

2	11/7/01	ADD -03	N00730	RLB		
1	4/26/00	ADD -02	N00282	RLB		4/26/00
0	2/18/00	CNTRL ISSUE				
A	11/22/99	INITIAL ISSUE				

Rev.	Date	DESC.	ECR(s)/ECN(s)	Chgd by	Appvd by	DATE
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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	11/22/99		
Checked:		First Used On:	GFX50a
Released:			
Tolerance:	Drawing Size: A	Drawing Title:	PWA, STUDENT AMP
	Drawing Type: PL		
	Class Code:	Drawing No.:	07-500-PL
	Scale: N/A		

ASSEMBLY PART #

07-500-01

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
PWB1	06A500-01	1	PWB1		
C35	10-332-01	2	.0033 UF [20% TOL] UL/VDE DISK		
C49					
C1	10A101-21	2	100 PF 200V 10% NPO		
C2					
C3	10A102-11	2	.001 uF 100V 10% X7R		
C4					
C60	10A103-11	1	.01 uF 100V 10% X7R		
C16	10A104-01	6	.1 uF 50V 10% X7R		
C18					
C28					
C30					
C33					
C58					
C5	10A221-11	2	220 pF 100V 10% NPO		
C6					
C9	10A222-11	8	.0022uF 100V 10% NPO		
C10					
C15					
C17					
C53					
C54					
C55					
C56					
C36	10A223-01	1	.022 uF 50V 10% X7R		
C51	10A224-01	1	.22 uF 50V 10% X7R		
C31	10A332-01	2	.0033 uF 100V 10% X7R		
C32					
C19	10A471-11	3	470 pF 100V 5% NPO		
C20					
C44					
C27	10A472-11	2	.0047 uF 100V 10% X7R		
C29					
C23	10A473-11	2	.047 uF 100V 10% X7R		
C24					
C50	10A561-11	1	560 pF 100V 10% NPO		
C52	10F224-03	2	.22 uF 100V 10% RAD POLY FORMED		
C57					
C40	12-478-32	2	4700 uF 35V 20% EL		
C41					
C13	12R105-50	6	1 uF 50V 20% EL		
C14					
C34					
C37					
C38					
C39					
C7	12R106-35	9	10 uF 35V 20% EL		
C8					
C21					

ASSEMBLY PART #

07-500-01

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
C22					
C42					
C43					
C46					
C47					
C48					
C59	12R107-32	1	100 uF 35V 20% EL		
C11	12R225-50	4	2.2 uF 50V 20% EL		
C12					
C25					
C26					
C45	12R475-82	1	4.7 uF 50V 20% EL NP		
J6	17-105-08	1	.1" ST POL LOCK MTSS100-8 HEADER		
J11	17-106-08	2	.1 R/A POL LOCK MTAS100-8 HEADER		
J8			.1" R/A POL LOCK MTAS100-8 HEADER		
J18	17-309-04	1	.156 ST POL MPSS156-4-D HEADER		
J22	17-310-02	1	.156" ST POL MFSS156-2-D HEADER		
J10	17-311-04	1	.156 R/A MFAS156-4-D HEADER		
J7	17-836-01	14	.250 PC TAB STBL LOC 6021-6		
J12					
J13					
J14					
J15					
J16					
J17					
J19					
J20					
J21					
J23					
J24					
J26					
J27					
J9	17-894-01	2	.187 PC TAB STBL LOC 6024-6		
J25					
D21	21-501-01	1	RED LED ASSY, HI EFF.		
D17	21-541-01	4	1N5401 DIODE/MOTOROLA 3 AMP		
D18					
D19					
D20					
D5	21A146-01	4	3.3V .4W ZENER 28 ohm Zz		
D6					
D11					
D13					
D24	21A443-01	2	13V 1W ZENER 10 ohm Zz		
D25					
D28	21A444-01	1	15V 1W ZENER 14 ohm Zz		
D26	21A447-01	1	20V 1W ZENER 22 ohm Zz		
D7	21A754-01	4	6.8V .5W ZENER 5 ohm Zz		
D8					
D12					

