



NOTES:

- CAUTION: SHOCK HAZARD!
THIS UNIT CONTAINS HAZARDOUS VOLTAGE.
DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
- UNLESS NOTED, RESISTOR VALUES ARE IN OHMS, 1/4W ±5% TOL AND CAPACITOR VALUES ARE IN MICROFARADS, 50 V, 10% TOL.
- VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
- INSTALL R73 ON SOLDER SIDE BETWEEN U11 PIN 44 AND +5V SIDE OF C45.

* OPTIONAL-NOT ON 07-809-01
 ** (X) SUFFIX REPRESENTS REVISION LEVEL.
 HIGHER REVISION LEVELS WILL RETROFIT.

REF	DES	PART#	DESCRIPTION
C1	10-104-30	.1uF	50V
C2	10-104-30	.1uF	50V
C3	10-104-30	.1uF	50V
C4	10-104-30	.1uF	50V
C5	10-104-30	.1uF	50V
C7	10-104-30	.1uF	50V
C8	10-104-30	.1uF	50V
C10	12R106-35	10uF	35V
C11	10A330-21	33pF	200V
C12	10A330-21	33pF	200V
C13	12R106-35	10uF	35V
C14	12R106-35	10uF	35V
C15	12R225-51	2.2uF	50V
C17	10A221-11	220pF	100V
C18	10A221-11	220pF	100V
C20	12R225-51	2.2uF	50V
C23	10A101-21	100pF	200V
C24	10A101-21	100pF	200V
C25	12R106-35	10uF	35V
C29	12R106-35	10uF	35V
C31	12R226-82	22uF	16V
C32	10A221-11	220pF	100V
C33	10A221-11	220pF	100V
C36	10A560-21	56pF	200V
C37	10A560-21	56pF	200V
C38	12R226-82	22uF	16V
C40	10-104-30	.1uF	50V
C43	10-104-30	.1uF	50V
C45	10-104-30	.1uF	50V
C55	12R108-12	1000uF	16V
C64	10-104-30	.1uF	50V
C65	10-104-30	.1uF	50V
D1	21A914-01	1N914	100V/0.1A
D3	21-573-01	RED	LED
D4	21-575-01	YELLOW	LED
D5	21-572-01	GREEN	LED
D6	21A402-01	1N4002	100V/1A
D7	21A402-01	1N4002	100V/1A
D8	21A402-01	1N4002	100V/1A
D9	21A402-01	1N4002	100V/1A
D10	21A754-01	1N754A	6.8V/0.5W
D12	21A914-01	1N914	100V/0.1A

REF	DES	PART#	DESCRIPTION
J1	39-117-51	T/R/S	JACK
J2	39-117-51	T/R/S	JACK
J3	39-117-51	T/R/S	JACK
J4	39-117-51	T/R/S	JACK
J5	39-202-01	DC_POWER	JACK
J6	76-000-05	JUMPER	1/4W
* J10	76-000-XX	JUMPER	1/4W
* J12	76-000-XX	JUMPER	1/4W
L1	94A001-01	FERRITE	BEAD
L2	94A001-01	FERRITE	BEAD
P1	70-503-27	DUAL POT	AUDIO
P2	70-502-28	DUAL POT	LINEAR
P3	70-503-27	DUAL POT	AUDIO
P4	88-601-32	32_POS.	SWITCH
P5	88-601-03	2_BIT	SWITCH
Q1	96R056-01	MPSA56	
R1	76-331-01	330	
R2	76-331-01	330	
R3	76-331-01	330	
R4	76-331-01	330	
R5	76-331-01	330	
R6	76-471-01	470	
R15	76-105-01	1M	
R16	76-105-01	1M	
R20	76-472-01	4.7K	
R21	76-223-01	22K	
R22	76-472-01	4.7K	
R23	76-471-01	470	
R24	76-471-01	470	
R25	76-223-01	22K	
R27	76-223-01	22K	
R28	76-223-01	22K	
R29	76-102-01	1K	
R33	76-103-01	10K	
R34	76-103-01	10K	
R35	76-105-01	1M	
R36	76-105-01	1M	
R39	76-103-01	10K	
R40	76-103-01	10K	
R43	76-473-01	47K	
R44	76-473-01	47K	
R45	76-010-01	1	
R46	76-102-01	1K	
R47	76-102-01	1K	
R70	76-221-01	220	
R72	76-221-01	220	
R73	76-223-01	22K	

REF	DES	PART#	DESCRIPTION
RN1	78N104-09	100K	R_NETWORK
U1	37-741-01	74HC541	
U2	37-801-80	ADSP2105	
** U3	38-80901(X)	PROGRAMMED EPROM	
U4	37-871-03	UM62256A	
U6	37-774-03	74HC374A	HEX_D_FF
U11	37-415-01	CS4215	
U12	37-474-01	MC34074	
U17	37-705-01	78M05	
U18	37-702-01	74HC02A	QUAD_NOR
X1	37-900-18	18.432MHz	
HS17	33-576-01	HEATSINK	
S2	17-460-68	68 PIN SOCKET(U2)	
S3	17-460-28	28 PIN SOCKET(U3)	
S11	17-460-44	44 PIN SOCKET(U11)	

MISC

06A809-01 PC BOARD

6	8-1-00	CHANGED C55 AND Q1 TO RADIALLY INSERTED	N00374	RLB		
5	5-16-00	CHANGED OP AMP FROM LMC6034 TO MC34074	N00331	RLB		
4	7-26-99	ADDED R73	N00071	RLB		
3	6-5-97	REMOVED C6,C27,C28,C44 & C63. ADD R4,5,6, & Q1	970171	RLB		
2	4-28-97	CHG POSITION OF D12		RLB		
1	11-15-96	CHG P2 TO 5K	960527	RLB		
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:		DATE:		11880 Borman Dr. St. Louis, Missouri 63146		
DRAWN: RLB		10-30-96		FIRST USED ON:		
CHK'D:				TFX1-SP		
RLS'D:				DRAWING TITLE:		
TOLERANCES:		DRAWING SIZE: C		DRAWING NO.:		
		DRAWING TYPE:		PICTORIAL		
		CLASS CODE:		DRAWING NO.:		
		SCALE: 1:1		SHEET: 1 OF 1		
				07P809-01		