR PART NUMBER</u>	<u>DESCRIPTION</u>	<u>SPARES</u>
<u>STUDENT ORDERED</u>						
4	2.7	10.8	DIGI-KEY	ACX1044	AMPHENOL 112160 F BNC JACK FOR RG174	10
1	0.45	0.45	DIGI-KEY	1SV325H3FCT-ND	Toshiba varactor diode 1SV325,H3F 12pF@4V C1/C4 = 4.3	10
2	0.36	0.72	DIGI-KEY	MMBD352LT1GOSCT-ND	Dual Schottky diode in SOT23-3 package	10
1	5.54	5.54	DIGI-KEY	568-1202-5	SA604 25 MHZ IF AMP/DEMODO IC (SO-16)	10
1	0.77	0.77	DIGI-KEY	497-4451-1	TS4990 1.2W MONO AUDIO AMP IC (Mini SO-8)	10
1	0.28	0.28	DIGI-KEY	445-17090-1-ND	FIXED IND 22UH 160MA 3.64 OHM	5
2	0.34	0.68	DIGI-KEY	478-8238-1-ND	10µF Molded Tantalum Capacitors 16V 1411	5
1	0.78	0.78	DIGI-KEY	P15094CT	470uF/10V ALUM CAPACITOR SMD	5
1	0.42	0.42	DIGI-KEY	AP2210N-3.3TRG1DICT	3.3V REGULATOR, 13V-MAX_IN, 300 MA, (SOT23-3)	5
2	0.77	1.54	DIGI-KEY	H125718CT-ND	USB 2.0 Micro B SMD R/A Connector	5
2	1.17	2.34	DIGI-KEY	609-3408	CONN HEADER 20POS .100 R/A TIN	5
<u>K-STATE ORDER (and divide into kits)</u>						
1	6.30	6.30	Mc/CARR	8505K94	8" x 12" x .25" BRONZE PLEXIGLASS SHEET	
1	0.98	0.98	PARTS EXP	289-2314	YDT613-68 2-1/4" x 5" Paper Cone Full-Range Speaker 8 Ohm	2
1	0.12	0.12	EBAY	382979234137	SO8 and mini SOIC8 to DIP8 adapter board	10
1	0.51	0.51	EBAY	151791797021	SO16 and mini SOIC16 to DIP16 adapter board	10
2	0.8	1.60	EBAY	182442349618	MuRata 10.7MHz Bandpass Filter, SFELF10M7FA00-B0, BW=280K	5
1	1.35	1.35	Mini Circuits	VAM-6+	Low Current MMIC Amplifier DC to 2 GHz	5
<u>K-STATE STOCK (CHARGE BUT DO NOT ORDER)</u>						
5	0.31	1.55	DIGI-KEY	MMBT5179CT	MMBT5179 RF BJT SMD TRANSISTOR (SOT-23-3)	
1	2.37	2.37	MOUSER	313-1100F-10K	10K POTENTIOMETER w/switch	
1	1.38	1.38	MOUSER	31JN405-F	50K POTENTIOMETER	
2	1.09	2.18	MOUSER	45KN017-GRX	KNOBS	
1	3.15	3.15	MOUSER	659-GKU90020	14-90pF Trimmer / Variable Capacitor	
2	0.20	0.40	LODESTONE	T37-2	TOROID CORES	
2	0.20	0.40	LODESTONE	FT37-67	TOROID CORES	
5	2.00	10	ECE	TPC	1.75" x 2.25" IVAN BOARDS	
1	0.82	0.82	DIGI-KEY	102-1721	ELECTRET CONDENSER MICROPHONE	
1	1.42	1.42	DIGI-KEY	1674-1019-6-ND	Knowles/Voltronics CAP TRIMMER 4.5-20PF 125V SMD	10
			ECE	VARIOUS	0805 AND 0603 RESISTORS AND CAPACITORS	
			ECE	VARIOUS	WIRE AND RG174 COAX	