

Item	Qty	Part Number	Value	Ref.Des.	PCB Footprint	Vendor	Vendor PN	Manufacturer
1	24	B45196H3106M109	10u/16V	C1,C3,C4,C6,C10,C12,C14,C15,C23, C24,C28,C35,C40,C41,C43,C52,C53, C59,C70,C72,C73,C80,C81,C83	3216	Future	495-2237-2-ND	Epcos
2	2	GRM2165C1H272JA01D	2n7	C22,C2	0805	DigiKey	490-1630-1-ND	Murata
3	6	B37941K9224K60	220n	C5,C11,C29,C30,C31,C32	0805	DigiKey	495-1936-1-ND	Epcos
4	5	ECJ-2VC1H471J	470p	C7,C16,C25,C37,C58	0805	DigiKey	PCC471CGCT-ND	Panasonic
5	22	GRM219F51H104ZA01D	100n	C8,C9,C13,C17,C26,C27,C34,C38, C39,C42,C45,C50,C55,C57,C61, C64,C67,C68,C75,C76,C78,C82	0805	Mouser	81-GRM40Y104Z50D	Murata
6	4	EMVY6R3ADA221MF55G	220u/6V	C18,C19,C20,C21	UWT66LARGEPAD	DigiKey	565-2411-1-ND	United Chem Con
7	3	C0805C103K5RACTU	10n	C33,C56,C66	0805	DigiKey	399-1158-1-ND	Kemet
8	3	B45196H3476K309	47u/16V	C36,C49,C60	6032	DigiKey	495-2247-2-ND	Kemet
9	9	B45196H5105K109	1 u/25V	C44,C46,C48,C62,C63,C65, C69,C74,C77	3216	DigiKey	495-2268-2-ND	Kemet
10	1	B37641K9105K62	1u0	C47	0805	DigiKey	495-1907-1-ND	Epcos
11	1	ECJ-2FB0J106M	CAP 10UF 6.3V CERAMIC X5R 0805	C51	0805	DigiKey	PCC2225CT-ND	Panasonic
12	2		not used	R31,C54	0805	None		None
13	2	GRM2165C1H222JA01D	CAP CER 2200PF 50V 5% C0G 0805	C79,C71	'0805	DigiKey	490-1628-1-ND	Murata
14	1	BAT54	DIODE SCHOTTKY 30V 200MA SOT23	D1	SOT23A	Mouser	512-BAT54	Fairchild
15	8	EXC-CET102U	EMI FILTER 1000PF 50V SMD	FL1,FL2,FL3,FL4,FL5,FL6,FL7,FL8	EXCCET	DigiKey	P9830TR-ND	Panasonic
16	9	22-28-4020	JUMPER-CONN HEADER 2POS .100 VERT TIN	JP1,JP2,JP3,JP4,JP5,JP6, JP10,JP11,JP12	J2P	Force	22-28-4020	Molex
17	3	22-28-4030	MIC BIAS-CONN HEADER 3POS .100 VERT TIN	JP7,JP8,JP9	J3P	Force	22-28-4030	Molex
18	6	SJ1-3533NG	UNBAL AUD-CONN JACK STEREO R/A 3PIN 3.5MM	J1,J3,J4,J5,J6,J7	SJ3533	DigiKey	CP1-3533NG-ND	CUI
19	1	5520250-3	ALT AUD-CONN MOD JACK 6-6 R/A PCB 50AU	J2	ICD2	TTI	5520250-3	Tyco
20	1	1725672-DNI	ALT PWR- CONN TERM BLOCK 2.54MM 4POS	J8-DNI	PHX4	DigiKey	277-1275-ND	Phoenix Contact
21	4	LTST-C170CKT	LED RED CLEAR 0805 SMD	LED1,LED2,LED3,LED6	LED 0805	DigiKey	160-1176-2-ND	Lite-On
22	1	LTST-C170YKT	LED YEL CLEAR 0805 SMD	LED4	LED 0805	DigiKey	160-1175-1-ND	Lite-On
23	1	LTST-C170GKT	LED GREEN CLEAR 0805 SMD	LED5	LED 0805	DigiKey	160-1179-1-ND	Lite-On
15	2	M2.5X10MM SCREWS	M2.5X10MM SCREWS ZINC	M1,M2		AIH	AIH	
16	2	M2.5 NUTS	M2.5 NUTS ZINC	M3,M4		AIH	AIH	
24	1	09-03-196-6921	DIN 41612 Signal Conn 96P 2A MALE R/A SLDR	P1	DIN96_ABC/R	Mouser	617-09-03-196-6921	Harting
25	1	10-89-7101	JTAG - CPLD	P2	J10P	Mouser	538-10-89-7101	Molex
26	1	90121-0125	BAL AUD - ALT	P3	J5P	RS Electronics	90121-0125	Molex
27	6	266-100K-RC	Res Netwrk Comm Bus 10PIN 100K 2%	RP1,RP2,RP3,RP4,RP5,RP6	SIP10PLARGEPAD	Mouser	266-100K-RC	Xicon
28	1	RC0805FR-078K2L	RES 8.20K OHM 1/8W 1% 0805 SMD	R1	0805	DigiKey	311-8.20KCRCT-ND	Yageo
29	2	RC0805FR-0739KL	RES 39.0K OHM 1/8W 1% 0805 SMD	R2,R17	0805	DigiKey	311-39.0KCRCT-ND	Yageo

