

Item Number	Description	Value	Part Reference	Quantity	Distributor PN	Manufacturer PN	Manufacturer	Datasheet	Distributor
1	CAP CER 1UF 25V 10% X7R 0805	1.0uF	C1 C3 C11 C12 C14	5	C0805C105K3RACTU-ND	C0805C105K3RACTU	Kemet	http://www.kemet.com/datasheets&C	Digi-Key
2	CAP TANT 10UF 10V 10% 1210	10uF	C4	1	478-4153-1-ND	TPST106K010R1000	AVX Corporation	http://www.avx.com/docs/Catalogs/tp	Digi-Key
3	CAP CER 0.1UF 50V X7R 0805	0.1uF	C5 C6 C8 C9	4	490-8049-2-ND	GCM21BR71H104KA37K	Murata Electronics North America	https://search.murata.co.jp/Ceramy/in	Digi-Key
4		10.0pF	C7 C10	2		C1206C100J1GAC	Kemet		
5	CAP CER 1UF 50V 10% X7R 0805	1.0uF	C13 C15	2	399-7409-1-ND	C0805C105K5RACTU	Kemet	http://www.kemet.com/datasheets&C	Digi-Key
6	DIODE GEN PURP 75V 250MA SOD523	CMOD6001 TR	D1	1	CMOD6001 CT-ND	CMOD6001 TR	Central Semiconductor Corp	https://www.centrasemi.com/get_doc	Digi-Key
7	CONN HEADER VERT 2POS 3.81MM	1803426	J2 J4 J5 J7	4	277-1221-ND	1803426	Phoenix Contact	http://media.digikey.com/pdf/Data%2f	Digi-Key
8	CONN HEADER VERT 3POS 3.81MM	1803439	J3 J6	2	277-1222-ND	1803439	Phoenix Contact	http://media.digikey.com/pdf/Data%2f	Digi-Key
9	CONN HEADER 2POS .100 VERT GOLD	70543-0001	J8	1	WM4800-ND	70543-0001	Molex Inc	http://www.molex.com/pdm_docs/sd/	Digi-Key
10	CONN HEADER VERT .100 2POS 15AU	87227-1	JP1 JP3 JP4 JP5 JP7 JP8	6	A26565-ND	87227-1	TE Connectivity	http://www.te.com/commerce/Docum	Digi-Key
11	22 AWG Jumper, Pins 1-2	LS=0.100"	JP2 JP6	2	A26544-ND	87220-3	TE Connectivity		
12	TERM BLOCK PLUG 2POS 3.81MM	1826979	P2 P4 P5 P7	4	277-1176-ND	1826979	Phoenix Contact	http://media.digikey.com/pdf/Data%2f	Digi-Key
13	TERM BLOCK PLUG 3POS 3.81MM	1826982	P3 P6	2	277-1177-ND	1826982	Phoenix Contact	http://media.digikey.com/pdf/Data%2f	Digi-Key
14	CONN HOUSING 2POS .100 W/LATCH	50-57-9402	P8	1	WM2900-ND	50-57-9402	Molex Inc	http://www.molex.com/pdm_docs/sd/	Digi-Key
15	DC DC CONVERTER +/-15V 3W	RS3-2415D	PS1	1	945-1322-ND	RS3-2415D	Recom Power	https://www.recom-power.com/pdf/Ec	Digi-Key
16	MOSFET N-CH 60V 2.3A SOT23-3	SI2308BDS-T1-E3	Q1	1	SI2308BDS-T1-E3CT-ND	SI2308BDS-T1-E3	Vishay Siliconix	http://www.vishay.com/docs/69958/s	Digi-Key
17	TO BE DETERMINED, HEIGHT 0.022"	TBD	R1 R2 R23 R24	4					
18	RES SMD 10K OHM 1% 1/10W 0603	10.0K	R3 R13	2	541-10.0KHCT-ND	CRCW060310K0FKEA	Vishay		Digi-Key
19		100	R4 R14	2		CRCW0603100RJNEA	Vishay		
20	TRIMMER 1K OHM 0.5W TH	1K	R5 R15	2	3296Y-102LF-ND	3296Y-1-102LF	Bourns Inc.	http://www.bourns.com/data/global/F	Digi-Key
21	RES 249 OHMS 0.1% 0.4W 1206	249	R6 R16	2	A140061CT-ND	RQ73C2B249RBDT	TE Connectivity Passive Product	https://media.digikey.com/pdf/Data%2f	Digi-Key
22		8.25K	R7 R17	2		CRCW06038K25FKEA	Vishay		
23		499	R8 R18	2	541-499FTR-ND	CRCW1206499RFKEA	Vishay	DatasheetPath\Vishay\dcrcwe3.pdf	Digi-Key
24	RES 0.0 OHM 1/10W 0603 SMD	0.0	R9 R19	2	541-0.0GCT-ND	CRCW06030000Z0EA	Vishay/Dale	http://www.vishay.com/doc?20035	Digi-Key
25	RES SMD 16.5KOHM 0.1% 1/10W 0603	16.5k	R10 R11 R20 R21	4	P16.5KDBCT-ND	ERA-3AEB1652V	Panasonic Electronic Components	https://industrial.panasonic.com/cdbs	Digi-Key
26	RES SMD 1K OHM 1% 1/4W 1206	1.00K	R12 R22	2		CRCW12061K00FKEA	Vishay		
27	RES ARRAY 4 RES 100K OHM 1206	100k	RN1 RN2	2	749-1031-2-ND	ACASA1003S1003P100	Vishay Beyschlag	http://www.vishay.com/docs/28751/a	Digi-Key
28	TEST POINT PC MINI .040"D ORANGE	ORANGE	TP1	1		5003	Keystone Electronics	DatasheetPath\Keystone Electronics\M	
29	TEST POINT PC MINI .040"D RED	RED	TP2	1	36-5000-ND	5000	Keystone Electronics	DatasheetPath\Keystone Electronics\M	Digi-Key
30	TEST POINT PC MINI .040"D BLACK	BLACK	TP3	1	36-5001-ND	5001	Keystone Electronics	DatasheetPath\Keystone Electronics\M	Digi-Key
31	TEST POINT PC MINI .040"D WHITE	WHITE	TP4 TP5	2		5002	Keystone Electronics	DatasheetPath\Keystone Electronics\M	
32	TEST POINT PC MINI .040"D YELLOW	YELLOW	TP6	1		5004	Keystone Electronics	DatasheetPath\Keystone Electronics\M	
33	IC VREF SERIES PREC 2.5V SC-70-3	REF3325AIDCKT	U2	1	296-22642-1-ND	REF3325AIDCKT	Texas Instruments	http://www.ti.com/lit/ds/symlink/ref3	Digi-Key
34	IC OPAMP GP 400KHZ RRO 8MSOP	LT6020HMS8#PBF	U3	1	LT6020HMS8#PBF-ND	LT6020HMS8#PBF	Linear Technology/Analog Devices	http://www.linear.com/docs/44346	Digi-Key
35	IC OPAMP VFB 69MHZ RRO 8SOIC	AD8397ARZ	U4 U5	2	AD8397ARZ-ND	AD8397ARZ	Analog Devices Inc.	https://www.analog.com/media/en/te	Digi-Key
36	IC REG LDO 5V 150MA SOT223-3	LT1121IST-5#PBF	U6	1	LT1121IST-5#PBF-ND	LT1121IST-5#PBF	Linear Technology	http://cds.linear.com/docs/Datasheet/	Digi-Key