

Part Name	Reference	Additional info	Part Number	Case/Lead Style	Digikey Part Number	Alternative	Qty	Price	Total
Integrated Circuits									
AD8065	U1		AD8065ARZ	SOIC-8	AD8065ARZ-ND		1	4.21	4.21
LT1363	U2		LT1363CS8#PBF	SOIC-8	LT1363CS8#PBF-ND	AD8065	1	5	5
LM3886T	U3		LM3886T/NOPB	TO-220-11	LM3886T-ND		1	6.62	6.62
LM1084	U4, U5		LM1084IT	TO-220-3	LM1084IT-ADJ-ND	LT1083	2	3.13	6.26
LM317EMP	U6		LM317EMP/NOPB	SOT-223	LM317EMPCT-ND		1	1.53	1.53
Transistors/Diodes									
MMBTA06	Q1, Q2, Q3, Q4		MMBTA06	SOT-23-3	MMBTA06FSCT-ND		4	0.22	0.88
MMBTA56	Q5, Q6, Q7, Q8		MMBTA56	SOT-23-3	MMBTA56FSCT-ND		4	0.18	0.72
FLZ12V	D1, D2, D6, D9		FLZ12VA	SOD-80	FLZ12VACT-ND		4	0.11	0.44
ES3BB	D3, D4		ES3BB-13-F	DO-214AA	ES3BB-FDICT-ND		2	0.96	1.92
ES1D	D5, D8		ES1D	DO-214AC	ES1DFSCT-ND		2	0.37	0.74
LL4148	D7		FDLL4148	SOD-80	FDLL4148CT-ND		1	0.08	0.08
TL431	D10		TL431IDBZR	SOT-23-3	296-17332-1-ND		1	0.45	0.45
Capacitors									
220p	C1, C3, C4	50V	ECJ-2VC1H221J	C0805	PCC221CGCT-ND		3	0.049	0.147
470p	C2	50V	ECJ-2VC1H471J	C0805	PCC471CGCT-ND		1	0.049	0.049
100p	C6	50V	ECJ-2VC1H101J	C0805	PCC101CGCT-ND		1	0.049	0.049
390p	C7*(420P), C9	50V	ECJ-2VC1H391J	C0805	PCC391CGCT-ND		2	0.049	0.098
15p	C8, C14	50V	ECJ-2VC1H150J	C0805	PCC150CNCT-ND		2	0.097	0.194
5p	C10, C12	50V	ECJ-2VC1H050C	C0805	PCC050CNCT-ND		2	0.097	0.194
47p	C11	50V	ECJ-2VC1H470J	C0805	PCC470CGCT-ND		1	0.049	0.049
10p	C13, C15	200V	ECJ-2VC2D100D	C0805	PCC1971CT-ND		2	0.11	0.22
10μ	C17, C18, C19, C20, C51, C52, C57, C60	25V	ECJ-3YB1E106M	C1206	PCC2326CT-ND		8	0.543	4.344
220μ	C21, C22, C23, C24	25V	EEV-FK1E221P	SMT (Size F)	PCE3409CT-ND		4	0.72	2.88
2200μ	C27, C28, C29, C30	50V	EEU-FC1H222	TH (D18LS7.5LD0.8)	P10335-ND		4	2.6	10.4
0.82u	C31, C32	50V	ECQ-V1H824JL	TH (L7.3T6.8LS5.0LD0.5)	P4674-ND		2	0.323	0.646
220u	C33, C34, C50, C53	50V	EEV-FK1H221P	SMT (Size G)	PCE3474CT-ND		4	0.844	3.376
1500μ	C35, C36, C37, C38, C39, C40, C41, C42, C43, C44	35V	EEU-FM1V152L	TH (D12.5LS5LD0.8)	P12409-ND		10	1.34	13.4
10n	C54, C55	50V	ECJ-2VB1H103K	C0805	PCC103BNCT-ND		2	0.041	0.082
0.1μ	C56, C58, C59	50V	ECJ-2VB1C104K	C0805	PCC1812CT-ND		3	0.089	0.267

