

1	5/22/02	CHG LEVEL	N00834	WFB		
0	2/27/02	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: RLB		2/27/02				
Checked:				First Used On:	PB250	
Released:						
Tolerance:	Drawing Size:	A		Drawing Title:	BASS AMP	
	Drawing Type:	PL				
	Class Code:			Drawing No.:	07-459-PL	
	Scale:	N/A				

ASSEMBLY PART # 07-459-01

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
PWB1	06A459-01	1	PWB, CLASS D		
C15	10-105-01	4	1 uF 250Vdc 5per POLY	1	
C16					
C35					
C54					
C57	10-224-25	4	.22 uF 250V EVOX MTLPOLY	0.22	
C71					
C72					
C73					
C1	10-471-02	1	470 pF 100V EVOX/NON-STOCK	470pF	
C20	10-474-03	4	.47 uF 100V	0.47	
C21					
C22					
C36					
C64	10A101-21	1	100 pF 200V 10per NPO	100 pF	
C3	10A102-11	14	.001 uF 100V 10per X7R	0.001	
C8					
C9					
C26					
C27					
C29					
C37					
C38					
C39					
C40					
C44					
C46					
C47					
C48					
C2	10A104-01	6	.1 uF 50V 10per X7R	0.1	
C30					
C33					
C49					
C59					
C62					
C24	10A224-01	1	.22 uF 50V 10per X7R	0.22	
C6	10A331-11	2	330 pF 100V 10per NPO	330 pF	
C7					
C23	10A332-01	1	.0033 uF 100V 10per X7R	0.0033	
C17	10A471-11	2	470 pF 100V 5per NPO	470 pF	
C18					
C43	10A560-21	2	56 pF 200V 5per NPO	56 pF	
C74					
C14	10R102-30	10	.001uF 100V [10per TOL] .1LS COG (NPO)	0.001	
C28					
C41					
C42					
C45					
C56					

ASSEMBLY PART # 07-459-01

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
C75					
C76					
C77					
C78					
C63	10R103-05	4	.01 uF 100V 10per RAD POLY WIMA	0.01	
C65					
C66					
C80					
C10	10R104-30	9	.1uF 100V [10per TOL] .1LS X7R	0.1	
C11					
C12					
C34					
C52					
C53					
C60					
C61					
C81					
C79	12-337-03	1	330 uF 100V 20per EL	330	
C19	12-688-10	1	6800 uF 100V 20per EL	6800	
C50	12R105-50	2	1 uF 50V 20per EL	1	
C58					
C68	12R106-36	1	10 uF 35V 20per EL NP	10	
C25	12R225-50	2	2.2 uF 50V 20per EL	2.2	
C51					
C4	12R226-81	2	22 uF 50V 20per EL NP	22	
C5					
C13	12R476-35	3	47 uF 35V 20per EL	47	
C31					
C32					
J3	17-105-07	1	.1 ST POL LOCK MTSS100-7 HEADER		
J2	17-309-04	1	.156 ST POL MPSS156-4-D HEADER		
J1	17-894-01	2	.187 PC TAB STBL LOC 6024-6		
J4					
DB1	21-210-01	1	8A 400V BRIDGE RECT..	KBU1004G	
D2	21A105-01	4	400V PIV 1A RECTIFIER D0-41 PKG	SF16	
D3					
D13					
D16					
D18	21A146-01	1	3.3V .4W ZENER 28 ohm Zz	1N746ARL	
D9	21A443-01	3	13V 1W ZENER 10 ohm Zz	1N4743ARL	
D27					
D31					
D32	21A454-01	4	39V 1W ZENER	1N4754ARL	
D33					
D34					
D35					
D22	21A754-01	3	6.8V .5W ZENER 5 ohm Zz	1N754ARL	
D36					
D37					
D4	21A819-01	4	40V PIV SCHOTTKY 1A Io .6Vf@1mA	1N5819	

ASSEMBLY PART # 07-459-01

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
D5					
D6					
D7					
D1	21A914-01	23	75V PIV 10mA/1V .5W	1N914	
D8					
D10					
D11					
D14					
D15					
D17					
D19					
D20					
D21					
D24					
D25					
D28					
D29					
D30					
D38					
D39					
D40					
D41					
D42					
D43					
D44					
D45					
FC1	23-926-02	2	Universal Fuse Clip		
FC2					
HW4	30-440-02	4	4-40 X 3/8 PPH M/S	440	
HW5					
HW6					
HW7					
HW2	30-638-53	2	6-32X3/8 PPH MS SEMS	6-32	
HW3					
HW1	30-650-52	1	6-32 X 1/2 PPH TR3 TFS		
HS2	33-105-01	1	HEAT COUPLING BLOCK		
HS1	33-106-01	1	RECTIFIER HS		
INS5	35-105-01	4	HI TEMP INS SHLDR WASHER		
INS6					
INS7					
INS8					
INS1	35-417-01	4	AL.OXIDE INSUL. TO-220		
INS2					
INS3					
INS4					
U4	37-050-01	2	LM319A HIGH SPEED DUAL COMPARATOR	LM319A	
U5					
U3	37-072-01	2	TLO-72CP DUAL OP-AMP	TLO-72	
U7					
U2	37-100-01	1	80V/2.5A H.F. FULL BRIDGE FET DRIVER	HIP4080A	

