

Item #	Designator	City	Manufacturer	Mfg Part #	Description / Value	Vendor Part #	Package/footprint	Mounting Type	Category	Your Instructions / Notes	Unit Price(\$ sets)	Total	Delivery Time	Actual Purchase Mfg Part #	PCBWay Note	Customer Reply	PCBWay Update
1	C7, C28, C13		KEMET	C120C104KAR1CAU	CAP CER 0.1UF 250V X7R 1206	Digi-Key T J 399-17175	CAPC316M	Surface Mount, M.C	0.1uF	0.3	\$0.112	\$1,680					
2	C9, C12, C12	Samung	CLJ2181050RNNNE	CAP CER 1UF 50V X7R 0805	Digi-Key T J 1276-1029	CAPC2012M	Surface Mount, M.C	1uF	13.19		\$0.012	\$1,920					
3	C13, C21, C21	Samung	CLJ2181050CANNG	CAP CER 100V 50V X7R 0805	Digi-Key T J 1276-1249	CAPC2012M	Surface Mount, M.C	100V	7.14		\$0.019	\$1,995					
4	C16, C25		Kyocera AVX	CB017E010J3BA	CAP PEN 100NF 100V 5% 1206	Digi-Key T J 478-13000	CAPC316M	Surface Mount	100F	0.2	\$0.772	\$7,720	7-10 Workdays				
5	C23, C24		KEMET	LDCC03180A0M00	CAP FILM 0.1UF 6% 50VDC 1812	Digi-Key T J 399-18519	CAPC432M	Surface Mount	0.1uF	0.2	\$1.004	\$10,040	7-10 Workdays				
6	C43		KEMET	C0805104M050R00	CAP CER 0.1UF 50V X7R 0805	Digi-Key T J 399-03905	CAPC2012M	Surface Mount	0.1uF	1.0	\$0.148	\$0,740					
7	C53		Panasonic	EC4U1C102KX3	CAP FILM 100NF PPSEIV	Digi-Key T J PCF1196C	CAPC2012M		100F	1.0	\$0.441	\$2,205					
8	C55, C57, C3		KEMET	C08053310G5ACTU	CAP CER 3300PF 50V COG 0805	Digi-Key T J 399-80551	CAPC2012M		330pF	3.0	\$0.098	\$1,470					
9	C58		KEMET	C0805104G5ACTU	CAP CER 100NF 100V WPH 0805	Digi-Key T J 399-78921	CAPC2012M		100F	1.0	\$0.111	\$0,555					
10	C104		Yageo	CC0100RNP080R0N3	CAP CER 330PF 500V COG 1206	Digi-Key T J 311-14771	CAPC316M	Surface Mount, M.C	330pF	1.0	\$0.111	\$0,555					
11	C107		KEMET	C0805101JG5ACTU	CAP CER 100PF 50V COG 0805	Digi-Key T J 399-11221	CAPC2012M		100pF	1.0	\$0.111	\$0,555					
12	C108		KEMET	C0805CATJAGAC78	CAP CER 47PF 250V COGNPD 0805	Digi-Key T J 399-10591	CAPC2012M	Surface Mount, M.C	47pF	1.0	\$0.118	\$0,390					
13	D1, D2, D3, D4		Fairchild	5115	DIODE SWITCHING 60V 1A D0-234AC	Digi-Key T J 5115F5CT1	5115A-D		51G	5.9	\$0.101	\$10,079					
14	D16, D40		Nexperia	BAV199-215	DIODE SI 85V 0.16mA SOT-23-3, Rectifier	Digi-Key T J 1727-2009	SOT23-3M	Surface Mount	BAV199	1.1	\$0.134	\$1,340					
15	D60, D51, D5		On Semiconduct	58AT54T10	DIODE SCHOTTKY 30V 200mA SOD-123	Digi-Key T J 50AC7280	SOD123	Surface Mount	BAT54	4.1	\$0.435	\$10,875					
16	D102, D103		Vishay Semicon	1N4148WFL-G3-08	DIODE GP 75V 100MA SOD123FL	Digi-Key T J 1N4148WFL	SOD123	Surface Mount	1N4148	3.0						8% out of stock. Please recommend substitutes or you can supply Res part to us.	
