

KAB-008-0001

Rev: 02

Kohler AfterBurner BOM

Generated from ECS CAD output on 2/1/99

Job: aftbrnrrev02 This BOM matches the rev02 board. If R66 is stuffed then R68 should not be stuffed or vice-versa.

Matches the schematic 05 rev of schematic

Date: 99/1/27 - Time: 12:0:24

Item#	Qty	Part#	Device Type	Package	Description	Value	Ref. Designators
1	1	1206 CAP, 2.2uf, X7R, +/-20% <u>or</u> CAP, 2.2uf, Y5V, +80/-20%	CAP-NP	CAP_1206	CAPACITOR, X7R Ceramic, 10V or Higher <u>or</u> Alternate: CAPACITOR, Y5V, Ceramic, 10V or Higher	2.2uf	C4
2	1	22UF, 25V, Case size D	CAP-V	CAP_TANTD_SM	CAPACITOR, POLARIZED,	22UF, 20%	C35
3	1	33UF, 10V, Case size C	CAP-V	CAP_TANTC_SM	CAPACITOR, POLARIZED,	33UF, 20%	C33
4	1	4.7Uf, 4V, Tantalum, case A2	CAP-V	CAP_TANTA_SM	CAPACITOR, POLARIZED,	4.7UF, 20%	C7
5	1	74LCX04M	74LCX04M-SOI	SOI_14N	National , Hex inverter, 74LCX04M		U3
6	1	CAP, 0.01uf, 10%	CAP-NP	CAP_0603	CAPACITOR, X7R Ceramic, 10V or Higher	0.01Uf	C6
7	13	CAP, 0.1uf, +80-20%	CAP-NP-V	CAP_0603	CAPACITOR, Y5V Ceramic Chip, 10V or Higher	0.1uf	C1,C5,C8,C10,C12,C14,C18,C23,C26,C29, C30,C31,C34
8	1	CAP, 0.5pf, +/-0.25pf	CAP-NP	CAP_0603	CAPACITOR, NPO Ceramic, 10V or Higher	0.5pf +/-0.25pf	C27
9	1	CAP, 100pf, 5%	CAP-NP-V	CAP_0603	CAPACITOR, NPO Ceramic Chip, 10V or Higher	100pf, 5%	C22
10	5	CAP, 10pf, +/-0.25pf	CAP-NP-V	CAP_0603	CAPACITOR, NPO Ceramic Chip, 10V or Higher	10pf, +/-0.25pf	C15,C21,C24,C25,C28
11	1	CAP, 1uf, X7R, +/-20%, <u>or</u> CAP, 1uf, Y5V, +80/-20%	CAP-NP	CAP_0805	CAPACITOR, X7R Ceramic, 10V or Higher, <u>or</u> Alternate: CAPACITOR, Y5V Ceramic, 10V or Higher	1uf	C32
12	1	CAP, 2.2pf, +/-0.25pf	CAP-NP-V	CAP_0603	CAPACITOR, NPO Ceramic Chip, 10V or Higher	2.2pf +/-0.25pf	C20
13	1	CAP, 22pf, 5%	CAP-NP-V	CAP_0603	CAPACITOR, NPO Ceramic Chip, 10V or Higher	22pf, 5%	C19
14	2	CAP, 4.7pf, +/-0.25pf	CAP-NP-V	CAP_0603	CAPACITOR, NPO Ceramic Chip, 10V or Higher	4.7pf +/-0.25pf	C16,C17
15	1	Hewlett-Packard, HSMS-8101 <u>or</u> M/A-COM MA4E2054C-287	MAECOM-SCHOT	diode_sot_23_e	DIODE, SCHOTTKY, HP <u>or</u> Alternate: M/A-COM MA4E2054C-287	DIODE	D1
16	1	LM339M Quad Comparator	COMP-LM339M-SOI	SOI_14N	IC, COMPARATOR, LM339M, National Semiconductor or		U4
17	1	LM358M	OPAMP-LM358M	SOI_8N	National, OPAMP LM358M,DUAL		U1
18	1	MMBT3904LT1	TRA-3904-SM	TRA_SOT23	3904 Motorola or equiv.	3904	Q14
19	2	MMBT3906LT1	TRA-3906-SM	TRA_SOT23	3906 Motorola or equivalent	3906	Q15,Q16
20	3	NEC, NE68519	TRA-NE68519-SM	TRA_SOT23	NEC, NE68519, sot23, transistor	NE68519	Q10,Q11,Q12
21	2	No Stuff, no value	CAP-NP-V	CAP_0603	No Stuff	NS, no Value	C9,C13
22	1	Panason, EVM-7JSX30B13	POT	Geom_Pot	Panasonic, smt, 1K	1K	R49
23	1	RES, 1.3k, 1%	RES-V	RES_0603	Res, Thick film chip, 0603 package size, 1/16watt	1.3k, 1%	R70
24	1	RES, 10, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	10, 5%	R35
25	3	RES, 100, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	100, 5%	R34,R45,R62
26	2	RES, 100k, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	100k, 5%	R64,R65
27	8	RES, 10k, 5%	RES	RES_0603	RESISTOR, Thick Film Chip, 1/16watt	10k, 5%	R10,R19,R20,R21,R46,R53,R58,R63
28	1	RES, 10Meg, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	10Meg, 5%	R47
29	1	RES, 18, 5%	RES	RES_0603	RESISTOR, Thick Film Chip, 1/16watt	18, 5%	R38
30	1	RES, 1k, 1%	RES-V	RES_0603	Res, Thick film chip, 0603 package size, 1/16watt	1k, 1%	R67
31	9	RES, 1k, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	1k, 5%	R16,R41,R42,R43,R44,R57,R73,R74,R75

