

2023 August 27, Sunday 18:46:57																		
Tool:	Eeschema 7.0.7																	
Component Count:	304																	
Collated Components:																		
Item	Qty	Reference(s)	Value	LibPart	Footprint	Datasheet	DNP	Comment	Manufacturer	Sim.Device	Sim.Pins	Speed	Type					
1	41	BF1, BF2, BF3, BF4, BF5, BF6, BF7, BF8, BF9, BF10, BF11, BF12, BF13, BF14, BF15, BF16, BF17, BF18, BF19, BF20, BF21, BF22, BF23, BF24, BF25, BF26, BF27, BF28, BF29, BF30, BF31, BF32, BF51, BF52, BF53, BF54	ZB253D	Device:FerriteBead_Small	1_NeoGeoLibrary:BF-2.5mm	~												
2	18	C1, C2, C4, C5, C6, C7, C8, C11, C12, C20, C24, C25, C32, C34, C41, C49, C113, C301	10uF	Device:C_Polarized_Small	1_NeoGeoLibrary:CAP2-2.5mm	~												
3	1	C3	68pF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
4	2	C9, C10	470uF	Device:C_Polarized_Small	1_NeoGeoLibrary:CAP1-5mm	~												
5	2	C13, C14	272M	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~							FILM					
6	3	C22, C23, C66	1nF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
7	3	C26, C27, C28	0.1uF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
8	1	C29	100p (82p)	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
9	2	C30, C45	0.01uF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
10	1	C31	39pF (30pF)	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
11	6	C33, C42, C58, C59, C60, C201	100pF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
12	1	C35	10uF	Device:C_Polarized_Small	1_NeoGeoLibrary:CAP2-2.5mm	~												
13	5	C36, C37, C38, C39, C46	470uF/16v	Device:C_Polarized_Small	1_NeoGeoLibrary:CAP1-5mm	~												
14	1	C43	47pF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
15	3	C44, C50, C70	10nF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
16	1	C47	2200uF/6.3v	Device:C_Polarized_Small	1_NeoGeoLibrary:CAP4-Large	~												
17	1	C48	150pF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
18	27	C51, C63, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C127	100nF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
19	2	C52, C54	30pF(CH)	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
20	1	C53	6pF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
21	1	C55	20pF(CH)	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
22	2	C56, C67	220pF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
23	1	C57	331pF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
24	1	C61	221pF	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
25	1	C62	221	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
26	1	C64	10pF(CH)	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
27	1	C65	39pF (CH)	Device:C_Small	1_NeoGeoLibrary:CAP3-5mm	~												
28	1	C126	100nF	Device:C_Small	1_NeoGeoLibrary:CAP2-2.5mm	~												
29	1	CN1	CTRL1	Connector:DA15_Plug	1_NeoGeoLibrary:CN1-2	~												
30	1	CN2	CTRL2	Connector:DA15_Plug	1_NeoGeoLibrary:CN1-2	~												
31	1	CN3	DIN-8	1_NeoGeoLibrary:DIN-8-S	1_NeoGeoLibrary:CN3													
32	2	CN4, CN5	AXC90020	1_NeoGeoLibrary:Cartridge Slot	1_NeoGeoLibrary:CN4-5	~												
33	1	CN6	5535653-1	1_NeoGeoLibrary:5535653-1	1_NeoGeoLibrary:CN6			5535653-1										
34	5	CR1, CR2, CR3, CR4, CR5	CRE401	1_NeoGeoLibrary:CRE401	1_NeoGeoLibrary:R_Array_SIP10													
35	2	D1, D2	SR340	Device:D_Filled	1_NeoGeoLibrary:Diode-Big	~				D	1=K 2=A							
36	2	D3, D4	FC52M-5	Device:D_Capacitance_Filled	Package_TO_SOT_THT:SOD-70_P2.54mm	~												
37	1	D5	LED	Device:LED	1_NeoGeoLibrary:LED	~												
38	14	H1, H2, H3, H4, H5, H6, H7, H8, H9, H10, H11, H12, H13, H14	~	1_NeoGeoLibrary:MARK	1_NeoGeoLibrary:MARK	~												