17	D104, D109		Fairchild	BAT54S	DIODE ARRAY SCHOTTKY 30V SOT23-3	Digi-Key T J 54TS45FS	SOT23-3M	Surface Mount	BAT54S	2.0	\$0.100	\$1,000				The part we will supply is made by ST. BAT54S (3-DV 800mV@100mA 200mA SOT-23 (SOT-23-3) Schottky Barrier Diode) 48T	
18	G40, G40, G3		On Semiconduct	MMBT3904L-T1G	TRANS NPN 40V 0.2A SOT23	Digi-Key T J MMBT3904	SOT23-3M	Surface Mount	2N3904	3.0	\$0.119	\$1,785					
19	G103, G113		NXP Semiconduct	BCM857DS-135	Dual Matched Pair PNP SOT763-4M	Digi-Key T J 1727-5440	SC-74	Surface Mount	BCM857DS	2.0	\$0.305	\$3,660					
20	G106, G108		NXP Semiconduct	BCM854T10B0P	N-CH 20V 1.2W Power Mosfet SOT-23	Digi-Key T J 89748244	SOT23-3M	Surface Mount	89748244	2.0	\$0.240	\$0,960					
21	G107, G115		NXP Semiconduct	BCM854TDS-135	Dual Matched Pair PNP SOT763-4M	Digi-Key T J 1727-5458	SC-74	Surface Mount	BCM847DS	2.0	\$0.555	\$5,550	7-10 Workdays				
22	G110		On Semiconduct	MMBT3906L-T1G	TRANS PNP 40V 0.2A SOT23	Digi-Key T J MMBT3906L	SOT23-3M	Surface Mount	2N3906	1.0	\$0.128	\$0,640					
23	R1		Stackpole Elec	RNCF120FT1K03	RES 1.3K OHM 1% 1W 2512	Digi-Key T J RNCF2512	RES0432M		1.3K	0.1	\$0.123	\$1,230					
24	R2, R6		Stackpole Elec	RNCF120FT301K	RES 301K OHM 1% 14W 1206	Digi-Key T J RNCF1206	RES0321M		301K	2.0	\$0.005	\$0,650					
25	R2a, R2b, R6		TE Connectivity	3522K27J	RES 2.7K OHM 5% 3W 2512	Digi-Key T J A121210CT	RES0432M		2.7K	0.6	\$0.802	\$24,060	7-10 Workdays				
26	R3, R7		Stackpole Elec	RNCF120FT100F	RES 33.2 OHM 1% 14W 0805	Digi-Key T J RNCF1206	RES0321M		33.2K	2.0	\$0.006	\$0,660					
27	R4, R5, R3		Stackpole Elec	RNCF2512T100R	RES 100 OHM 1% 1W 2512	Digi-Key T J RNCF2512	RES0432M		100	0.4	\$0.328	\$6,560					
28	R8		KOA Speer	RK73HATD1750F	RES 7.5K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		7.5K	1.0	\$0.148	\$0,740					
29	R10		KOA Speer	RK73HATD1270F	RES 127 OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		127	1.0	\$0.148	\$0,740					
30	R11, R19		KOA Speer	RK73HATD1000F	RES 887 OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		887	2.0	\$0.000	\$0,300					
31	R12, R63, R4		KOA Speer	RK73HATD1000F	RES 100 OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		100	4.0	\$0.071	\$1,420	7-10 Workdays				
32	R14		KOA Speer	RK73HATD1750F	RES 175 OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		175	1.0	\$0.148	\$0,740					
33	R40, R41, R3		KOA Speer	RK73HATD1000F	RES 200 OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		20K	3.0	\$0.123	\$1,090					
34	R42		KOA Speer	RK73HATD1000F	RES 2.2K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		2.2K	1.0	\$0.148	\$0,740					
35	R50, R58, R6		KOA Speer	RK73HATD1000F	RES 1K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		1K	4.2	\$0.123	\$3,690					