ASSEMBLY PART #

07-500-01

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
D14					
D1	21A914-01	11	75V PIV 10mA/1V .5W		
D2					
D3					
D4					
D9					
D10					
D15					
D16					
D22					
D23					
D27					
F1	23-301-05	1	1AMP SLO BLO FUSE 250V		
FC1	23-926-02	2	Universal Fuse Clip		
FC2					
U3	37-072-01	3	TLO-72CP DUAL OP-AMP		
U4					
U5					
U1	37-074-01	2	TLO-74 QUAD OP-AMP		
U2					
U6	37-532-01	1	NE5532(N/P) DUAL OP-AMP		
U7	37-886-02	1	LM3886TF11B 68W PWR AMP W/MUTE		
J1	39-114-04	2	VERT TRS JACK W/SHUNTS L.S.		
J2					
J4	39-117-01	2	TRS JACK HORIZ		
J5					
J3	39-121-05	1	DUAL RCA HORIZ MOUNT		
P1	70-103-41	10	10K AUDIO		
P2					
P3					
P4					
P6					
P7					
P13					
P14					
P16					
P17					
P9	70-254-40	5	250K LINEAR		
P10					
P11					
P12					
P15					
P5	70-501-40	2	500 AUDIO		
P8					
JW1	76-000-05	28	22 GA TINNED COPPER		
JW3					
JW4					
JW6					
JW7					
JW9					

ASSEMBLY PART #

07-500-01

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW12					
JW13					
JW14					
JW15					
JW16					
JW17					
JW18					
JW19					
JW20					
JW22					
JW23					
JW24					
JW25					
JW26					
JW27					
JW28					
JW34					
JW35					
JW36					
JW39					
JW40					
JW44					
R65	76-101-01	2		100 OHM .25W 5% RESISTOR	
R66					
R76	76-102-01	2		1K OHM .25W 5% RESISTOR	
R77					
R17	76-103-01	13		10K OHM .25W 5% RESISTOR	
R22					
R39					
R40					
R43					
R44					
R50					
R51					
R55					
R56					
R60					
R79					
R80					
R68	76-104-01	4		100K OHM .25W 5% RESISTOR	
R73					
R74					
R85					
R67	76-105-01	1		1M OHM .25W 5% RESISTOR	
R5	76-152-01	4		1.5K OHM .25W 5% RESISTOR	
R7					
R19					
R20					
R1	76-222-01	9		2.2K OHM .25W 5% RESISTOR	
R2					

ASSEMBLY PART #

07-500-01

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
R6					
R8					
R11					
R12					
R14					
R16					
R53					
R25	76-223-01	10	22K OHM .25W 5% RESISTOR		
R26					
R27					
R28					
R46					
R47					
R52					
R75					
R83					
R86					
R63	76-224-01	1	220K OHM .25W 5% RESISTOR		
R3	76-274-01	3	270K OHM .25W 5% RESISTOR		
R4					
R64					
R13	76-332-01	2	3.3K OHM .25W 5% RESISTOR		
R15					
R81	76-470-01	1	47 OHM .25W 5% RESISTOR		
R18	76-471-01	3	470 OHM .25W 5% RESISTOR		
R23					
R69					
R21	76-472-01	8	4.7K OHM .25W 5% RESISTOR		
R24					
R29					
R30					
R41					
R42					
R49					
R54					
R31	76-473-01	10	47K OHM .25W 5% RESISTOR		
R32					
R34					
R36					
R37					
R38					
R45					
R48					
R57					
R58					
R33	76-474-01	2	470K OHM .25W 5% RESISTOR		
R35					
R9	76-752-01	2	7.5K OHM .25W 5% RESISTOR		
R10					
R84	76-822-01	1	8.2K OHM .25W 5% RESISTOR		

ASSEMBLY PART #

07-500-01

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
R82	77-222-01	1	2.2K OHM .5W 5% RESISTOR		
R59	77-272-01	1	2.7K OHM .5W 5% RESISTOR		
R70	78-001-03	2	.1 OHM 3W 5% WIREWOUND		
R72					
R71	78-033-01	1	3.3 OHM 1W 5% MOX OR CF BULK		
R61	78-271-05	3	270 OHM 5W 5% W/FEET		
R62					
R78					
SW1	88-907-01	2	PDT PB SW TL22001EE W/1D BLK BUTI		
SW2					
Q2	96R112-01	2	112 N-CH -35Vdg -5Vgs(off) 50ohmRdsO		
Q4					
Q3	96R510-01	1	2N5210 NPN 50V 1.5W 50mA		
Q1	96R587-01	1	2N5087 PNP -50V 1.5W -50mA		
W2A	97-168-62	2	6.5 RED STRIP WIRE 20G		
W2B					
W1A	97-168-64	2	6.5 YELLOW STRIP WIRE 20G		
W1B					
W8A	97-168-66	2	6.5 BLACK STRIP WIRE 20G		
W8B					

