

2	1/29/02	ADD LABLE	N00742	RLB		
1	10/2/01	PWB RE-IDENT	N00674	WFB		
0	8/29/01	CONTROL ISSUE				
Rev.	Date	DESC.	ECR(s)/ECN(s)	Chgd by	Appvd by	DATE
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
			SLM Electronics 11880 Borman Drive, St. Louis, MO 63146			
		Signatures:	Date:			
Drawn: WFB			7/26/01			
Checked:				First Used On:	DXB112a	
Released:						
Tolerance:	Drawing Size:	A		Drawing Title:	CONTROL/PWR AMP	
	Drawing Type:	PL				
	Class Code:			Drawing No.:	07-817-PL	
	Scale:	N/A				

ASSEMBLY PART #

07-817-XX

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
PWB1	06A817-02	1	PWB, CONTROL/POWER-AMP		
C33	10A102-11	3	.001 uF 100V 10% X7R	0.001	
C35					
C42					
C3	10A103-11	5	.01 uF 100V 10% X7R	0.01	
C4					
C9					
C26					
C43					
C16	10A223-01	1	.022 uF 50V 10% X7R	0.022	
C25	10A224-01	5	.22 uF 50V 10% X7R	0.22	
C31					
C34					
C45					
C46					
C14	10A330-21	1	33 pF 200V 10% NPO	33 pF	
C47	10A331-11	1	330 pF 100V 10% NPO	330 pF	
C29	10A471-11	1	470 pF 100V 5% NPO	470 pF	
C32	10A474-01	10	.47 uF 50V 20% X7R	0.47	
C36					
C49					
C50					
C51					
C52					
C53					
C54					
C55					
C56					
C27	10A560-21	2	56 pF 200V 5% NPO	56 pF	
C30					
C10	10R473-03	1	.047 uF 100V 10% RAD POLY	0.047	
C41	12R105-50	1	1 uF 50V 20% EL	1	
C2	12R106-35	4	10 uF 35V 20% EL	10	
C7					
C8					
C28					
C17	12R227-32	1	220 uF 35V 20% EL	220	
C15	12R335-51	1	3.3 uF 50V 20% EL NP	3.3	
C11	12R476-35	2	47 uF 35V 20% EL	47	
C13					
J5	17-836-01	2	.250 PC TAB STBL LOC 6021-6	LINE	
J7				NEUTRAL	
J1	17-894-01	10	.187 PC TAB STBL LOC 6024-6	ALTERNATE	
J2					
J3					
J4					
J6				RED	
J8				LINE>XFRM	
J9				NEUTRAL>XFRM	
				GROUND	

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REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
J10				RED	
J11				10V TAP	
J12					
D12	21A146-01	3	3.3V .4W ZENER 28 ohm Zz	1N746ARL	
D16					
D27					
D2	21A192-01	4	100V PIV 1.5A Io 1.4Vf@300µA	1N5392R X 4	
D3				1N5392R	
D5					
D6					
D7	21A402-01	6	100V PIV 1A .5W	1N4002TR	
D8					
D19					
D20					
D21					
D22				1N4002TR X 4	
D1	21A444-01	2	15V 1W ZENER 14 ohm Zz	1N4744ARL	
D4					
D9	21A914-01	11	75V PIV 10mA/1V .5W	1N914	
D13					
D14					
D15					
D17					
D18					
D23					
D24					
D25					
D26					
D28					
U4	37-072-01	2	TLO-72CP DUAL OP-AMP	TLO-72	
U5					
U3	37-074-01	1	TLO-74 QUAD OP-AMP	TLO-74	
JW1	76-000-05	42	22 GA TINNED COP%	0	
JW2					
JW3					
JW4					
JW6					
JW8					
JW9					
JW10					
JW12					
JW13					
JW14					
JW15					
JW16					
JW17					
JW19					
JW20					
JW22					
JW23					

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REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW24					
JW25					
JW27					
JW28					
JW29					
JW30					
JW31					
JW32					
JW33					
JW34					
JW35					
JW36					
JW37					
JW38					
JW39					
JW42					
JW44					
JW45					
JW47					
JW48					
JW49					
JW50					
JW51					
JWOPT2					
R5	76-010-01	1	1 OHM .25W 5% RESISTOR	1	
R18	76-101-01	2	100 OHM .25W 5% RESISTOR	100	
R37					
R3	76-102-01	8	1K OHM .25W 5% RESISTOR	1K	
R4					
R26					
R27					
R38					
R47					
R48					
R51					
R7	76-103-01	4	10K OHM .25W 5% RESISTOR	10K	
R12					
R45					
R55					
R52	76-152-01	1	1.5K OHM .25W 5% RESISTOR	1.5K	
R10	76-182-01	2	1.8K OHM .25W 5% RESISTOR	1.8K	
R32					
R14	76-221-01	1	220 OHM .25W 5% RESISTOR	220	
R54	76-222-01	1	2.2K OHM .25W 5% RESISTOR	2.2K	
R33	76-223-01	7	22K OHM .25W 5% RESISTOR	22K	
R34					
R35					
R39					
R40					
R49					

