

BOM of Materials									
Item Ref #	Description	Manufacturer Name	Manufacturer Product Number	Quantity	Unit	Unit Cost	Cost	Shipping	Total Cost
Op-Amp	LT1018	Linear	1	1	1	2.29			9.87
Capacitor	GRM21BR6106K473L	TDK	1	15	0.28	4.2	0		4.20
Capacitor	GRM188R60105K40J1	TDK	1	Share with Evan	25	0.062	0	1.55	
Capacitor	0603C104K472A	TDK	1	Share with Simon & Jaryd	25	0.042	0	1.05	
Capacitor	GRM063C7010K47RNT	TDK	1	0.01 uF	25	0.042	0	0	
Capacitor	Capacitor (0.01u)	TDK	1	0.01 uF	25	0.091	0	2.275	
Resistor	RC0603FR-13KL	TDK	1	Share with Jaryd	20	0.023	0	0.46	
Conn_01x02_Male	PC0252AAN	TDK	1	Share with Jaryd	0	3.78	0	3.78	
RF Connector	EMPCB.SMAESTJ2.B.H	TDK	1	Share with Jaryd	4	3.07	0	12.28	
Switching Voltage Regulator	LTC1388MS5-3	Linear	1	6	6.66	39.96	7.99	47.95	
Capacitor	CL121A22K4FN8NG	TDK	1	2.2 uF 25V	25	0.095	2.38	10.99	
Capacitor	GRM188R60105K40J1	TDK	1	Share with Evan	25	0.062	1.55	0	1.55
Capacitor	GRM063C7010K47RNT	TDK	1	100 uF 4.5V	11	1.49	11.49	0	11.49
Inductor	IND-LP5030	TDK	1	100 uH	10	1.13	11.3	0	11.3
Capacitor	GRM21BR6106K473L	TDK	1	0 uF	15	0.28	4.2	0	4.2
Capacitor	0603C104K472A	TDK	1	0.1 uF	25	0.042	1.05	0	1.05
Capacitor	C214X5R1E470M160AC	TDK	1	47 uF	15	0.825	12.38	0	12.375
Resistor	CR0603W010R05KEA	TDK	1	10 kohms	25	0.054	0.85	0	0.85
Resistor	RC0603FR-075K62J	TDK	1	5.62 kohms	25	0.023	0.58	0	0.575
Resistor	CR0603W33K2FKIEA	TDK	1	33.2 kohms	25	0.034	0.85	0	0.85
Inductor	LP54018-472MJB	TDK	1	4.7 uH	5	1.08	5.4	0	5.4
Inductor	LP54018-332MJB	TDK	1	3.3 uH	5	1.08	5.4	0	5.4
Inductor	LP5030-222MJB	TDK	1	2.2 uH	5	1.35	6.75	0	6.75
Capacitor	CL10J225MQ0CRNC	TDK	0	2.2 uF	0	1.85	2.78	0	2.775
Capacitor	GRM188R60105K40J1	TDK	1	1uF	25	0.062	1.55	0	1.55
Linear Voltage Regulator	ADP121-AUJZ-S087	TDK	1	3V	0	9.96	4.9	0	4.9
Linear Voltage Regulator	ADP121-AUJZ-S087	TDK	1	3V	0	9.93	11.79	0	11.79
Switch Regulator	TPS60120DCR	TDK	1	1.2V 3.3V 5V	15	0.39	5.85	0	5.85
Connector	PC0252AAN	TDK	1	Share with Jaryd & Simon	0	3.78	7.56	0	7.56
Connector	RC0603W4809KEA	TDK	1	54.9k	25	0.034	0.85	0	0.85
For Modulator:									
Capacitor	530L104K116T	TDK	1	0.1u Capacitor	1	5			https://www.digikey.com/en/products/detail/murata-electronics/GRM188R60105K40J1
RF Connector	EMPCB.SMAESTJ2.B.H	TDK	1	Share with Jaryd & Evan	4	3.07			https://www.digikey.com/en/products/detail/murata-electronics/GRM188R60105K40J1
Power Splitter	TP7W	TDK	1	Power Splitter	2	2			https://www.mouser.com/ProductDetail/Linear-Technology/LP5030-222MJB
Diode	SM5612L-006L-F	TDK	1	Schottky Diode	10				https://www.digikey.com/en/products/detail/siliconix/SI5313F
Diplexer	BDP-6500	TDK	1	Lumped Diplexer	2				https://www.digikey.com/en/products/detail/siliconix/SI5313F
PGA	XC9308-XS10G144	TDK	1		3				https://www.digikey.com/en/products/detail/siliconix/SI5313F
DAC	MAX9852-ET1	TDK	1		3				https://www.digikey.com/en/products/detail/siliconix/SI5313F
Buffer	SI5313F-000214-GMR	TDK	1		6				https://www.digikey.com/en/products/detail/siliconix/SI5313F
Clock Oscillator	STP101A2-25.318-100	TDK	1		3				<