ASSEMBLY PART #

07-500-02

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
PWB1	06A500-01	1	PWB1		
C35	10-332-01	2	.0033 UF [20% TOL] UL/VDE DISK		
C49					
C1	10A101-21	2	100 PF 200V 10% NPO		
C2					
C3	10A102-11	2	.001 uF 100V 10% X7R		
C4					
C60	10A103-11	1	.01 uF 100V 10% X7R		
C16	10A104-01	6	.1 uF 50V 10% X7R		
C18					
C28					
C30					
C33					
C58					
C5	10A221-11	2	220 pF 100V 10% NPO		
C6					
C9	10A222-11	8	.0022uF 100V 10% NPO		
C10					
C15					
C17					
C53					
C54					
C55					
C56					
C36	10A223-01	1	.022 uF 50V 10% X7R		
C51	10A224-01	1	.22 uF 50V 10% X7R		
C31	10A332-01	2	.0033 uF 100V 10% X7R		
C32					
C19	10A471-11	3	470 pF 100V 5% NPO		
C20					
C44					
C27	10A472-11	2	.0047 uF 100V 10% X7R		
C29					
C23	10A473-11	2	.047 uF 100V 10% X7R		
C24					
C50	10A561-11	1	560 pF 100V 10% NPO		
C52	10F224-03	2	.22 uF 100V 10% RAD POLY FORMED		
C57					
C40	12-478-32	2	4700 uF 35V 20% EL		
C41					
C13	12R105-50	6	1 uF 50V 20% EL		
C14					
C34					
C37					
C38					
C39					
C7	12R106-35	9	10 uF 35V 20% EL		
C8					
C21					

ASSEMBLY PART #

07-500-02

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
C22					
C42					
C43					
C46					
C47					
C48					
C59	12R107-32	1	100 uF 35V 20% EL		
C11	12R225-50	4	2.2 uF 50V 20% EL		
C12					
C25					
C26					
C45	12R475-82	1	4.7 uF 50V 20% EL NP		
J6	17-105-08	1	.1" ST POL LOCK MTSS100-8 HEADER		
J11	17-106-08	2	.1 R/A POL LOCK MTAS100-8 HEADER		
J8			.1" R/A POL LOCK MTAS100-8 HEADER		
J18	17-309-04	1	.156 ST POL MPSS156-4-D HEADER		
J22	17-310-02	1	.156" ST POL MFSS156-2-D HEADER		
J10	17-311-04	1	.156 R/A MFAS156-4-D HEADER		
J7	17-836-01	14	.250 PC TAB STBL LOC 6021-6		
J12					
J13					
J14					
J15					
J16					
J17					
J19					
J20					
J21					
J23					
J24					
J26					
J27					
J9	17-894-01	2	.187 PC TAB STBL LOC 6024-6		
J25					
D21	21-501-01	1	RED LED ASSY, HI EFF.		
D17	21-541-01	4	1N5401 DIODE/MOTOROLA 3 AMP		
D18					
D19					
D20					
D5	21A146-01	4	3.3V .4W ZENER 28 ohm Zz		
D6					
D11					
D13					
D24	21A443-01	2	13V 1W ZENER 10 ohm Zz		
D25					
D28	21A444-01	1	15V 1W ZENER 14 ohm Zz		
D26	21A447-01	1	20V 1W ZENER 22 ohm Zz		
D7	21A754-01	4	6.8V .5W ZENER 5 ohm Zz		
D8					
D12					

ASSEMBLY PART #

07-500-02

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
D14					
D1	21A914-01	11	75V PIV 10mA/1V .5W		
D2					
D3					
D4					
D9					
D10					
D15					
D16					
D22					
D23					
D27					
F1	23-301-05	1	1AMP SLO BLO FUSE 250V		
FC1	23-926-02	2	Universal Fuse Clip		
FC2					
U3	37-072-01	3	TLO-72CP DUAL OP-AMP		
U4					
U5					
U1	37-074-01	2	TLO-74 QUAD OP-AMP		
U2					
U6	37-532-01	1	NE5532(N/P) DUAL OP-AMP		
U7	37-886-02	1	LM3886TF11B 68W PWR AMP W/MUTE		
J1	39-114-04	2	VERT TRS JACK W/SHUNTS L.S.		
J2					
J4	39-117-01	2	TRS JACK HORIZ		
J5					
J3	39-121-05	1	DUAL RCA HORIZ MOUNT		
P1	70-103-41	10	10K AUDIO		
P2					
P3					
P4					
P6					
P7					
P13					
P14					
P16					
P17					
P9	70-254-40	5	250K LINEAR		
P10					
P11					
P12					
P15					
P5	70-501-40	2	500 AUDIO		
P8					
JW1	76-000-05	28	22 GA TINNED COPPER		
JW3					
JW4					
JW6					
JW7					
JW9					

