

1	10/24/01	ADDED TUNER	N00679	REM		
0	3/12/01	CONTROL ISSUE				
A	1/4/01	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 11880 Borman Drive, St. Louis, MO 63146				
Signatures:		Date:				
Drawn: WFB		1/4/01				
Checked:		First Used On:		GFX212Ta		
Released:		Drawing Title:		PWA - GUITAR AMP		
Tolerance:		Drawing Size: A		Drawing No.:		
		Drawing Type: PL		07-279-PL		
		Class Code:				
		Scale: N/A				

ASSEMBLY PART #

07-279-03

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
1	1	PWB1	06A279-02	PWB GFX65c PC BOARD	
2	2	C71	10-332-01	.0033 uF [20per TOL] UL/VDE DISK	
		C72			
3	3	C11	10A102-11	.001 uF 100V 10per X7R	
		C33			
		C50			
4	5	C13	10A103-11	.01 uF 100V 10per X7R	
		C19			
		C37			
		C41			
		C73			
5	3	C5	10A104-01	.1 uF 50V 10per X7R	
		C36			
		C48			
6	1	C56	10A152-11	.0015 uF 100V 10per X7R	
7	2	C10	10A153-01	.015 uF 50V 10per X7R	
		C27			
8	4	C22	10A221-11	220 pF 100V 10per NPO	
		C35			
		C40			
		C43			
9	1	C60	10A222-11	.0022uF 100V 10per NPO	
10	4	C4	10A224-01	.22 uF 50V 10per X7R	
		C9			
		C17			
		C68			
11	1	C2	10A332-01	.0033 uF 100V 10per X7R	
12	1	C30	10A472-11	.0047 uF 100V 10per X7R	
13	7	C8	10A473-11	.047 uF 100V 10per X7R	
		C16			
		C28			
		C31			
		C44			
		C52			
		C74			
14	2	C1	10A474-01	.47 uF 50V 20per X7R	
		C25			
15	2	C29	10A560-21	56 pF 200V 5per NPO	
		C53			
16	1	C18	10A562-01	.0056 uF 100V 10per X7R	
17	1	C3	10A682-01	.0068 uF 100V 10per X7R	
18	7	C63	10R104-03	.1 uF 100V 10per RAD POLY	
		C66			
		C69			
		C76			
		C77			
		C78			
		C79			
19	1	C59	10R473-03	.047 uF 100V 10per RAD POLY	

ASSEMBLY PART #

07-279-03

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
20	2	C67	12-478-53	4700 uF 50V 20per EL	
		C70			
21	6	C20	12R105-50	1 uF 50V 20per EL	
		C21			
		C39			
		C47			
		C65			
		C75			
22	3	C7	12R105-51	1 uF 50V 20per EL NP	
		C23			
		C49			
23	3	C38	12R106-35	10 uF 35V 20per EL	
		C57			
		C62			
24	1	C6	12R106-36	10 uF 35V 20per EL NP	
25	2	C12	12R107-32	100 uF 35V 20per EL	
		C14			
26	1	C64	12R108-12	1000 uF 16V 20per EL	
27	1	C15	12R225-50	2.2 uF 50V 20per EL	
28	5	C24	12R225-51	2.2 uF 50V 20per EL NP	
		C32			
		C34			
		C42			
		C46			
29	2	C45	12R227-02	220 uF 50V 20per EL	
		C51			
30	1	C26	12R476-35	47 uF 35V 20per EL	
31	1	J18	17-105-03	.1 ST POL LOCK MLSS100-3 HEADER	
32	1	J10	17-105-04	.1 ST POL LOCK MLSS100-4 HEADER	
33	2	J12	17-105-06	.1 ST POL LOCK MTSS100-6 HEADER	
		J21			
34	1	J4	17-108-04	.08 VERT 52007-0410 MOLEX HEADER	
35	14	J5	17-836-01	.250 PC TAB STBL LOC 6021-6	
		J8			
		J11			
		J13			
		J15			
		J19			
		J20			
		J22			
		J23			
		J24			
		J25			
		J26			
		J27			
		J28			
36	1	D35	21-206-01	KBPC-602 BRDG RECT 200V PIV 3A AT25C	
37	2	D28	21-553-01	1N5353B 16V ZEN DIODE	
		D29			
38	1	D18	21-572-01	5MM SQR R.A. GRN LED	