36	R51		KOA Speer	RK73HATD1000F	RES 1.5K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		1.5K	1.0	\$0.148	\$0,740					
37	R52		KOA Speer	RK73HATD1000F	RES 13K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		13K	1.0	\$0.148	\$0,740					
38	R53, R56, R9		KOA Speer	RK73HATD1000F	RES 100K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		100K	8.1	\$0.068	\$3,060	7-10 Workdays				
39	R54		KOA Speer	RK73HATD1000F	RES 200K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		200K	1.0	\$0.148	\$0,740					
40	R55		KOA Speer	RK73HATD1000F	RES 481K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		481K	1.0	\$0.148	\$0,740					
41	R61		Stackpole Elec	RNCF120FT750R	RES 750 OHM 1% 14W 1206	Digi-Key T J RNCF1206	RES0321M		750	1.0	\$0.092	\$0,460					
42	R63		KOA Speer	RK73HATD1000F	RES 6.1K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		6.1K	1.0	\$0.148	\$0,740					
43	R64		Stackpole Elec	RNCF120FT100R	RES 10 OHM 1% 14W 1206	Digi-Key T J RNCF1206	RES0321M		10	1.0	\$0.092	\$0,460					
44	R103		Stackpole Elec	RNCF120FT100R	RES 100 OHM 1% 14W 1206	Digi-Key T J RNCF1206	RES0321M		100	1.0	\$0.092	\$0,460					
45	R105, R106		KOA Speer	RK73HATD1000F	RES 200 OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		200	2.0	\$0.071	\$0,710	7-10 Workdays				
46	R108		KOA Speer	RK73HATD1000F	RES 18K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		18K	1.0	\$0.148	\$0,740					
47	R109		Stackpole Elec	RNCF120FT221R	RES 221 OHM 1% 14W 1206	Digi-Key T J RNCF1206	RES0321M		221	1.0	\$0.092	\$0,460					
48	R111, R127		KOA Speer	RK73HATD1498RF	RES 49.9 OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		49.9	3.0	\$0.068	\$1,020	7-10 Workdays				
49	R112		Stackpole Elec	RNCF120FT3K48	RES 3.48K OHM 1% 14W 1206	Digi-Key T J RNCF1206	RES0321M		3.48K	1.0	\$0.092	\$0,460					
50	R113		Stackpole Elec	RNCF120FT162R	RES 162 OHM 1% 14W 1206	Digi-Key T J RNCF1206	RES0321M		162	1.0	\$0.092	\$0,460					
51	R114		KOA Speer	RK73HATD1000F	RES 2K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		2K	1.0	\$0.148	\$0,740					
52	R117, R120		Stackpole Elec	CSRN2512PKR500	RES 0R5 OHM 1% 2W 2512	Digi-Key T J CSRN2512	RES0432M		0R5	2.0	\$0.363	\$3,630					
53	R118		TE Connectivity	3522K27J	RES 1.5K OHM 5% 3W 2512	Digi-Key T J A121210CT	RES0432M		1.5K	0.6	\$1.017	\$6,102					
54	R122, R136		KOA Speer	RK73HATD1498RF	RES 499 OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		499	5.0	\$0.111	\$2,775					
55	R123, R134		KOA Speer	RK73HATD1000F	RES 10K OHM 1% 14W 0805	Digi-Key T J 2019-RK73	RES0212M		10K	3.0	\$0.090	\$1,350	7-10 Workdays				