ASSEMBLY PART #

07-500-02

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW12					
JW13					
JW14					
JW15					
JW16					
JW17					
JW18					
JW19					
JW20					
JW22					
JW23					
JW24					
JW25					
JW26					
JW27					
JW28					
JW34					
JW35					
JW36					
JW39					
JW40					
JW44					
R65	76-101-01	2	100 OHM .25W 5% RESISTOR		
R66					
R76	76-102-01	2	1K OHM .25W 5% RESISTOR		
R77					
R17	76-103-01	12	10K OHM .25W 5% RESISTOR		
R22					
R39					
R40					
R43					
R44					
R51					
R55					
R56					
R60					
R79					
R80					
R68	76-104-01	4	100K OHM .25W 5% RESISTOR		
R73					
R74					
R85					
R67	76-105-01	1	1M OHM .25W 5% RESISTOR		
R5	76-152-01	4	1.5K OHM .25W 5% RESISTOR		
R7					
R19					
R20					
R1	76-222-01	9	2.2K OHM .25W 5% RESISTOR		
R2					
R6					

ASSEMBLY PART #

07-500-02

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
R8					
R11					
R12					
R14					
R16					
R53					
R25	76-223-01	10	22K OHM .25W 5% RESISTOR		
R26					
R27					
R28					
R46					
R47					
R52					
R75					
R83					
R86					
R63	76-224-01	1	220K OHM .25W 5% RESISTOR		
R3	76-274-01	3	270K OHM .25W 5% RESISTOR		
R4					
R64					
R13	76-332-01	2	3.3K OHM .25W 5% RESISTOR		
R15					
R81	76-470-01	1	47 OHM .25W 5% RESISTOR		
R18	76-471-01	3	470 OHM .25W 5% RESISTOR		
R23					
R69					
R50	76-472-01	9	4.7K OHM .25W 5% RESISTOR		
R21					
R24					
R29					
R30					
R41					
R42					
R49					
R54					
R31	76-473-01	10	47K OHM .25W 5% RESISTOR		
R32					
R34					
R36					
R37					
R38					
R45					
R48					
R57					
R58					
R33	76-474-01	2	470K OHM .25W 5% RESISTOR		
R35					
R9	76-752-01	2	7.5K OHM .25W 5% RESISTOR		
R10					
R84	76-822-01	1	8.2K OHM .25W 5% RESISTOR		

ASSEMBLY PART #

07-500-02

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
R82	77-222-01	1	2.2K OHM .5W 5% RESISTOR		
R59	77-272-01	1	2.7K OHM .5W 5% RESISTOR		
R70	78-001-03	2	.1 OHM 3W 5% WIREWOUND		
R72					
R71	78-033-01	1	3.3 OHM 1W 5% MOX OR CF BULK		
R61	78-271-05	2	270 OHM 5W 5% W/FEET		
R62					
R78	78-101-05	1	100 OHM 5W 5% W/FEET		
SW1	88-907-01	2	PDT PB SW TL22001EE W/1D BLK BUTT		
SW2					
Q2	96R112-01	2	112 N-CH -35Vdg -5Vgs(off) 50ohmRdsO		
Q4					
Q3	96R510-01	1	2N5210 NPN 50V 1.5W 50mA		
Q1	96R587-01	1	2N5087 PNP -50V 1.5W -50mA		
W2A	97-168-62	2	6.5 RED STRIP WIRE 20G		
W2B					
W1A	97-168-64	2	6.5 YELLOW STRIP WIRE 20G		
W1B					
W8A	97-168-66	2	6.5 BLACK STRIP WIRE 20G		
W8B					