ASSEMBLY PART #

07-279-03

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
39	2	D16	21-573-01	5MM SQR R.A. RED LED	
		D38			
40	2	D5	21-752-01	GI752 DIODE (BULK) 6A	
		D12			
41	3	D3	21A146-01	3.3V .4W ZENER 28 ohm Zz	
		D4			
		D25			
42	4	D31	21A402-01	100V PIV 1A .5W	
		D32			
		D33			
		D34			
43	18	D1	21A914-01	75V PIV 10mA/1V .5W	
		D2			
		D6			
		D9			
		D10			
		D13			
		D14			
		D15			
		D17			
		D19			
		D20			
		D21			
		D22			
		D23			
		D24			
		D27			
		D36			
		D37			
44	4	SCRW1	30-440-06	4-40 5/16 PPH TAPTITE	
		SCRW2			
		SCRW3			
		SCRW4			
45	2	SCRW5	30-650-53	6-32 X 1/2 PPH MS	
		SCRW6			
46	2	NUT1	30-700-01	6-32 HEX KEPNUT ASSY	
		NUT2			
47	1	HS2	33-004-01	HEATSINK CLIP	
48	1	HS1	33-241-01	GX-65 HEATSINK BRACKET	
49	4	INS1	35-043-01	NYLON BUSHING NATURAL	
		INS2			
		INS3			
		INS4			
50	4	INS5	35-575-02	BERQUIST K10-104 INS	
		INS6			
		INS7			
		INS8			
51	5	IC1	37-072-01	TLO-72CP DUAL OP-AMP	
		IC2			
		IC3			

ASSEMBLY PART #

07-279-03

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
		IC4			
		IC5			
52	2	J1	39-116-01	T/S JACK HORIZ	INPUT
		J3			EXT. SPKR JACK
53	1	J2	39-117-01	TRS JACK HORIZ	INSERT JACK
54	6	P1	70-103-61	10K LINEAR [10per TOL]	GAIN 1
		P2			GAIN 2
		P3			SHAPE
		P5			HIGH
		P10			
		P11			LEVEL
55	3	P4	70-103-68	10K AUDIO [10per TOL]	LOW
		P6			LEVEL
		P8			LOW
56	1	P7	70-104-63	100K REVERSE AUDIO [10per TOL]	LEVEL
57	1	P9	70-501-62	500 AUDIO [10per TOL]	MID
58	1	AP1	71-501-02	500 OHM TRIMPOT HORIZ.	0
59	1	ICL1	73-501-03	15 OHM 3A MIN. IC	
60	94	JOW1	76-000-05	22 GA TINNED COPPER	
		JOW2			
		JOW4			
		JW1			
		JW2			
		JW3			
		JW4			
		JW5			
		JW6			
		JW8			
		JW9			
		JW10			
		JW11			
		JW12			
		JW13			
		JW14			
		JW15			
		JW17			
		JW18			
		JW19			
		JW20			
		JW21			
		JW22			
		JW23			
		JW24			
		JW25			
		JW26			
		JW27			
		JW28			
		JW29			
		JW30			
		JW31			

ASSEMBLY PART #

07-279-03

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
		JW32			
		JW33			
		JW34			
		JW35			
		JW36			
		JW37			
		JW38			
		JW39			
		JW40			
		JW41			
		JW42			
		JW43			
		JW44			
		JW45			
		JW46			
		JW47			
		JW48			
		JW49			
		JW50			
		JW51			
		JW52			
		JW53			
		JW54			
		JW55			
		JW56			
		JW57			
		JW58			
		JW59			
		JW60			
		JW61			
		JW62			
		JW63			
		JW64			
		JW65			
		JW66			
		JW67			
		JW68			
		JW69			
		JW70			
		JW71			
		JW72			
		JW73			
		JW74			
		JW75			
		JW76			
		JW77			
		JW78			
		JW79			
		JW80			
		JW81			

