

Item	Qty	Reference	Part Value	Voltage	Current	Tol	Type	Part Number	Manufacturer	PCB Footprint
1	3	C1,C44,C45	220uF	35V	850mA	20%	Alum Lo-ESR Hi-Irpi SMT FP	EEE-FP1V221AP	Panasonic	CAP-EEE-FP-10x10.5
2	7	C2,C5,C6,C22,C23,C38,C46	10uF	35V		10%	X6S			C1206
3	22	C3,C4,C7,C8,C12,C13,C14,C16,C17,C18,C25,C27,C32,C34,C35,C39,C40,C41,C43,C47,C50,C51	100nF	50V		10%	X7R			C0402
4	7	C9,C11,C15,C19,C24,C26,C33	10uF	10V		10%	X7R			C0805
5	3	C10,C36,C42	3.3nF	50V		5%	NP0			C0603
6	2	C20,C21	100pF	50V		5%	NP0			C0402
7	2	C28,C29	27pF	50V		5%	NP0			C0402
8	1	C30	100uF	6.3V		20%	X5R			C1210
9	2	C31,C37	56nF	50V		10%	X7R			C0402
10	2	C48,C49	390pF	50V		5%	NP0			C0402
11	2	C52,C53	4.7uF	25V		10%	X7R			C0805
12	1	D1	MBRA340T3G	40V	3A		Schottky Power	MBRA340T3G	ON Semi	SMA
13	2	D2,D3	MMDL914T1	100V	200mA		Hi-Speed Switching	MMDL914T1G	ON Semi	SOD-323
14	2	FB1,FB2	220ohm@100MHz		2.0A		Hi-Freq WideBand	BLM18EG221SN1D	muRata	L0603
15	1	JP1	TMM-102-01-T-D-SM	450V	2A		Hdr St 2m SM 0.5mSq 2x2 Sn 3.2mPn	TMM-102-01-T-D-SM	Samtec	CON-2mm-ST-TMM-2x2
16	1	J1	PJ-002AH-SMT	24V	5A		DC Pwr Jack RA SM NC 5.0D 2.1ID	PJ-002AH-SMT	CUI	CON-PJ-02BH-SMT
17	1	J2	SJ-3523-SMT	12V	1A		Audio Jack 3.5mm Stereo RA SM	SJ-3523-SMT	CUI	CON-SJ-352x-SMT
18	1	J3	N2510-5002-RB	500V	1.75-5A		Hdr RA 4-Wall 2.54m T-H 2x5 Au	N2510-5002-RB	3M	CON-100-RA-4WL-2x5
19	1	L1	56uH		1.9A	20%	Ferrite Shielded 0.118ohm	MSS1048T-563MLC	Coilcraft	IND-MSS1048
20	1	PSH1	2SN-BK-G	675V	2A		Shnt St 2m 0.5mSq 1x2 Au 2.3mLPn	2SN-BK-G	Samtec	
21	1	Q1	ZXTP25040DZTA	40V	3A		PNP BiPir Med Pwr 40Vce h-200	ZXTP25040DZTA	DI	SOT-89
22	1	Q2	MMDT2222V	40V	0.6A		NPN x2 BiPir Sml Sig 40Vce h-75	MMDT2222V-7	DI MCC Central	SOT-563
23	1	Q3	MMDT2907V	60V	0.6A		PNP x2 BiPir Sml Sig 60Vce h-100	MMDT2907V-7	DI MCC Central	SOT-563
24	1	Q4	FDS4935A	30V	7A		P-Ch x2 MOSFET L5 35mo 21nC	FDS4935A	Fairchild	SO-8
25	1	Q5	FDS8984	30V	7A		N-Ch x2 MOSFET L5 30mo 7nC	FDS8984	Fairchild	SO-8
26	1	RJ1	0		1.0A	50mohm Max	0ohm Jumper Silver			JP3-0402
27	1	R1	140K	50V		1%	Thick Film			R0402
28	1	R2	78.7K	50V		1%	Thick Film			R0402
29	2	R3,R12	1.00K	50V		1%	Thick Film			R0402