ASSEMBLY PART #

07-500-03

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
PWB1	06A500-02	1	PWB1		
C35	10-332-01	2	.0033 uF [20per TOL] UL/VDE DISK	0.0033	
C49					
C1	10A101-21	2	100 pF 200V 10per NPO	100 pF	
C2					
C3	10A102-11	3	.001 uF 100V 10per X7R	0.001	
C4					
C60					
C16	10A104-01	6	.1 uF 50V 10per X7R	0.1	
C18					
C28					
C30					
C33					
C58					
C5	10A221-11	2	220 pF 100V 10per NPO	220 pF	
C6					
C9	10A222-11	8	.0022uF 100V 10per NPO	0.0022	
C10					
C15					
C17					
C53					
C54					
C55					
C56					
C36	10A223-01	1	.022 uF 50V 10per X7R	0.022	
C51	10A224-01	1	.22 uF 50V 10per X7R	0.22	
C31	10A332-01	2	.0033 uF 100V 10per X7R	0.0033	
C32					
C19	10A471-11	3	470 pF 100V 5per NPO	470 pF	
C20					
C44					
C27	10A472-11	2	.0047 uF 100V 10per X7R	0.0047	
C29					
C23	10A473-11	2	.047 uF 100V 10per X7R	0.047	
C24					
C50	10A561-11	1	560 pF 100V 10per NPO	560 pF	
C52	10F224-03	2	.22 uF 100V 10per RAD POLY FORMED	0.22	
C57					
C40	12-478-32	2	4700 uF 35V 20 1.732186E-310L	4700	
C41					
C13	12R105-50	6	1 uF 50V 20per EL	1	
C14					
C34					
C37					
C38					
C39					
C7	12R106-35	9	10 uF 35V 20per EL	10	
C8					
C21					

ASSEMBLY PART #

07-500-03

REVISION 2

ITEM	P/N	QTY	DESC	VALUE	LABEL
C22					
C42					
C43					
C46					
C47					
C48					
C59	12R107-32	1	100 uF 35V 20per EL	100	
C11	12R225-50	4	2.2 uF 50V 20per EL	2.2	
C12					
C25					
C26					
C45	12R475-82	1	4.7 uF 50V 20per EL NP	4.7	
J6	17-105-08	1	.1 ST POL LOCK MTSS100-8 HEADER"	L100-8V	
J8	17-106-08	2	.1 R/A POL LOCK MTAS100-8 HEADER	{Value}	
J11					
J18	17-309-04	1	.156 ST POL MPSS156-4-D HEADER	P156-4V	
J22	17-310-02	1	.156 ST POL MFSS156-2-D HEADER"	156-2V	
J10	17-311-04	1	.156 R/A MFAS156-4-D HEADER	156-4H	
J7	17-836-01	14	.250 PC TAB STBL LOC 6021-6	.250 TAB	
J12					
J13					
J14					
J15					
J16					
J17					
J19					
J20					
J21					
J23					
J24					
J26					
J27					
J9	17-894-01	2	.187 PC TAB STBL LOC 6024-6	.187 TAB	
J25					
D21	21-501-01	1	RED LED ASSY, HI EFF.	RED	
D17	21-541-01	4	1N5401 DIODE/MOTOROLA 3 AMP	1N5401	
D18					
D19					
D20					
D5	21A146-01	4	3.3V .4W ZENER 28 ohm Zz	1N746ARL	
D6					
D11					
D13					
D24	21A443-01	2	13V 1W ZENER 10 ohm Zz	1N4743ARL	
D25					
D29	21A444-01	1	15V 1W ZENER 14 ohm Zz	1N4744ARL	
D7	21A754-01	5	6.8V .5W ZENER 5 ohm Zz	1N754ARL	
D8					
D12					
D14					

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ITEM	P/N	QTY	DESC	VALUE	LABEL
D28					
D1	21A914-01	11	75V PIV 10mA/1V .5W	1N914	
D2					
D3					
D4					
D9					
D10					
D15					
D16					
D22					
D23					
D27					
FC1	23-926-02	2	Universal Fuse Clip	23-926-02	
FC2					
U3	37-072-01	3	TLO-72CP DUAL OP-AMP	TLO-72	
U4					
U5					
U1	37-074-01	2	TLO-74 QUAD OP-AMP	TLO-74	
U2					
U6	37-532-01	1	NE5532(N/P) DUAL OP-AMP	NE5532	
U7	37-886-02	1	LM3886TF11B 68W PWR AMP W/MUTE	LM3886	
J1	39-114-04	2	VERT TRS JACK W/SHUNTS L.S.	114BPC	
J2					
J4	39-117-01	2	TRS JACK HORIZ	TRS	
J5					
J3	39-121-05	1	DUAL RCA HORIZ MOUNT	RCA	
P1	70-103-41	10	10K AUDIO	10K A	
P2					
P3					
P4					
P6					
P7					
P13					
P14					
P16					
P17					
P9	70-254-40	5	250K LINEAR	250K L	
P10					
P11					
P12					
P15					
P5	70-501-40	2	500 AUDIO	500 A	
P8					
JW1	76-000-05	29	22 GA TINNED COPPER	0	
JW3					
JW4					
JW6					
JW7					
JW9					
JW12					

