

Bill of Materials for Oakley SE330 - Stereo Ensemble Component Kit V2.0.5

Item	Description	Qty	Designator	Package
	<b>CAPACITOR</b>			
1	47pF Ceramic	4	C17, C18, C19, C20	RAD-0.1N
2	100pF Ceramic C0G	13	C45, C46, C47, C48, C67, C68, C71, C72, C90, C91, C94, C99, C100	RAD-0.1N
3	220pF Ceramic	6	C13, C14, C15, C16, C117, C121	RAD-0.1N
4	330pF 10% Ceramic	1	C92	RAD-0.1N
5	560pF Ceramic, C0G	3	C101, C109, C112	RAD-0.1N
6	1nF 63V Polyester	3	C110, C118, C119	RAD-0.2
7	1.5nF 63V Polyester	5	C1, C3, C5, C7, C106	RAD-0.2
8	2.2nF 63V Polyester	5	C2, C4, C6, C8, C105	RAD-0.2
9	22nF 63V Polyester	5	C33, C34, C35, C36, C107	RAD-0.2
10	100nF 63V Polyester	2	C63, C65	RAD-0.2
11	100nF 50V Ceramic NPO Axial	44	C9, C10, C11, C12, C21, C22, C23, C24, C41, C42, C43, C44, C59, C60, C61, C62, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C86, C87, C88, C89, C95, C98, C102, C103, C104, C113, C114, C115, C116, C124, C125, C126	AXIAL-0.3
12	330nF 63V Polyester	1	C108	RAD-0.2
13	470nF 63V Polyester	8	C25, C26, C27, C28, C64, C66, C69, C70	RAD-0.2X
14	1000nF 63V Polyester	8	C29, C30, C31, C32, C93, C111, C122, C123	RAD-0.2X
15	2.2uF Electrolytic	8	C37, C38, C39, C40, C49, C50, C51, C52	RB-D5.0-P2.0
16	10uF Bipolar Electrolytic	4	C85, C96, C97, C120	RB-D6.3-P2.5
17	10uF 35V Electrolytic	2	C57, C58	RB-D5.0-P2.0
18	47uF Electrolytic	4	C53, C54, C55, C56	RB-D6.3-P2.5
	<b>CONNECTOR</b>			
19	6.35mm Mono Socket - Metal, Panel	3	INPUT, OUT_L, OUT_R	-
20	Crimp to suit 0.1inch Series MTA	8		-
21	8-pin IC Socket 0.3inch	29	U3, U4, U5, U6, U7, U8, U9, U11, U12, U14, U15, U16, U17, U18, U19, U22, U23, U25, U26, U27, U29, U31, U32, U34, U35, U36, U38, U39, U40	DIP-8
22	16-pin IC Socket 0.3inch	7	U2, U10, U20, U21, U28, U30, U37	DIP-16
23	2-way 0.1inch Crimp Housing	1	INPUT	2.54MM
24	2-way 0.1inch Straight - Locking Header	1	INPUT	2.54MM
25	3-way 0.1inch Crimp Housing	2	OUT_L, OUT_R	2.54MM
26	3-way 0.1inch Straight - Locking Header	2	OUT_L, OUT_R	2.54MM

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	<b>CONNECTOR - continued</b>			
27	Crimp to suit 0.156inch Series MTA	4		-
28	4-way 0.156inch Crimp Housing	1	PSU	3.96MM
29	4-way 0.156inch Straight - Locking Header	1	PSU	-
	<b>DIODE</b>			
30	3.6V 5% 1.3W	2	D18, D19	DIODE-0.3
31	1N5819 Schottky Power	2	D13, D14	DIODE-0.3
32	1N4148	16	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D15, D16, D17, D20	DIODE-0.3
	<b>HARDWARE</b>			
33	M3 x 3mm Spacer Nylon Threaded	8		-
34	KNOB - Metal Insert - D- 16mm	7		-
35	M3 x 12mm Bolt PH	8		-
36	M3 Nut	8		-
	<b>LINEAR</b>			
37	V3207 - 1024-stage BBD Analog Delay Line	4	U6, U17, U26, U35	DIP-8
38	V3102 - 2-phase Clock Generator	4	U7, U18, U27, U36	DIP-8
39	OPA2134 - Opamp	4	U8, U19, U39, U40	DIP-8
40	78L09 +9V 100mA Fixed Voltage Regulator	4	U1, U13, U24, U33	TO-92
41	DG403 - Dual SPDT CMOS Analogue Switch	2	U20, U37	DIP-16
42	LM13700 - Dual OTA	4	U2, U10, U21, U30	DIP-16
43	TL072 Dual JFET Opamp	16	U3, U4, U5, U11, U12, U14, U15, U16, U22, U23, U25, U29, U31, U32, U34, U38	DIP-8
44	NE5532 - Dual Low-Noise Opamp	1	U9	DIP-8
45	V2164 - Quad VCA	1	U28	DIP-16
	<b>OPTO-ELECTRONIC</b>			
46	3mm Yellow LED	1	ON	2MA
47	3mm Red LED	1	PEAK	-
	<b>POTENTIOMETER</b>			
48	ALPHA Pot Bracket	7		ALPHA 16MM

