

0	2/24/04	CONTROL ISSUE				
A	1/20/04	INITIAL 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			
			1901 Congressional Drive, St. Louis, MO 63146			
Signatures:		Date:				
Drawn: REM		1/20/04				
Checked:		First Used On: -				
Released:						
Tolerance:	Drawing Size:	A	Drawing Title:	PWA - ACOUSTIC POWER AMP		
	Drawing Type:	PL				
	Class Code:	Drawing No.: 07-473-PL				
	Scale:	N/A				

ASSEMBLY PART #

07-473-01

REVISION:

0

ITEM	P/N	DESC	VALUE	LABEL	MFG P/N 1	MFG P/N 2
AP1	71-501-02	500 OHM TRIMPOT HORZ.	500		PT10V 500H -- PHIER	
BR1	21-210-01	8A 400V BRIDGE RECT..	8A	0	RS1004 -- MICRO SEMICONDUCTOR	KBU1004G -- TAITRON
C1	10R104-03	.1 uF 100V 10% RAD POLY	0.1		DLR1P1KR -- CORNELL DUBILIER	5TY2ARB104KAN -- SAMHWA
C2	12-478-53	4700 uF 50V 20% EL	4700		LLK1H472MHSB -- NICHICON	CEAWF1H472M30 -- UCC
C3	10A330-21	33 pF 200V 10% NPO	33 pF		SA102A330JAA -- AVX	C410C330J2G5CA -- KEMET
C4	12-105-82	1 uF 50VAC/100VDC 10% EL	1		CTMO1OK01.0 -- ECI	CTMR10K03.0 -- ECI
C5	12R105-50	1 uF 50V 20% EL			USA1H010MDA1TE -- AVNET CORP	SSP010M1HC7 -- JAMICON
C6	12R106-35	10 uF 35V 20% EL	10		106RSS035MSI -- ILLINOIS CAPACITOR	USA1V100MCA1TE -- AVNET CORP
C7	10R104-03	.1 uF 100V 10% RAD POLY	0.1		DLR1P1KR -- CORNELL DUBILIER	5TY2ARB104KAN -- SAMHWA
C8	12R106-35	10 uF 35V 20% EL	10		106RSS035MSI -- ILLINOIS CAPACITOR	USA1V100MCA1TE -- AVNET CORP
C9	10A330-21	33 pF 200V 10% NPO	33 pF		SA102A330JAA -- AVX	C410C330J2G5CA -- KEMET
C10	10R104-03	.1 uF 100V 10% RAD POLY	0.1		DLR1P1KR -- CORNELL DUBILIER	5TY2ARB104KAN -- SAMHWA
C11	10A473-11	.047 uF 100V 10% X7R	0.047		SA301C473KAA -- AVX	C430C473K1R5CA -- KEMET
C12	12-478-53	4700 uF 50V 20% EL	4700		LLK1H472MHSB -- NICHICON	CEAWF1H472M30 -- UCC
C13	10-332-01	.0033 uF [20% TOL] UL/VDE DISK	0.0033		DE2E3KH332MA3B -- MURATA	0
C14						
C15	10A331-11	330 pF 100V 10% NPO	330 pF		SA101A331JAA -- AVX	C410C331J1G5CA -- KEMET
C16	12R105-50	1 uF 50V 20% EL	1		USA1H010MDA1TE -- AVNET CORP	SSP010M1HC7 -- JAMICON
C17	12R107-32	100 uF 35V 20% EL	100		1SG1VAB107MAR08 -- SAMHWA	SKP101M1VE11 -- JAMICON
C18	12R108-12	1000 uF 16V [20% TOL] EL	1000		SKP102M1CG16 -- JAMICON	UVR1C102MPA1TD -- NICHICON
C19	10A102-11	.001 uF 100V [10% TOL] X7R	0.001		SA101C102KAA -- AVX	C410C102K1R5CA -- KEMET
C20	12R107-32	100 uF 35V [20% TOL] EL	100		1SG1VAB107MAR08 -- SAMHWA	SKP101M1VE11 -- JAMICON
C21						
C22	10A102-11	.001 uF 100V [10% TOL] X7R	0.001		SA101C102KAA -- AVX	C410C102K1R5CA -- KEMET
C23	12R226-81	22 uF 50V [20% TOL] EL NP	22		226BPS050MSA -- ILLINOIS CAPACITOR	NKP220M1HF11 -- JAMICON
C24	12R105-50	1 uF 50V 20% EL	1		USA1H010MDA1TE -- AVNET CORP	SSP010M1HC7 -- JAMICON
D1	21A440-01	10V 1W ZENER 7 ohm Zz	1N4740ARL		1N4740A-TR -- ADVENT	0
D2	21A914-01	75V PIV 10mA/1V .5W	1N914		1N4148TR -- MARSHALL	
D7						
D8	21A440-01	10V 1W ZENER 7 ohm Zz	1N4740ARL		1N4740A-TR -- ADVENT	
D9						
D10	21-553-01	1N5353B 16V ZEN DIODE	1N5353B		1N5353B -- ON SEMI	
D11						
D12	21A914-01	75V PIV 10mA/1V .5W	1N914		1N4148TR -- MARSHALL	
D13						
D14						
D15						
F1	23-305-04	4 AMP SLO BLOW 3AG FUSE	4 A SB		M313.004 -- LITTELFUSE	
FC1	23-926-02	Universal Fuse Clip	23-926-02		OG 0751.0099 -- SCHURTER	POP AD43H -- ENGINEERED FASTENERS
FC2						
HS1	33-195-04	UNIVERSAL L" BRK	HEATSINK SHYE-DU"		0	0
HS2	33-004-01	HEATSINK CLIP	0		577500B00000 -- FUTURE	
HS3						
HS4	33-576-01	TO-220 CLIP-ON AAVID			576802B0 -- FUTURE ELECTRONICS	
INS1	35-575-02	BERQUIST K10-104 INS			0	
INS2						
INS3						
INS4						
J1	17-836-01	.250 PC TAB STBL LOC 6021-6			6021-6 -- ZIERICK MFG	

