



Audio Board Assembly

p/n D-11581-566

Part No.	Ckt Designator	Description	Part No.	Ckt Designator	Description
5766-12130-00		Bare P. C. Board	5010-08991-00	R1, R4, R5, R11, R25 - R28, R33, R36, R37, R49, R50	Resistor, 4.7K, 1/4w, 5%
5731-11087-00	U1	IC, D/A Conv, YM3012	5010-09034-00	R14 - R17	Resistor, 10K, 1/4w, 5%
a) 5700-09006-00		Socket, IC, 16-pin (U1)	5010-09324-00	R6, R38	Resistor, 27K, 1/4w, 5%
5730-11086-00	U3	IC, Sound Processor, YM2151	5010-09162-00	R39	Resistor, 100K, 1/4w, 5%
a) 5700-09004-00		Socket, IC, 24-pin (U3)	5010-10258-00	R40	Resistor, 1M, 1/4w, 5%
5400-10320-00	U8	IC, μ Processor, MC68B09E	5010-09179-00	R10	Resistor, 3.3M, 1/4w, 5%
a) 5700-08985-00		Socket, IC, 40-pin (U8)	5010-09534-00	W9	Resistor, 0 Ω , 1/4w, 5%
A-5343-566-5	U4	IC, Audio ROM 1	5040-09343-00	C1, C3, C4, C8	Capacitor, 10 μ fd, 20v, $\pm 20\%$
A-5343-566-6	U19	IC, Audio ROM 2	5040-10974-00	C12, C19, C24	Capacitor, 100 μ fd, 35v
A-5343-566-7	U20	IC, Audio ROM 3	5040-09776-00	C26, C30	Capacitor, 470 μ fd, 16v, ± 50 , -10%
a) 5700-10176-00		Socket, IC, 28-pin (U4, U19, U20)	5040-12006-00	C29, C32	Capacitor, 1000 μ fd, 16v, 20%
5371-09152-00	U11	IC, D/A Convtr, MC1408	5041-09243-00	C25, C28	Capacitor, 10 μ fd, 10v, $\pm 10\%$
5430-10322-00	U12	IC, PIA, MC68B21	5043-08980-00	C5, B (17)*	Capacitor, 0.01 μ fd, 50v, ± 80 , -20%
5340-09878-00	U5	IC, RAM, 2016	5043-08996-00	C31, C33	Capacitor, 0.1 μ fd, 50v, $\pm 20\%$
5281-09487-00	U16	IC, Dual D Flipflop, 74LS74	5043-09065-00	C13 - C15	Capacitor, 470 pfd, 50v, $\pm 20\%$
5281-10043-00	U13	IC, 74LS175	5043-09492-00	C2, C34	Capacitor, 100 pfd, 50v, $\pm 10\%$
5281-09235-00	U21	IC, Triple NAND, 74LS10	5043-09844-00	C6	Capacitor, 47 pfd, 50v, $\pm 20\%$
5370-09321-00	U9, U10, U17	IC, Op Amp, MC1458	5043-09845-00	C16, C18, C20 - C23, C27	Capacitor, 1000 pfd, 50v, $\pm 20\%$
5281-09215-00	U2	IC, Hex Inv, 74LS04	5520-09020-00	X1	Crystal, 3.58 MHz
5281-09246-00	U14	IC, 2-4 Dec, 74LS139	5521-10931-00	CR1	Oscillator, 8 MHz
5281-09745-00	U15	IC, Dual Mux, 74LS138	5551-09822-00	L1 - L3	Inductor, 4.7 μ H, 3A
5370-09156-00	U22, U23	IC, Audio Amp, TDA2002	5791-09437-00	J4	Connector, 20 pin, (Hdr), Rib. Cbl
a) 5705-09199-00		Heatsink, #6030B	5791-10862-04	J1, J2, J5	Connector, 4 pin (Hdr)
b) 20-9229		Thermal Compound	5791-10862-06	J3	Connector, 6 pin (Hdr)
c) 4006-01003-06		6-32 x 3/8 P-PH-S			
d) 4406-01117-00		6-32 Hexnut			
e) 4703-00007-00		#6 Ext. Lockwasher			
5370-09691-00	U6	IC, CVSD, 55536			
5160-10269-00	Q1	Transistor, 2N3904, NPN			
5060-10396-00	SR1	SIP 4.7K & 470pfd, 8R8C			
5010-09181-00	R44, R48	Resistor, 1.0 Ω , 1/2w, 5%			
5010-09161-00	R35, R45	Resistor, 2.2 Ω , 1/4w, 5%			
5010-09361-00	R43, R46, R47	Resistor, 220 Ω , 1/2w, 5%			
5010-09358-00	R41, R42	Resistor, 1K, 1/4w, 5%			
5010-08998-00	R2, R3, R12	Resistor, 2.2K, 1/4w, 5%			
5010-08983-00	R7 - R9	Resistor, 3.3K, 1/4w, 5%			

Notes: * 17 capacitors (shown on diagram with "B" symbol) provide +5VDC filtering for ICs.

All capacitors are ceramic, 50v, axial, unless otherwise noted.

All resistors are 5%, 1/4w, Carbon Film, unless otherwise noted.