30	4	R4,R5,R15,R33	49.9K	50V		1%	Thick Film			R0402
31	10	R6,R7,R9,R10,R11,R16,R17,R18,R22,R24	10.0K	50V		1%	Thick Film			R0402
32	1	R8	18.2K	50V		1%	Thick Film			R0402
33	2	R13,R41	100	50V		1%	Thick Film			R0402
34	1	R14	56.2	50V		1%	Thick Film			R0402
35	1	R19	475	50V		1%	Thick Film			R0402
36	2	R20,R21	10K			25%	Trim Pot 1-Tm Open Top 0.15W SM	3303W-3-103E	Bourns	RTP-3303W-4033mm
37	4	R23,R29,R32,R40	3.32K	50V		1%	Thick Film			R0402
38	2	R25,R26	221	50V		1%	Thick Film			R0402
39	2	R27,R30	10.0	50V		1%	Thick Film			R0402
40	2	R28,R31	274	50V		1%	Thick Film			R0402
41	1	SW1	EG1381A	6V	300mA		Slide Mini SP3T St SM 10KC	EG1381A	E-Switch	SW-EG1381A-13055mm
42	0	TP1,TP2,TP3,TP4,TP5,TP6,TP8,TP9,TP10,TP11,TP13	Test Point				Test Point			TP-TH-20x13
43	2	TP7,TP12	TP-SM-5015				Test Point Loop SMT 1.5mmT	5015	Keystone Elec	TP-SM-2710mm
44	1	U1	NCP4629HDT060	4-30Vs	500mA	2%	V Reg LDO 6.0Vo CE	NCP4629HDT060T5G	ON Semi	TO-252-5-10x7mm
45	1	U2	ADP3336ARMZ	2.6-15Vs	500mA	2%	V Reg LDO Var /SD 1.5-10Vo	ADP3336ARMZ-REEL7	Analog Dev	MSOP-8-3x5mm
46	1	U3	ADAU1701JSTZ	3.3Vs	150mA		DSP Audio ADC DAC	ADAU1701JSTZ	Analog Dev	QFP-48-9x9mm
47	1	U4	24AA256-ISN	1.7-5.5Vs	3mA		Mem Ser EE I2C 256Kb 1.7V	24AA256-ISN	uChip	SO-8-5x6mm
48	1	U5	ADM811TARTZ	1.0-5.5Vs	15uA	3%	uP Supr /RST PP /MR 140ms 3.08Vth	ADM811TARTZ-REEL7	Analog Dev	SOT-143-3x2.6mm
49	1	U6	TL494CDR	7-40Vs	200mA		IC PWM Cntrl PP-SE Out	TL494CDR	TI	SO-16-10x6mm
50	1	U7	74HC4049PW	2-6Vs	20uA		Inv H-L-Lvl x6 HC 15Vin 4mA	74HC4049PW	NXP TI	TSSO-16-5x6.6mm
51	39	XS1,XS2,XS3,XS4,XS5,XS6,XS7,XS8,XS9,XS10,XS11,XS12,XS13,XS14,XS15,XS16,XS17,XS18,XS19,XS20,XS21,XS22,XS23,XS24,XS25,XS26,XS27,XS28,XS29,XS30,XS31,XS32,XS33,XS34,XS35,XS36,XS37,XS38,XS39	T4010B4	30Vpp			Spkr Piezo 120dB 100dg-FA	T4010B4	Nicera	SPK2-T4010
52	1	X1	12.288MHZ			20ppm	ABM8G 4Pn Par 18pF -40-85C	ABM8G-12.288MHz-18-D2Y-T	Abrakon	XTL4-3225mm
Highest Ref Used: C53, D3, FB2, JP1, J3, L1, Q5, RJ1, R41, SW1, TP13, U7, XS39, X1 Ref Not Used: R34-R39 Do Not Install: TP1-TP6, TP8-TP11, TP13 Install: RJ1 at position 1-2, PSH1 at pos 1-2										