

Wiener Pro Parts List

As of July 2, 2016, gmarsh/diyaudio

Reference Designator	Qty	Manufacturer	Part #	Description
C1, C2, C9, C12	4	Murata	GRM3195C1H103JA01D	10n/50v, 1206, NPO
C3-C6	4	Epcos/TDK	B32529C224J B32529C474J B32529C684J B32529C155J	0.22u/63v, 5% (16 ohm) 0.47u/63v, 5% (8 ohm) 0.68u/63v, 5% (6 ohm) 1.5u/63v, 5% (4 ohm)
C7, C8, C10, C11, C17, C18, C52-C55, C64	11	Murata	GRM1885C1H102JA01D	1000p/50v, 0603, NPO
C13, C14, C56	3	Murata	GRM32ER71H106KA12L	10u/50v, 1210, X7R
C15, C16, C23-C26, C45, C57	8	Murata	GRM219R71H334KA88D	330n/50v, 0805, X7R
C19-C22, C31-C34	8	UCC	EKZE500ELL271MJ20S	270u/50v electrolytic
C27, C30, C38, C66, C67, C72, C73	7	Murata	GRM21BR71E225KA73L	2.2u/25v 0805 X7R
C28, C29, C35, C37, C40, C46-C49, C58, C59, C65, C68-C71	16	Murata	GRM188R71H104KA93D	0.1u/50v 0603 X7R
C36, C39, C50, C51	4	Murata	GRM188R61E105KA12D	1.0u/25V, X5R 0603
C41-C44	4	Epcos/TDK	B32529C105J	1.0u film, 5%
C60-C63	4	Nichicon	RNU1C101MDS1	100u/16v polymer
C74-C77	4	Murata	GCM1885C1H101JA16D	100p/50v 0603
D1	1	NXP	BAT46WH	Schottky diode, SOD123
J1-J3	3	Phoenix	1935161	Terminal block, 5mm/2pos
J5, J7	2	Phoenix	1984620	Terminal block, 3.5mm/3pos
J6	1	Phoenix	1984646	Terminal block, 3.5mm/5pos
L1, L2, L3, L4	4	Coilcraft	VER2923-103KL VER2923-153KL VER2923-333KL	10uH (4,6 ohm) 15uH (8 ohm) 33uH (16 ohm)
L5	1	Coiltronics	DRQ74-101-R	Dual winding 100uH
R1-R5, R10, R40, R41	8	KOA	RK73H2BTDD3R32F	3.3 ohm 1206
R6, R8, R9, R26, R32, R42, R43	7	KOA	RK73H1JTDD1002F	10k 0603
R7, R25, R33	3	KOA	RK73H1JTDD2212F	22.1K 0603
R11, R27	2	KOA	RK73H1JTDD2213F	221k 0603
R12	1	KOA	RK73H1JTDD1131F	1.13k 0603
R13-R20, R34-R37	12	KOA	RK73H2ATDD3321F	3320 ohm 0805
R21-R24, R28-R31, R47, R49, R52, R54	12	KOA	RK73H2ATDD4991F	4990 ohm 0805
R38, R39	2	KOA	RK73H2ATDD2002F	20k 0805
R44-R46, R50, R51, R55	6	KOA	RK73H2ATDD2000F	150 ohm 0805

R48, R53	2	KOA	RK73H2ATTD1004F	1M 0805
RG1, RG2 (sockets)	1	Harwin	D01-9970542	5x SIP breakaway socket (break into two 2x sockets)
RG1, RG2 (resistors)	2	Yageo	MFR-25FBF52-16K2 MFR-25FBF52-6K65 MFR-25FBF52-3K65 MFR-25FBF52-2K21 MFR-25FBF52-1K24	23 dB gain 26 dB gain 29 dB gain 32 dB gain 36 dB gain
SW1	1	CTS	218-2LPST	2 position SOIC switch
U1	1	TI	TPA3250D2	Class D amplifier
U2	1	ST	L78L33ABUTR	+3.3V regulator
U3	2	TI	LM25018MRE/NOPB	COT buck regulator
U4, U5	2	TI	LME49724MRX/NOPB	Fully diff amplifier
U6**	1	Atmel	ATTINY20XU	Microcontroller
U7, U8	2	TI	LME49723MAX/NOPB	Dual op-amp

**You probably don't need the Atmel ATTiny20 microcontroller; I include a preprogrammed part with a blank PCB. I have it listed here on the BOM for completeness.