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0

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J2						
J3						
J4						
J5						
J6						
J7						
J8						
J9						
J12						
J13	17-894-01	.187 PC TAB STBL LOC 6024-6			6024-6 -- ZIERICK MFG	
J14	17-309-04	.156 ST POL MPSS156-4-D HEADER			0	
J16	17-836-01	.250 PC TAB STBL LOC 6021-6			6021-6 -- ZIERICK MFG	
J17						
J18	17-894-01	.187 PC TAB STBL LOC 6024-6			6024-6 -- ZIERICK MFG	
J19	17-836-01	.250 PC TAB STBL LOC 6021-6			6021-6 -- ZIERICK MFG	
J20						
J21						
J22	17-105-08	.1 ST POL LOCK MLSS100-8 HEADER			MLSS100-8-D -- PANCON	
J23	39-114-04	VERT TRS JACK W/SHUNTS L.S.	114BPC	SPEAKER	LJ-0695A-02-5 -- LIH SHENG PRECISION	
JW1	76-000-05	22 GA TINNED COPPER	0	0	22TC122 UNINSUL -- ADVENT	
JW2						
JW3						
JW4						
JW5						
JW6						
JW7						
JW8						
JW9						
JW11						
JW12						
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JW25						
JW26						
JW27						
JW28						
JW29						
JW30						
L1	94-141-01	.5 MICROHENRY COIL 15A	.5 uH		PN-1165-C -- MAGNETEK TRIAD	TCL-10707-00 -- KEEN OCEAN IND
NUT1	30-700-01	6-32 HEX KEPNUT ASSY	11841		30-700-01 -- PYRAMID SCREW PRODUCTS	0