ASSEMBLY PART # 07-459-01

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
U1	37-275-01	1	OP275GP DUAL OP IC	OP275GP	
U6	37-291-01	1	NJM2901M QUAD COMPARATOR	NJM2901	
IC1	37R350-01	1	LM35DZ 10mV/DEG C. TEMP. SENSOR	LM35DZ	
OC1	66-100-01	1	VTL-5C7 VACTROL	VTL-5C7	
R3	76-047-01	8	4.7 OHM .25W 5per RESISTOR	4.7	
R12					
R14					
R15					
R16					
R65					
R67					
R69					
R32	76-101-01	4	100 OHM .25W 5per RESISTOR	100	
R37					
R47					
R89					
R10	76-102-01	6	1K OHM .25W 5per RESISTOR	1K	
R36					
R40					
R60					
R85					
R93					
R5	76-103-01	6	10K OHM .25W 5per RESISTOR	10K	
R34					
R44					
R57					
R83					
R102					
R17	76-103-02	6	10K OHM .25W 1per RESISTOR		
R18					
R19					
R20					
R42					
R72					
R45	76-104-01	2	100K OHM .25W 5per RESISTOR	100K	
R78					
R88	76-152-01	1	1.5K OHM .25W 5per RESISTOR	1.5K	
R38	76-153-01	1	15K OHM .25W 5per RESISTOR	15K	
R9	76-153-02	3	15.4K OHM .25W 1per RESISTOR	15.4K	
R13					
R64					
R90	76-182-01	1	1.8K OHM .25W 5per RESISTOR	1.8K	
R54	76-221-01	1	220 OHM .25W 5per RESISTOR	220	
R33	76-223-01	2	22K OHM .25W 5per RESISTOR	22K	
R76					
R101	76-225-01	1	2.2M OHM .25W 5per RESISTOR	2.2M	
R84	76-242-02	1	2.49K OHM .25W 1per RESISTOR	2.49K	
R2	76-272-01	6	2.7K OHM .25W 5per RESISTOR	2.7K	
R6					
R35					

ITEM	P/N	QTY	DESC	VALUE	LABEL
R39					
R62					
R86					
R51	76-273-01	1	27K OHM .25W 5per RESISTOR	27K	
R22	76-274-01	2	270K OHM .25W 5per RESISTOR	270K	
R23					
R58	76-332-01	3	3.3K OHM .25W 5per RESISTOR	3.3K	
R59					
R94					
R7	76-333-02	3	33.2K OHM .25W 1per RESISTOR	33.2K	
R11					
R56					
R29	76-352-02	4	3.57K OHM .25W 1per RESISTOR	3.57K	
R30					
R49					
R75					
R4	76-470-01	2	47 OHM .25W 5per RESISTOR	47	
R66					
R31	76-471-01	3	470 OHM .25W 5per RESISTOR	470	
R87					
R92					
R70	76-472-01	5	4.7K OHM .25W 5per RESISTOR	4.7K	
R77					
R96					
R99					
R100					
R81	76-473-01	1	47K OHM .25W 5per RESISTOR	47K	
R25	76-473-02	3	47.5K OHM .25W 1per RESISTOR	47.5K	
R26					
R98					
R55	76-474-01	1	470K OHM .25W 5per RESISTOR	470K	
R27	76-512-02	2	5.11K OHM .25W 1per RESISTOR	5.11K	
R28					
R8	76-562-02	2	5.62K OHM .25W 1per RESISTOR	5.62K	
R74					
R52	76-681-01	3	680 OHM .25W 5per RESISTOR	680	
R71					
R95					
R80	76-682-01	1	6.8K OHM .25W 5per RESISTOR	6.8K	
R1	76-682-02	1	6.81K OHM .25W 1per RESISTOR	6.81K	
R91	76-684-01	1	680K OHM .25W 5per RESISTOR	680K	
R48	76-752-01	2	7.5K OHM .25W 5per RESISTOR	7.5K	
R50					
R68	76-822-01	1	8.2K OHM .25W 5per RESISTOR	8.2K	
R53	77-010-03	1	1 OHM .5W 5per FLAME-PROOF	1	
R21	77-152-03	1	1.5K .5W 5per FLAME-PROOF	1.5K	
R97	77-333-02	1	33.2K OHM .5W 1per RESISTOR	33.2K	
R41	77-470-03	2	47 OHM .5W 5per FLAME-PROOF	47	
R43					
R24	78-105-10	1	.01 OHM 5W 5per	0.01	

ASSEMBLY PART # 07-459-01

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
L12	94-013-01	2	15 uH @1kHz 7A max .015ohm	15 uH	
L13					
L14	94-014-01	2	5 uH @1kHz 7A max .015ohm	5 uH	
L15					
LF1	94-049-01	1	1mH 5 A EMI FILTER	1 mH	
L1	94A001-01	6	FERRITE BEAD TAPE&REEL	FERRITE	
L2					
L7					
L8					
L9					
L11					
M1	96-105-01	4	N-CHANNEL 100V 120W 33A MOSFET	HUF75631	
M2					
M3					
M4					
Q6	96R013-01	1	MPSA13 NPN 30V 1.5W .5A DARLINGTON	MPS-A13	
Q1	96R222-01	3	MPS2222A NPN 75VCBO 1.5W .6A	MPS2222	
Q2					
Q4					
Q5	96R907-01	1	MPS2907A PNP -60V 1.5W	MPS2907A	