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REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
R50					
R6	76-224-01	2	220K OHM .25W 5% RESISTOR	220K	
R53					
R36	76-335-01	1	3.3M OHM .25W 5% RESISTOR	3.3M	
R9	76-470-01	1	47 OHM .25W 5% RESISTOR	47	
R31	76-472-01	2	4.7K OHM .25W 5% RESISTOR	4.7K	
R46					
R25	76-473-01	3	47K OHM .25W 5% RESISTOR	47K	
R29					
R30					
R28	76-474-01	1	470K OHM .25W 5% RESISTOR	470K	
R8	76-821-01	1	820 OHM .25W 5% RESISTOR	820	
R13	78A033-01	1	3.3 OHM 1W 5% MOX OR CF TAPE & REEL	3.3	
Q1	96R175-01	3	J175 P-CH 30Vds 3Vgs(off) 125ohmRdsON	J175	
Q4					
Q5					
Q3	96R587-01	1	2N5087 PNP -50V 1.5W -50mA	2N5087	
C5	10-332-01	1	.0033 uF [20% TOL] UL/VDE DISK	0.0033	
C12	10-474-03	1	.47 uF 100V	0.47	
C1	12-478-25	2	4700 uF 25V 20% EL	4700	
C6					
C44	12-688-16	1	6800 uF 16V 20% EL	6800	
J18	17-309-02	1	.156 ST POL MPSS156-2-D HEADER	4-OHM SPKR RIGHT	
F1	23-301-05	1	1AMP SLO BLO FUSE 250V	1 A SB	
FC1	23-926-02	2	Universal Fuse Clip	23-926-02	
FC2					
SCRW1	30-408-52	1	4-40 X 1/2 PPHEAD M/S	440	
NUT2	30-442-52	1	4-40 A.F. HEXKEPS ASSY		
SCRW3	30-638-53	3	6-32X3/8 PPH MS SEMS	6-32	
SCRW4					
SCRW5					
NUT3	30-700-01	3	6-32 HEX KEPNUT ASSY		
NUT4					
NUT5					
HS1	33-113-05	1	GX-40CXL HEATSINK BRAKT		
INS4	35-043-01	1	NYLON BUSHING NATURAL		
INS2	35-575-01	1	BERQUIST K10-58 INS		
U1	37-250-01	1	TDA-2050V 30W IC	TDA2050	
J19	39-116-01	1	T/S JACK HORIZ	T/S	RIGHT OUT
J20	39-117-01	1	TRS JACK HORIZ	TRS	HEAD PHONES
J14	39-117-51	2	T/R/S JACK W/GND WASHER	T/R/S	FOOTSWITCH
J21					INPUT
J13	39-121-05	1	DUAL RCA HORIZ MOUNT	DUAL RCA	CD INPUT
J15	39-900-01	1	5 PIN DIN MIDI JACK PC MNT	MIDI JACK	FOOT CONTROLLER
P8	70-503-29	1	50K LINEAR DUAL H	50K L	MASTER LEVEL
P1	70-503-92	7	50K LINEAR [10% TOL]		GAIN
P2					BASS
P3					MID
P4					TREBLE
P5					CHANNEL LEVEL

ASSEMBLY PART #

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REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
P6					REVERB LEVEL
P7					EFFECT ADJUST
R11	78-001-03	2	.1 OHM 3W 5% WIREWOUND	0.1	
R24					
R1	78-151-01	2	150 OHM 1W 5% MOX OR CF BULK	150	
R2					
R20	78-471-01	1	470 OHM 1W 5% MOX OR CF BULK	470	
SW1	88-606-16	2	16-POS ENCODER HORIZ. MNT. D-SHAFT	4-BIT ENCODER	AMP SIM
SW2					EFFECT
RC7	99-195-03	1	3PIN 150MM RIBBON CABLE		
RC5	99-195-05	1	5PIN 250MM RIBBON CABLE	TO DSP BOARD	
RC2	99-195-14	1	.1 PITCH10 PIN 4 RIBBON CABLE"	LEOCO RIBBON	
RC3	99-195-15	1	.1 PITCH5 PIN 7 RIBBON CABLE"		
RC1	99-195-16	2	.1 PITCH 8 PIN 6 RIBBON CABLE"	FLAT CABLE	
RC6				TO PREAMP BOARD	
RC4	99-195-17	1	7-PIN 180MM RIBBON CBL	FLAT CABLE	
LBL1	47-701-01	1	SM 1A S.B. 250V LABLE	0	0