Item#	Qty	Part#	Device Type	Package	Description	Value	Ref. Designators
32	7	RES, 1Meg, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	1Meg, 5%	R11,R12,R13,R15,R18,R24,R54
33	1	RES, 2.2Meg, 5%	RES	RES_0603	RESISTOR, Thick Film Chip, 1/16watt	2.2Meg, 5%	R17
34	2	RES, 243, 1%	RES-V	RES_0603	Res, Thick film chip, 0603 package size, 1/16watt	243, 1%	R69,R71
35	2	RES, 300, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	300, 5%	R37,R40
36	2	RES, 33k, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	33k, 5%	R33,R56
37	1	RES, 390k, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	390k, 5%	R22
38	1	RES, 392, 1%	RES-V	RES_0603	Res, Thick film chip, 0603 package size, 1/16watt	392, 1%	R72
39	1	RES, 4.7k, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	4.7k, 5%	R61
40	3	RES, 47k, 5%	RES	RES_0603	RESISTOR, Thick Film Chip, 1/16watt	47k, 5%	R52,R59,R60
41	1	RES, 56, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	56, 5%	R48
42	2	RES, 560, 5%	RES	RES_0603	RESISTOR, Thick Film Chip, 1/16watt	560, 5%	R36,R39
43	1	RES, 560k, 5%	RES-V	RES_0603	RESISTOR, thick Film Chip, 1/16watt	560k, 5%	R55
44	1	RES, 6.2k, 5%	RES	RES_0603	RESISTOR, Thick Film Chip, 1/16watt	6.2k, 5%	R23
45	1	RES, 8.06k, 1%	RES-V	RES_0603	Res, Thick film chip, 0603 package size, 1/16watt	8.06k, 1%	R66
46	1	Rohm, DAN217C	DUALDIODE-SOT23-V	DIO_SOT23_E	DIODE, dual, Rohm 217C	Dual Diode	D2
47	2	VREG LM317L	VREG-LM317L-SOI	SOI_8N	VREG, LM317L VOL REG, 100mA, National or equiv.		VR5,VR6
48	1	VREG-LM2941CS-TO263	VREG-LM2941	T0_263	VREG, LM2941CS LOW DROPOUT ADJ. REGULATOR, National		VR4