Resistors									
8K20	R1	0.1W	RG2012P-822-B-T5	R0805	RG20P8.2KBCT-ND	RR12P8.06KDCT-ND	1	0.578	0.578
2K00	R2, R9, R11	0.1W	RG2012P-202-B-T5	R0805	RG20P2.0KBCT-ND	RR12P2.0KDCT-ND	3	0.578	1.734
1K5	R3, R21	0.1W	RR1220P-152-D	R0805	RR12P1.5KDCT-ND		2	0.14	0.28
100	R4, R40, R42	0.1W	RR1220P-101-D	R0805	RR12P100DCT-ND		3	0.14	0.42
10K0	R5	0.1W	RG2012P-103-B-T5	R0805	RG20P10.0KBCT-ND	RR12P10.0KDCT-ND	1	0.578	0.578
1K	R6	0.1W	RR1220P-102-D	R0805	RR12P1.0KDCT-ND		1	0.14	0.14
0	R7	0.1W	ERJ-6GEY0R00V	R0805	P0.0ACT-ND		1	0.077	0.077
4K02	R8	0.1W	RG2012P-4021-B-T5	R0805	RG20P4.02KBCT-ND	RR12P4.02KDCT-ND	1	0.578	0.578
510	R10	0.1W	RR1220P-511-D	R0805	RR12P510DCT-ND		1	0.14	0.14
33	R12, R15	0.1W	RP2012S-330-F	R0805	RR12Q33DCT-ND		2	0.14	0.28
220	R13	0.1W	RR1220P-221-D	R0805	RR12P220DCT-ND		1	0.14	0.14
33K	R14, R51, R52, R54, R66	0.1W	RR1220P-333-D	R0805	RR12P33.0KDCT-ND		5	0.14	0.7
40K2	R16, R19	0.1W	RG2012P-4022-B-T5	R0805	RG20P40.2KBCT-ND	RR12P40.2KDCT-ND	2	0.578	1.156
10K Trimmer	R17	0.1W	3314G-1-103E	SMD (Size 6.2x5)	3314G-103ECT-ND		1	1.8	1.8
3K3	R18, R20, R24	0.1W	RR1220P-332-D	R0805	RR12P3.3KDCT-ND		3	0.14	0.42
150	R22	0.1W	RR1220P-151-D	R0805	RR12P150DCT-ND		1	0.14	0.14
80K6	R23 (*80K9)	0.1W	RG2012P-8062-B-T5	R0805	RG20P80.6KBCT-ND	RR12P80.6KDCT-ND	1	0.578	0.578
1	R26, R27, R28, R29	0.1W	RL1220S-1R0-F	R0805	RL12S1.00FCT-ND		4	0.344	1.376
300	R30, R31, R32, R33	0.5W	ERJ-P14J301U	R1210	P300ASCT-ND		4	0.356	1.424
2K	R36, R38	1W	CRCW25122K00JNEG	R2512	541-2.0KXCT-ND		2	0.399	0.798
500 Trimmer	R37, R39	0.1W	3314G-1-501E	SMD (Size 6.2x5)	3314G-501ECT-ND		2	1.8	3.6
120	R41, R43	0.1W	RR1220P-121-D	R0805	RR12P120DCT-ND		2	0.14	0.28
560	R44, R45	2W	PR02000205600JR500	TH (PR02LS17.8LD0.8)	PPC560W-2CT-ND	PPC560W-2CT-ND	2	0.604	1.208
33	R50, R62	0.33W	RP2012S-330-F	R0805	RP20S33FCT-ND		2	0.536	1.072
510K	R53	0.1W	RR1220P-514-D	R0805	RR12P510KDCT-ND		1	0.14	0.14
270	R55	0.1W	RR1220P-271-D	R0805	RR12P270DCT-ND		1	0.14	0.14
4K7	R56, R65, R67, R68, R70	0.25W	ERJ-P06J472V	R0805	P4.7KADCT-ND		5	0.165	0.825
22K	R57, R59, R63	0.1W	RR1220P-223-D	R0805	RR12P22.0KDCT-ND		3	0.14	0.42
2K2	R58, R64	0.1W	RR1220P-222-D	R0805	RR12P2.2KDCT-ND		2	0.14	0.28
220K	R60	0.1W	RR1220P-224-D	R0805	RR12P220KDCT-ND		1	0.14	0.14
100K	R61	0.1W	RR1220P-104-D	R0805	RR12P100KDCT-ND		1	0.14	0.14
Relay									
G2RL-24	K1		G2RL-24-DC24	TH	Z148-ND		1	4.03	4.03
Connectors									
3 Pins Signal	J1	To be defined?		TH					0
4 Pins Power	J2	To be defined?		TH					0
2 Pins Signal	J3	To be defined?		TH					0
2 Pins Power	J4	To be defined?		TH					0
								Total, USD	90.857

Notes:

TH means Through-hole