ASSEMBLY PART #

07-279-03

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
		JW82			
		JW83			
		JW84			
		JW85			
		JW86			
		JW87			
		JW88			
		JW89			
		JW90			
		R82			
		R88			
		R90			
61	2	R20	76-047-01	4.7 OHM .25W 5per RESISTOR	
		R37			
62	1	R101	76-101-01	100 OHM .25W 5per RESISTOR	
63	2	R38	76-102-01	1K OHM .25W 5per RESISTOR	
		R46			
64	7	R10	76-103-01	10K OHM .25W 5per RESISTOR	
		R12			
		R25			
		R30			
		R45			
		R58			
		R76			
65	2	R73	76-104-01	100K OHM .25W 5per RESISTOR	
		R84			
66	6	R8	76-105-01	1M OHM .25W 5per RESISTOR	
		R15			
		R54			
		R68			
		R71			
		R105			
67	6	R1	76-152-01	1.5K OHM .25W 5per RESISTOR	
		R13			
		R18			
		R44			
		R74			
		R108			
68	2	R5	76-153-01	15K OHM .25W 5per RESISTOR	
		R57			
69	1	R42	76-154-01	150K OHM .25W 5per RESISTOR	
70	1	R51	76-220-01	22 OHM .25W 5per RESISTOR	
71	3	R36	76-221-01	220 OHM .25W 5per RESISTOR	
		R61			
		R111			
72	8	R11	76-222-01	2.2K OHM .25W 5per RESISTOR	
		R19			
		R41			
		R50			
		R67			

ASSEMBLY PART #

07-279-03

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
		R86			
		R98			
		R99			
73	9	R2	76-223-01	22K OHM .25W 5per RESISTOR	
		R3			
		R7			
		R26			
		R43			
		R70			
		R72			
		R78			
		R91			
74	1	R56	76-225-01	2.2M OHM .25W 5per RESISTOR	
75	2	R48	76-273-01	27K OHM .25W 5per RESISTOR	
		R65			
76	3	R35	76-331-01	330 OHM .25W 5per RESISTOR	
		R40			
		R100			
77	1	R110	76-332-01	3.3K OHM .25W 5per RESISTOR	
78	3	R55	76-333-01	33K OHM .25W 5per RESISTOR	
		R102			
		R103			
79	2	R66	76-470-01	47 OHM .25W 5per RESISTOR	
		R69			
80	3	R39	76-471-01	470 OHM .25W 5per RESISTOR	
		R60			
		R81			
81	8	R14	76-472-01	4.7K OHM .25W 5per RESISTOR	
		R16			
		R17			
		R22			
		R29			
		R32			
		R47			
		R79			
82	10	R21	76-473-01	47K OHM .25W 5per RESISTOR	
		R28			
		R34			
		R53			
		R59			
		R64			
		R75			
		R77			
		R89			
		R94			
83	2	R9	76-681-01	680 OHM .25W 5per RESISTOR	
		R49			
84	3	R6	76-682-01	6.8K OHM .25W 5per RESISTOR	
		R80			
		R92			



ASSEMBLY PART #

07-279-03

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
85	2	R4	76-684-01	680K OHM .25W 5per RESISTOR	
		R52			
86	3	R62	77-100-01	10 OHM .5W 5per RESISTOR	
		R97			
		R107			
87	1	R24	77-152-01	1.5K OHM .5W 5per RESISTOR	
88	1	R63	77-221-01	220 OHM .5W 5per RESISTOR	
89	1	R31	77-332-01	3.3K OHM .5W 5per RESISTOR	
90	1	R106	77-752-01	7.5K OHM .5W 5per RESISTOR	
91	1	R104	78-001-05	.1 OHM 5W 5per	
92	2	R95	78-271-05	270 OHM 5W 5per W/FEET	
		R96			
93	4	R23	78-470-05	.47 OHM 5W 5per W/FEET	
		R33			
		R83			
		R85			
94	2	S1	88-302-01	MINI PCB DPDT W/1D951 GREY	GAIN SELECT
		S2			CHAN SW.
95	1	S3	88-606-16	16-POS ENCODER HORIZ. MNT. D-SHAFT	MODE
96	1	Q19	96-034-01	MJE340 NPN 300V 20W .5A	0
97	2	Q5	96-142-01	TIP142 NPN 100V 125W 10A DARLINGTON	
		Q11			
98	2	Q15	96-147-01	TIP147 PNP -100V 125W -10A DARLINGTON	
		Q23			
99	1	Q12	96R006-01	MPSA06 NPN 80V 1.5W .5A	
100	2	Q13	96R013-01	MPSA13 NPN 30V 1.5W .5A DARLINGTON	
		Q22			
101	2	Q17	96R055-01	MPSA55 PNP -60V 1.5W -.5A	
		Q27			
102	4	Q4	96R112-01	J112 N-CH -35Vdg -5Vgs(off) 50ohmRdsON	
		Q10			
		Q21			
		Q26			
103	7	Q1	96R175-01	J175 P-CH 30Vds 3Vgs(off) 125ohmRdsON	
		Q2			
		Q3			
		Q7			
		Q16			
		Q24			
		Q25			
104	2	Q6	96R510-01	2N5210 NPN 50V 1.5W 50mA	
		Q8			
105	3	Q14	96R587-01	2N5087 PNP -50V 1.5W -50mA	
		Q18			
		Q20			
106	1	Q9	96R588-01	2N5088 NPN 30V 1.5W 50mA	