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW13					
JW14					
JW15					
JW16					
JW17					
JW18					
JW19					
JW20					
JW22					
JW23					
JW24					
JW25					
JW26					
JW27					
JW28					
JW29					
JW34					
JW35					
JW36					
JW39					
JW40					
JW44					
R65	76-101-01	2	100 OHM .25W 5per RESISTOR	100	
R66					
R76	76-102-01	2	1K OHM .25W 5per RESISTOR	1K	
R77					
R17	76-103-01	14	10K OHM .25W 5per RESISTOR	10K	
R22					
R39					
R40					
R43					
R44					
R48					
R51					
R55					
R56					
R60					
R79					
R80					
R83					
R68	76-104-01	4	100K OHM .25W 5per RESISTOR	100K	
R73					
R74					
R85					
R67	76-105-01	1	1M OHM .25W 5per RESISTOR	1M	
R5	76-152-01	4	1.5K OHM .25W 5per RESISTOR	1.5K	
R7					
R19					
R20					
R1	76-222-01	9	2.2K OHM .25W 5per RESISTOR	2.2K	

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ITEM	P/N	QTY	DESC	VALUE	LABEL
R2					
R6					
R8					
R11					
R12					
R14					
R16					
R53					
R25	76-223-01	9	22K OHM .25W 5per RESISTOR	22K	
R26					
R27					
R28					
R46					
R47					
R52					
R75					
R86					
R63	76-224-01	1	220K OHM .25W 5per RESISTOR	220K	
R3	76-274-01	3	270K OHM .25W 5per RESISTOR	270K	
R4					
R64					
R13	76-332-01	2	3.3K OHM .25W 5per RESISTOR	3.3K	
R15					
R81	76-470-01	1	47 OHM .25W 5per RESISTOR	47	
R18	76-471-01	3	470 OHM .25W 5per RESISTOR	470	
R23					
R69					
R21	76-472-01	9	4.7K OHM .25W 5per RESISTOR	4.7K	
R24					
R29					
R30					
R41					
R42					
R49					
R50					
R54					
R31	76-473-01	10	47K OHM .25W 5per RESISTOR	47K	
R32					
R34					
R36					
R37					
R38					
R45					
R57					
R58					
R84					
R33	76-474-01	2	470K OHM .25W 5per RESISTOR	470K	
R35					
R9	76-752-01	2	7.5K OHM .25W 5per RESISTOR	7.5K	
R10					

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ITEM	P/N	QTY	DESC	VALUE	LABEL
R59	77-272-01	1	2.7K OHM .5W 5% RESISTOR	2.7K 1/2W	
R70	78-001-03	2	.1 OHM 3W 5WIREWOUND	.1 3W	
R72					
R71	78-033-01	1	3.3 OHM 1W 5MOX OR CF BULK	3.3 1W	
R78	78-101-05	1	100 OHM 5W 5per MINI MOX	100	
R61	78-271-05	2	270 OHM 5W 5% W/FEET	270 5W	
R62					
SW1	88-907-01	2	DPDT PB SW TL22001EE W/1D BLK BUTN	DPDT	
SW2					
Q2	96R112-01	1	J112 N-CH -35Vdg -5Vgs(off) 50ohmRdsON	J112	
Q4	96R175-01	1	J175 P-CH 30Vds 3Vgs(off) 125ohmRdsON	J175	
Q1	96R587-01	2	2N5087 PNP -50V 1.5W -50mA	2N5087	
Q3					
W2B	97-168-62	1	6.5 RED STRIP WIRE 20G	RED	
W1B	97-168-64	1	6.5 YELLOW STRIP WIRE 20G	YEL	
W8B	97-168-66	1	6.5 BLACK STRIP WIRE 20G	BLK	