39	1	H16	~	Mechanical:MountingHole_Pad	1_NeoGeoLibrary:HOLE2	~												
40	2	H17, H18	~	Mechanical:MountingHole_Pad	1_NeoGeoLibrary:HOLE	~												
41	1	J1	BEER	Jumper:SolderJumper_2_Open	1_NeoGeoLibrary:J2	~												
42	1	J2	CUT DOG	Jumper:SolderJumper_2_Open	1_NeoGeoLibrary:J2	~												
43	1	J3	SMK S-G8043	Connector_Audio:AudioJack3	1_NeoGeoLibrary:J3	~												
44	1	J4	POWER JACK	Connector:Barrel_Jack_Switch	1_NeoGeoLibrary:J4	~												
45	1	JP3	J3	Jumper:SolderJumper_2_Bridged	1_NeoGeoLibrary:J2	~												
46	1	JP4	J4	Jumper:SolderJumper_2_Open	1_NeoGeoLibrary:J2	~												
47	1	L1	47uH	Device:L	1_NeoGeoLibrary:L1	~												
48	1	L2	47uH	Device:L	1_NeoGeoLibrary:Inductor	~												
49	1	L3	180uH	Device:L	1_NeoGeoLibrary:Inductor-Large	~			HP-022J									
50	4	NTSC1, PAL2, R5814, R5863	0	Device:R_Small	1_NeoGeoLibrary:PAL	~												
51	1	PAL1	0	Device:R_Small	Resistor_THTR_Axial_DIN0204_L3.6mm_D1.6mm_P5.08mm_Vertical	~												
52	2	Q101, Q102	2SC1815	Transistor_BJT:2SC1815	1_NeoGeoLibrary:Transistor	https://media.digikey.com/pdf/Data%20Sheets/Toshiba%20PDFs/2SC1815.pdf												
53	16	R1, R2, R3, R32, R36, R37, R38, R39, R40, R41, R42, R43, R45, R54, R55, R301	1KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
54	3	R4, R5, R6	8.2KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
55	3	R7, R11, R15	3.9KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
56	3	R8, R12, R16	2.2KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
57	4	R9, R13, R17, R66	470Q	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
58	3	R10, R14, R18	220Q	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
59	3	R19, R20, R21	150Q	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
60	4	R28, R57, R68, R303	10KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
61	1	R29	47Q	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
62	2	R30, R31	4.7KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
63	2	R33, R34	10Q	Device:R_Small	1_NeoGeoLibrary:R76	~												
64	3	R46, R49, R53	27KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
65	2	R47, R48	47KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
66	4	R50, R51, R52, R75	3KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
67	1	R56	820Q	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
68	3	R58, R59, R60	6.8KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
69	6	R62, R63, R64, R65, R401, R501	75Q	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
70	2	R70, R72	1MQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
71	1	R71	10Q	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
72	1	R74	220KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
73	1	R76	1K	Device:R_Small	1_NeoGeoLibrary:R76	~												
74	2	R101, R102	100K	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
75	1	R302	30KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												
76	2	R402, R502	51KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~												

77	2	R403, R503	15KQ	Device:R_Small	1_NeoGeoLibrary:Resistor1-5mm	~											
78	1	RA1	4.7DX4	Device:R_Network04	1_NeoGeoLibrary:R_Array_SIP5	http://www.vishay.com/docs/31509/csc.pdf											
79	1	RN1	22DX4	Device:R_Pack04_SIP_Split	1_NeoGeoLibrary:RN2	http://www.vishay.com/docs/31509/csc.pdf											
80	1	RN2	22Q	Device:R_Pack04_SIP_Split	1_NeoGeoLibrary:RN2	http://www.vishay.com/docs/31509/csc.pdf											
81	1	RV1	Headphone Slic	Device:R_Potentiometer_Dual	1_NeoGeoLibrary:RV1	~											