ASSEMBLY PART #

07-279-01

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
1	1	PWB2	06A279-02	PWB GFX65c PC BOARD	
2	2	C71	10-332-01	.0033 uF [20per TOL] UL/VDE DISK	
		C72			
3	3	C11	10A102-11	.001 uF 100V 10per X7R	
		C33			
		C50			
4	5	C13	10A103-11	.01 uF 100V 10per X7R	
		C19			
		C37			
		C41			
		C73			
5	3	C5	10A104-01	.1 uF 50V 10per X7R	
		C36			
		C48			
6	1	C56	10A152-11	.0015 uF 100V 10per X7R	
7	2	C10	10A153-01	.015 uF 50V 10per X7R	
		C27			
8	4	C22	10A221-11	220 pF 100V 10per NPO	
		C35			
		C40			
		C43			
9	1	C60	10A222-11	.0022uF 100V 10per NPO	
10	4	C4	10A224-01	.22 uF 50V 10per X7R	
		C9			
		C17			
		C68			
11	1	C2	10A332-01	.0033 uF 100V 10per X7R	
12	1	C30	10A472-11	.0047 uF 100V 10per X7R	
13	7	C8	10A473-11	.047 uF 100V 10per X7R	
		C16			
		C28			
		C31			
		C44			
		C52			
		C74			
14	2	C1	10A474-01	.47 uF 50V 20per X7R	
		C25			
15	2	C29	10A560-21	56 pF 200V 5per NPO	
		C53			
16	1	C18	10A562-01	.0056 uF 100V 10per X7R	
17	1	C3	10A682-01	.0068 uF 100V 10per X7R	
18	7	C63	10R104-03	.1 uF 100V 10per RAD POLY	
		C66			
		C69			
		C76			
		C77			
		C78			
		C79			
19	1	C59	10R473-03	.047 uF 100V 10per RAD POLY	

ASSEMBLY PART #

07-279-01

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
20	2	C67	12-478-53	4700 uF 50V 20per EL	
		C70			
21	6	C20	12R105-50	1 uF 50V 20per EL	
		C21			
		C39			
		C47			
		C65			
		C75			
22	3	C7	12R105-51	1 uF 50V 20per EL NP	
		C23			
		C49			
23	2	C38	12R106-35	10 uF 35V 20per EL	
		C57			
25	1	C62	12R107-32	100uf 35V 20per EL	
24	1	C6	12R106-36	10 uF 35V 20per EL NP	
25	2	C12	12R107-32	100 uF 35V 20per EL	
		C14			
26	1	C64	12R108-12	1000 uF 16V 20per EL	
27	1	C15	12R225-50	2.2 uF 50V 20per EL	
28	5	C24	12R225-51	2.2 uF 50V 20per EL NP	
		C32			
		C34			
		C42			
		C46			
29	2	C45	12R227-02	220 uF 50V 20per EL	
		C51			
30	1	C26	12R476-35	47 uF 35V 20per EL	
31	1	J18	17-105-03	.1 ST POL LOCK MLSS100-3 HEADER	
32	1	J10	17-105-04	.1 ST POL LOCK MLSS100-4 HEADER	
33	2	J12	17-105-06	.1 ST POL LOCK MTSS100-6 HEADER	
		J21			
34	1	J4	17-108-04	.08 VERT 52007-0410 MOLEX HEADER	
35	14	J5	17-836-01	.250 PC TAB STBL LOC 6021-6	
		J8			
		J11			
		J13			
		J15			
		J19			
		J20			
		J22			
		J23			
		J24			
		J25			
		J26			
		J27			
		J28			
36	1	D35	21-206-01	KBPC-602 BRDG RECT 200V PIV 3A AT25C	
37	2	D28	21-553-01	1N5353B 16V ZEN DIODE	
		D29			
38	1	D18	21-572-01	5MM SQR R.A. GRN LED	