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	<b>POTENTIOMETER - continued</b>			
49	50KB LIN - 18T Spline	5	IN_LEVEL, SIN_DEPTH, SIN_RATE, TRI_DEPTH, TRI_RATE	ALPHA 16MM
50	50KB LIN Dual-gang - 1/4inch D-shaft	2	BALANCE, OUT_LEVEL	ALPHA 16MM - DUAL
	<b>RESISTOR</b>			
51	220R 1% 0.5W Metal Film	8	R57, R58, R59, R60, R138, R140, R168, R170	AXIAL-0.4
52	390R 1% 0.5W Metal Film	8	R85, R86, R87, R88, R98, R99, R100, R101	AXIAL-0.4
53	470R 1% 0.5W Metal Film	1	R177	AXIAL-0.4
54	510R 1% 0.5W Metal Film	3	R158, R164, R166	AXIAL-0.4
55	1K0 1% 0.5W Metal Film	1	R179	AXIAL-0.4
56	3K3 1% 0.5W Metal Film	5	R45, R46, R47, R48, R188	AXIAL-0.4
57	4K7 1% 0.5W Metal Film	2	R67, R69	AXIAL-0.4
58	6K8 1% 0.5W Metal Film	11	R1, R3, R5, R7, R61, R63, R79, R80, R93, R94, R176	AXIAL-0.4
59	8K2 1% 0.5W Metal Film	1	R183	AXIAL-0.4
60	10K 1% 0.5W Metal Film	17	R9, R10, R11, R12, R41, R42, R43, R44, R84, R89, R145, R146, R147, R148, R149, R150, R174	AXIAL-0.4
61	11K 1% 0.5W Metal Film	5	R2, R4, R6, R8, R175	AXIAL-0.4
62	15K 1% 0.5W Metal Film	21	R68, R70, R72, R73, R75, R76, R77, R82, R83, R90, R91, R96, R105, R107, R152, R153, R156, R159, R160, R184, R187	AXIAL-0.4
63	20K 1% 0.5W Metal Film	1	R181	AXIAL-0.4
64	22K 1% 0.5W Metal Film	7	R97, R102, R141, R142, R143, R144, R180	AXIAL-0.4
65	33K 1% 0.5W Metal Film	18	R25, R26, R27, R28, R53, R54, R55, R56, R104, R106, R134, R135, R136, R155, R157, R173, R185, R186	AXIAL-0.4
66	47K 1% 0.5W Metal Film	18	R21, R22, R23, R24, R78, R81, R92, R95, R103, R108, R109, R110, R111, R113, R115, R116, R118, R171	AXIAL-0.4
67	56K 1% 0.5W Metal Film	5	R122, R123, R128, R130, R172	AXIAL-0.4
68	100K 1% 0.5W Metal Film	31	R13, R15, R17, R19, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R121, R124, R127, R129, R131, R133, R137, R139, R151, R161, R162, R163, R165, R167, R169	AXIAL-0.4
69	120K 1% 0.5W Metal Film	4	R112, R114, R117, R119	AXIAL-0.4
70	150K 1% 0.5W Metal Film	4	R49, R50, R51, R52	AXIAL-0.4
71	180K 1% 0.5W Metal Film	4	R14, R16, R18, R20	AXIAL-0.4
72	220K 1% 0.5W Metal Film	4	R120, R125, R126, R132	AXIAL-0.4

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	<b>RESISTOR - continued</b>			
73	270K 1% 0.5W Metal Film	1	R182	AXIAL-0.4
74	470K 1% 0.5W Metal Film	7	R62, R64, R65, R66, R71, R74, R154	AXIAL-0.4
75	4M7 1% 0.5W Metal Film	1	R178	AXIAL-0.4
	<b>SWITCH</b>			
76	SPDT PCB90 [ON-OFF-ON]	1	MODE	-
	<b>TRANSISTOR</b>			
77	BC560 PNP Transistor	6	Q1, Q2, Q5, Q6, Q7, Q10	TO-92
78	BC550 NPN Transistor	8	Q3, Q4, Q8, Q9, Q11, Q12, Q13, Q14	TO-92
	<b>TRIMPOT</b>			
79	5K 1TV Cermet	4	NULL1, NULL2, NULL3, NULL4	3306F
80	20K 1TV Cermet	2	S_LVL, T_LVL	3306F
81	50K 1TV Cermet	4	OFF1, OFF2, OFF3, OFF4	3306F
82	100K 1TV Cermet	6	CLK1, CLK2, CLK3, CLK4, S_FRQ, T_FRQ	3306F
	<b>KITS</b>			
83	Kitting	83		-
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