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07-473-01

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0

ITEM	P/N	DESC	VALUE	LABEL	MFG P/N 1	MFG P/N 2
NUT2						
NUT3						
PWB1	06A473-01	POWER AMP PC BD	0		0	
Q1	96-014-01	IRFP140R N-CH 100V 125W 27A	IRFP-140R		IRFP140 -- ARROW	
Q2						
Q3	96-914-01	IRFP9140R P-CH -100V 150W -19A	IRFP-9140R		IRFP9140R -- INTERNATIONAL RECTIFIER	
Q4						
Q5	96R006-01	MPSA06 NPN 80V 1.5W .5A	MPS-A06		MPS-A06 D75Z -- FAIRCHILD	MPS-A06 D27Z -- FAIRCHILD
Q6	96-034-01	MJE340 NPN 300V 20W .5A	MJE-340		MJE-340 -- ON SEMI	0
Q7	96R176-01	J176 P-CH 30Vds 1Vgs(off) 250 OHM RdsON	J176		PN176A -- PHILLIPS	
Q8	96-035-01	MJE350 PNP -300V 20W -.5A	MJE-350		MJE-350 -- ON SEMI	
Q9	96-120-01	TIP120 NPN 60V 65W 5A DARLINGTON	TIP-120		TIP-120 -- ON SEMI	
Q10	96R176-01	J176 P-CH 30Vds 1Vgs(off) 250 OHM RdsON	J176		PN176A -- PHILLIPS	
R1	78-331-10	330 OHM 10W 5% W/FEET	330		0	
R3	78A033-01	3.3 OHM 1W 5% MOX OR CF TAPE & REEL	3.3		3.3-R86-3163 -- SEI	
R5	78A010-11	1 OHM 1W 5% METAL FILM TAPE & REEL	1		1-R86-3163 -- SEI	
R6	76-470-01	47 OHM .25W 5% RESISTOR	47		47-QTR-ND -- YAGEO/DIGIKEY	47-R86-0040 -- SEI
R7						
R8						
R9						
R10	76-271-01	270 OHM .25W 5% RESISTOR	270		270-QTR-ND -- YAGEO/DIGIKEY	270-R86-0040 -- SEI
R11	76-473-01	47K OHM .25W 5% RESISTOR	47K		47K-QTR-ND -- YAGEO/DIGIKEY	47K-R86-0040 -- SEI
R12	78-330-10	.33 OHM 10W 5% W/FEET	0.33		0	0
R14	76-105-01	1M OHM .25W 5% RESISTOR	1M		1M-QTR-ND -- YAGEO/DIGIKEY	1M-R86-0040 -- SEI
R15	76-333-01	33K OHM .25W 5% RESISTOR	33K		33KQTR-ND -- YAGEO/DIGIKEY	33K-R86-0040 -- SEI
R16	78-330-10	.33 OHM 10W 5% W/FEET	0.33		0	0
R17	76-102-01	1K OHM .25W 5% RESISTOR	1K		1K-QTR-ND -- YAGEO/DIGIKEY	1K-R86-0040 -- SEI
R18	76-333-01	33K OHM .25W 5% RESISTOR	33K		33K-QTR-ND -- YAGEO/DIGIKEY	33K-R86-0040 -- SEI
R19	76-102-01	1K OHM .25W 5% RESISTOR	1K		1K-QTR-ND -- YAGEO/DIGIKEY	1K-R86-0040 -- SEI
R20	78-330-10	.33 OHM 10W 5% W/FEET	0.33		0	0
R22	76-221-01	220 OHM .25W 5% RESISTOR	220		220-QTR-ND -- YAGEO/DIGIKEY	220-R86-0040 -- SEI
R23	76-331-01	330 OHM .25W 5% RESISTOR	330		330-QTR-ND -- YAGEO/DIGIKEY	330-R86-0040 -- SEI
R24	76-472-01	4.7K OHM .25W 5% RESISTOR	4.7K		4.7K-QTR-ND -- YAGEO/DIGIKEY	4.7K-R86-0040 -- SEI
R25	76-271-01	270 OHM .25W 5% RESISTOR	270		270-QTR-ND -- YAGEO/DIGIKEY	270-R86-0040 -- SEI
R26	76-221-01	220 OHM .25W 5% RESISTOR	220		220-QTR-ND -- YAGEO/DIGIKEY	220-R86-0040 -- SEI
R27	78-330-10	.33 OHM 10W 5% W/FEET	0.33		0	0
R28	76-470-01	47 OHM .25W 5% RESISTOR	47		47-QTR-ND -- YAGEO/DIGIKEY	47-R86-0040 -- SEI
R29	76-102-01	1K OHM .25W 5% RESISTOR	1K		1K-QTR-ND -- YAGEO/DIGIKEY	1K-R86-0040 -- SEI
R30	78-121-10	120 OHM 10W 5% W/FEET	120		0	0
R31	76-010-01	1 OHM .25W 5% RESISTOR	1		1.0QTR-ND -- YAGEO/DIGIKEY	1.0-R86-0040 -- SEI
R32	78-181-10	180 OHM 10W 10% W/FEET	180		0	0
R33	78-121-10	120 OHM 10W 5% W/FEET	120			
R34	77-472-01	4.7K OHM .5W 5% RESISTOR	4.7K		4.7K-R86-0080 -- SEI	
R35	76-102-01	1K OHM .25W 5% RESISTOR	1K		1K-QTR-ND -- YAGEO/DIGIKEY	1K-R86-0040 -- SEI
R36	76-105-01	1M OHM .25W 5% RESISTOR	1M		1M-QTR-ND -- YAGEO/DIGIKEY	1M-R86-0040 -- SEI
R37	78-100-01	10 OHM 2W 5% MOX OR CF BULK	10		10-86-3263 -- SEI	0
SCRW1	30-650-53	6-32 X 1/2 PPH MS	11841		30-650-53 -- PYRAMID SCREW PRODUCTS	
SCRW2						
SCRW3						
SCRW4						

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0

ITEM	P/N	DESC	VALUE	LABEL	MFG P/N 1	MFG P/N 2
SCRW5						
SCRW6						
SCRW7						
U1	37-532-01	NE5532(N/P) DUAL OP-AMP	NE5532		NE5532P -- TI	
W1	97-167-04	7IN 18GA BLACK STRIP WIRE	18 G BLK	BLK	0	
W2	97-167-05	7IN 18GA WHITE STRIP WIRE	18 G WHT	WHT		
WSHR1	30-636-01	#6 BELLEVILLE WASHER	#6	0	AI-431322 MECZC -- ROLEX C NATIONAL DISC	
WSHR2						
WSHR3						
WSHR4						