56	R125		Stackpole Elec	RNCF120FT100R	RES 100 OHM 1% 14W 1206	Digi-Key T J RNCF1206	RES0321M		100	1.0	\$0.092	\$0,460					
57	R126		Stackpole Elec	CSRT2512T100R4UF	RES 10 OHM 1% 3.5W 2512	Digi-Key T J 738-CSRT2	RES0432M		10R0	0.1	\$1.249	\$6,245	7-10 Workdays				
58	R130, R131		KOA Speer	RK73HATD1E322F	RES 2.21 OHM 1% 1W 2512	Digi-Key T J 13AC2512	RES0432M		2R21	2.0	\$0.627	\$6,270	7-10 Workdays				
59	R132, R133		Yageo	RC2125H-7292L	RES 292 OHM 1% 2W 2512	Digi-Key T J 13AC2512	RES0432M		292	2.0	\$0.328	\$3,280					
60	U10		Texas Instrum	LM11702T-1R	IC REG LDO ADJ 1.5A D2PAK	Digi-Key T J 449-11711	D2PAK	Surface Mount	LM117	1.0	\$0.668	\$3,340					
61	U11		On Semiconduct	MC78M05DGT	LDO Regulator, 500mA, 5 V, Negative 4% T	Digi-Key T J MC78M05	OPAK-M	Surface Mount	LM7805	1.0	\$0.839	\$4,195	7-10 Workdays				
62	U12		Texas Instrum	LM317LJPK	Linear Voltage Regulator IC Positive Adjuste	Digi-Key T J 296-2142	SOT89M	Surface Mount	LM317	1.0	\$0.570	\$2,850					
63	U13		On Semiconduct	LMC11C02TRNG	10V PDS 0.5A V, REG	Digi-Key T J MC78M15C	OPAK-M	Surface Mount	78M15	1.0	\$0.531	\$2,655					
64	U31		On Semiconduct	MC78M15CDTRNG	IC REG LINEAR -15V 500MA DPAK	Digi-Key T J MC78M15C	OPAK-M	Surface Mount	78M15	1.0	\$1.187	\$5,935					
65	U40		Texas Instrum	LM431BCMN09B	V-Ref Adjustable 2.5V to 20V 100mA Autozero	Digi-Key T J LM431BCM	SOT23-3M	Surface Mount	TL431	1.0	\$1.830	\$9,150	7-10 Workdays				
66	U50		On Semiconduct	LMC4032CPWRP9B	IC OSC SQUARE TRMR 300K 4.5-SOIC	Digi-Key T J LMC4032CP	SOT123P6X10H-48H	Surface Mount	LMC4035	1.0	\$1.176	\$5,840					
67	U51		STMicroelect	HC4555VM1313R	CMOS NAND w/50mVt trimmer	Digi-Key T J 497-14376	SOIC12P6X10-4M	Surface Mount	HC4503	1.0	\$2.560	\$2,560					
68	U52, U100		Texas Instrum	TL071HDBVR	IC OPAMP JET 1 CIRCUIT SOT23-6	Digi-Key T J 296-TL071	SOT96P30X130-M	Surface Mount	TL071	3.0	\$0.515	\$7,725	7-10 Workdays				
69	U53		Vishay Linc	CHY11-15	OPTICOD TRIMMER W/50M 50MΩ	Digi-Key T J 160-1359	SOIC28P41000H	Surface Mount	CHY17-15	1.0	\$0.837	\$4,185	7-10 Workdays				
70	C1, C3, C5		Kemet	RNCF120FT100R	CAP PET 100V 10V VAC 20% VCC 3%	Digi-Key T J 399-18539	RA0213W5	Through Hole	100F	3.0	\$0.227	\$3,405	7-10 Workdays				
71	C2		Panasonic	ECQ-E2104KF	CAP METALIZED POLYESTER 0.1UF 250V	Digi-Key T J EF2104	RA0213W5	Through Hole	0.1uF	1	\$0.796	\$3,980					
72	C4, C5		CDE Buss Co	154MMR25K	CAP METALIZED POLYESTER 0.15UF 250V	Digi-Key T J 1527-1198	RA0213W5	Through Hole	0.15uF	2							
73	C6		Corneil Dubied	3522K27J	CAP ALUM 2200UF 20% 250V SNAF	Digi-Key T J 338-3525A	CAPR10-35X41	Through Hole	2200uF	1	\$2.000	\$2,000				Qty 17	
74	C8 alternat1		Corneil Dubied	350LQ152M05A052	CAP ALUM 1500UF 20% 250V SNAF	Digi-Key T J 338-2245S											