82	1	SW1	RESET SWITCH	Switch:SW_Push	1_NeoGeoLibrary:SW1	~											
83	1	SW2	POWER SWITCH	1_NeoGeoLibrary:SW_Push_SPDT	1_NeoGeoLibrary:SW2	~											
84	1	T1	SH-302	Device:Transformer_1P_1S	1_NeoGeoLibrary:T1	~											
85	1	TC1	0-50p	Device:C_Variable	1_NeoGeoLibrary:TC	~											
86	1	TP1	TestPoint	Connector:TestPoint	1_NeoGeoLibrary:TestPoint_Pad_D1.5mm	~											
87	1	TP2	TestPoint	Connector:TestPoint	TestPoint:TestPoint_THTPad_D1.5mm_Drill0.7mm	~											
88	4	U1, U2, U17, U18	uPD43256AGU	1_NeoGeoLibrary:uPD43256AGU-	1_NeoGeoLibrary:43256												
89	1	U3	HD68HC000P	1_NeoGeoLibrary:HD68HC000P	1_NeoGeoLibrary:68000	https://www.nxp.com/docs/en/reference-manual/MC68000UM.pdf											
90	1	U4	NEO-C1	1_NeoGeoLibrary:NEO-C1	1_NeoGeoLibrary:NEO-C1												
91	1	U5	NEO-G0	1_NeoGeoLibrary:NEO-G0	1_NeoGeoLibrary:NEO-G0												
92	2	U6, U7	uPD4364CX-12	1_NeoGeoLibrary:uPD4364CX-12	1_NeoGeoLibrary:DIP-28_W7.62mm												
93	2	U8, U80	74HC04	74xx:74HC04	1_NeoGeoLibrary:DIP-14_W7.62mm	http://www.ti.com/lit/gpn/sn74LS04											
94	2	U9, U10	74LS273	74xx:74LS273	1_NeoGeoLibrary:DIP-20_W7.62mm	http://www.ti.com/lit/gpn/sn74LS273											
95	1	U11	74LS05	74xx:74LS05	1_NeoGeoLibrary:DIP-14_W7.62mm	http://www.ti.com/lit/gpn/sn74LS05											
96	1	U12	74LS06	74xx:74LS06	1_NeoGeoLibrary:DIP-14_W7.62mm	http://www.ti.com/lit/gpn/sn74LS06											
97	1	U13	NEO-B1	1_NeoGeoLibrary:NEO-B1	1_NeoGeoLibrary:NEO-B1												
98	1	U14	PST518B	1_NeoGeoLibrary:PST518B	1_NeoGeoLibrary:PST518B												
99	1	U15	74LS244	74xx:74LS244	1_NeoGeoLibrary:DIP-20_W7.62mm	http://www.ti.com/lit/ds/symlink/sn74ls244.pdf											
100	1	U16	TC531000AP	1_NeoGeoLibrary:TC531000AP	1_NeoGeoLibrary:DIP-28_W15.24mm											150ns	
101	2	U19, U20	CXK5864P-35	1_NeoGeoLibrary:uPD4364CX-12	1_NeoGeoLibrary:DIP-28_W7.62mm												
102	1	U21	LSPC2	1_NeoGeoLibrary:LSPC2	1_NeoGeoLibrary:LSPC2												
103	1	U22	NEO-D0	1_NeoGeoLibrary:NEO-D0	1_NeoGeoLibrary:NEO-G0												
104	1	U23	HM6116ASP-2	1_NeoGeoLibrary:HM6116ASP-20	1_NeoGeoLibrary:DIP-24_W7.62mm												
105	1	U24	Z80CPU	1_NeoGeoLibrary:Z80CPU	1_NeoGeoLibrary:DIP-40_W15.24mm	www.zilog.com/manage_directlink.php?filepath=docs/z80/um0080											
106	1	U26	YM3016D	1_NeoGeoLibrary:YM3016D	1_NeoGeoLibrary:DIP-16_W7.62mm												
107	1	U27	YM2610	1_NeoGeoLibrary:YM2610	1_NeoGeoLibrary:68000												
108	2	U28, U29	PC4741	Amplifier_Operational:LM324	1_NeoGeoLibrary:DIP-14_W7.62mm	http://www.ti.com/lit/ds/symlink/lm2902-n.pdf											
109	1	U32	CXA1145P	1_NeoGeoLibrary:CXA1145P	1_NeoGeoLibrary:DIP-24_W10.16mm												
110	1	U33	74AS04	74xx:74LS04	1_NeoGeoLibrary:DIP-14_W7.62mm	https://assets.nexperia.com/documents/data-sheet/74HC_HCT04.pdf											
111	1	U34	NEO-E0	1_NeoGeoLibrary:NEO-E0	1_NeoGeoLibrary:NEO-G0												
112	1	U35	74LS259	74xx:74LS259	1_NeoGeoLibrary:DIP-16_W7.62mm	http://www.ti.com/lit/gpn/sn74LS259											
113	1	U36	27C1024	1_NeoGeoLibrary:27C1024	1_NeoGeoLibrary:DIP-40_W15.24mm												
114	1	U37	LM2576T-5	Regulator_Switching:LM2576T-5	Package_TO_SOT_THT:TO-220-5_Vertical	http://www.ti.com/lit/ds/symlink/lm2576.pdf											
115	1	U38	74HC32	74xx:74LS32	1_NeoGeoLibrary:DIP-14_W7.62mm	http://www.ti.com/lit/gpn/sn74LS32											
116	1	U39	CX23065A	1_NeoGeoLibrary:CX23065A	1_NeoGeoLibrary:CX23065A												
117	1	X1	24.167829MHz	1_NeoGeoLibrary:Crystal_GND	1_NeoGeoLibrary:Crystal	~											
118	1	X2	3.579545MHz	1_NeoGeoLibrary:Crystal_GND	1_NeoGeoLibrary:Crystal	~											