30	4	RC0805FR-073K3L	RES 3.30K OHM 1/8W 1% 0805 SMD	R3,R9,R32,R35	0805	DigiKey	311-3.30KCRCT-ND	Yageo
31	4	RC0805FR-0791RL	RES 91.0 OHM 1/8W 1% 0805 SMD	R4,R13,R19,R25	0805	DigiKey	311-91.0CRCT-ND	Yageo
32	10	RC0805FR-0710KL	RES 10.0K OHM 1/8W 1% 0805 SMD	R5,R7,R11,R16,R22,R27, R34,R37,R40,R42	0805	DigiKey	311-10.0KCRTR-ND	Yageo
33	6	RC0805FR-07634RL	RES 634 OHM 1/8W 1% 0805 SMD	R6,R12,R15,R21,R23,R26	0805	DigiKey	311-634CRTR-ND	Yageo
34	4	RC0805FR-07100KL	RES 100K OHM 1/8W 1% 0805 SMD	R8,R14,R18,R20	0805	DigiKey	311-100KCRCT-ND	Yageo
35	1	RC0805FR-0720RL	RES 20.0 OHM 1/8W 1% 0805 SMD	R10	0805	DigiKey	311-20.0CRCT-ND	Yageo
36	2	RC0805FR-07120RL	RES 120 OHM 1/8W 1% 0805 SMD	R24,R38	0805	DigiKey	311-120CRCT-ND	Yageo
37	1	RC0805FR-07866RL	RES 866 OHM 1/8W 1% 0805 SMD	R28	0805	DigiKey	311-866CRCT-ND	Yageo
38	1	RC0805FR-076K8L	RES 6.80K OHM 1/8W 1% 0805 SMD	R29	0805	DigiKey	311-6.80KCRTR-ND	Yageo
39	1	RC0805FR-0768KL	RES 68.0K OHM 1/8W 1% 0805 SMD	R30	0805	DigiKey	311-68.0KCRCT-ND	Yageo
40	1	RC0805FR-07220RL	RES 220 OHM 1/8W 1% 0805 SMD	R33	0805	DigiKey	311-220CRCT-ND	Yageo
41	1	RC0805FR-07360RL	RES 360 OHM 1/8W 1% 0805 SMD	R36	0805	DigiKey	311-360CRCT-ND	Yageo
42	2	RC0805FR-071KL	RES 1.00K OHM 1/8W 1% 0805 SMD	R41,R39	0805	DigiKey	311-1.00KCRTR-ND	Yageo
43	0	RC0805FR-072KL	RES 2.00K OHM 1/8W 1% 0805 SMD	not used	0805	DigiKey	311-2.00KCRCT-ND	Yageo
44	1	RC0805FR-071K5L	RES 1.50K OHM 1/8W 1% 0805 SMD	R43	0805	DigiKey	311-1.50KCRCT-ND	Yageo
45	1	test points (no part)	GND	TP1	J2P	None		None
46	2	test points (no part)	GNDA	TP4,TP2	J2P	None		None
47	1	test points (no part)	EXP4	TP3	TP1A	None		None
48	4	LT1128CS8#PBF	IC OP-AMP LOW NOISE SNGL 8-SOIC	U1,U3,U4,U6	SO8NB	Linear Tech	LT1128CS8#PBF-ND	Linear Tech
49	2	NE5532DR	IC OP AMP DUAL LOW-NOISE 8-SOIC	U14,U2	SO8NB	Mouser	595-NE5532DR	TI
50	1	LD1117SC-R	IC REG LDO POS 800MA ADJ SOT223	U5	SOT223	NuHorizons	LD1117SC-R	ST Micro
51	1	AK5394AVSP	AK5394A	U7	SO28WB	All American	AK5394AVSP	AKM
52	1	LM340S-5.0	IC REGULATOR POSITIVE 5V TO-263	U8	TO263-3	DigiKey	LM340S-5.0-ND	NSC
53	1	TLV320AIC23BIPWR	IC STEREO AUDIO CODEC 28-TSSOP	U9	SSOP28	DigiKey	296-15031-1-ND	TI
54	1	LM2991S/NOPB	IC REG NEG LDO ADJ V 1A TO-263-5	U10	TO263-5	DigiKey	LM2991S-ND	NSC
55	1	EPM240T100C5N	IC MAX II CPLD 240 LE 100-TQFP	U11	TQFP100	Altera	EPM240T100C5N	Altera
56	1	LD1117S33TR	IC LDO REGULATOR +3.3V 8 SOIC	U12	SOT223	Mouser	511-LD1117S33	ST Micro
57	1	DS2431P+	IC EEPROM 1KB 1-WIRE 6-TSOC	U13	TSOC6	Maxim/Dallas	DS2431P+	Dallas
58	1	CVXO-018TX-50-12.288	Voltage Controlled Clock Oscillators SMD 12.288 MHZ	XO1	AVX5X7-6	Mouser	549-CVXO018TX5012.28	Crystek
59	0	VCS25AXT-128 12.288MHZ	Voltage Controlled Clock Oscillators SMD 12.288 MHZ		AVX5X7-6	Mouser	559-VCS25AXT-1229	Fox
60	12	68786-102	Bergcon Connectors SHUNT 15u GOLD	JP1,JP2,JP3,JP4,JP5,JP6,JP7, JP8,JP9,JP10,JP11,JP12	Jumper 2.54MM	FCI	Mouser	649-68786-102