ASSEMBLY PART #

07-279-01

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
39	2	D16	21-573-01	5MM SQR R.A. RED LED	
		D38			
40	1	D12	21-752-01	GI752 DIODE (BULK) 6A	
41	3	D3	21A146-01	3.3V .4W ZENER 28 ohm Zz	
		D4			
		D25			
42	4	D31	21A402-01	100V PIV 1A .5W	
		D32			
		D33			
		D34			
43	18	D1	21A914-01	75V PIV 10mA/1V .5W	
		D2			
		D6			
		D9			
		D10			
		D13			
		D14			
		D15			
		D17			
		D19			
		D20			
		D21			
		D22			
		D23			
		D24			
		D27			
		D36			
		D37			
44	2	SCRW2	30-440-06	4-40 5/16 PPH TAPTITE	
		SCRW3			
45	2	SCRW5	30-650-53	6-32 X 1/2 PPH MS	
		SCRW6			
46	2	NUT1	30-700-01	6-32 HEX KEPNUT ASSY	
		NUT2			
47	1	HS2	33-004-01	HEATSINK CLIP	
48	1	HS1	33-241-01	GX-65 HEATSINK BRACKET	
49	2	INS2	35-043-01	NYLON BUSHING NATURAL	
		INS3			
50	2	INS6	35-575-02	BERQUIST K10-104 INS	
		INS7			
51	5	IC1	37-072-01	TLO-72CP DUAL OP-AMP	
		IC2			
		IC3			
		IC4			
		IC5			
52	2	J1	39-116-01	T/S JACK HORIZ	INPUT
		J3			EXT. SPKR JACK
53	1	J2	39-117-01	TRS JACK HORIZ	INSERT JACK
54	6	P1	70-103-61	10K LINEAR [10per TOL]	GAIN 1
		P2			GAIN 2

ASSEMBLY PART #

07-279-01

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
		P3			SHAPE
		P5			HIGH
		P10			
		P11			LEVEL
55	3	P4	70-103-68	10K AUDIO [10per TOL]	LOW
		P6			LEVEL
		P8			LOW
56	1	P7	70-104-63	100K REVERSE AUDIO [10per TOL]	LEVEL
57	1	P9	70-501-62	500 AUDIO [10per TOL]	MID
58	1	AP1	71-501-02	500 OHM TRIMPOT HORZ.	0
59	1	ICL1	73-501-03	15 OHM 3A MIN. IC	
60	95	JOW1	76-000-05	22 GA TINNED COPPER	
		JOW2			
		JOW4			
		JW1			
		JW2			
		JW3			
		JW4			
		JW5			
		JW6			
		JW7, JW8			
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		JW35			
		JW36			
		JW37			
		JW38			

ASSEMBLY PART #

07-279-01

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
		JW39			
		JW40			
		JW41			
		JW42			
		JW43			
		JW44			
		JW45			
		JW46			
		JW47			
		JW48			
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		JW82			
		JW83			
		JW84			
		JW85			
		JW86			
		JW87			
		JW88			

ASSEMBLY PART #

07-279-01

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
		JW89			
		JW90			
		R82			
		R88			
		R90			
61	1	R37	76-047-01	4.7 OHM .25W 5per RESISTOR	
62	1	R101	76-101-01	100 OHM .25W 5per RESISTOR	
63	2	R38	76-102-01	1K OHM .25W 5per RESISTOR	
		R46			
64	7	R10	76-103-01	10K OHM .25W 5per RESISTOR	
		R12			
		R25			
		R30			
		R45			
		R58			
		R76			
65	2	R73	76-104-01	100K OHM .25W 5per RESISTOR	
		R84			
66	6	R8	76-105-01	1M OHM .25W 5per RESISTOR	
		R15			
		R54			
		R68			
		R71			
		R105			
67	6	R1	76-152-01	1.5K OHM .25W 5per RESISTOR	
		R13			
		R18			
		R44			
		R74			
		R108			
68	2	R5	76-153-01	15K OHM .25W 5per RESISTOR	
		R57			
69	1	R42	76-154-01	150K OHM .25W 5per RESISTOR	
70	1	R51	76-220-01	22 OHM .25W 5per RESISTOR	
71	3	R36	76-221-01	220 OHM .25W 5per RESISTOR	
		R61			
		R111			
72	8	R11	76-222-01	2.2K OHM .25W 5per RESISTOR	
		R19			
		R41			
		R50			
		R67			
		R86			
		R98			
		R99			
73	9	R2	76-223-01	22K OHM .25W 5per RESISTOR	
		R3			
		R7			
		R26			
		R43			

ASSEMBLY PART #

07-279-01

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
		R70			
		R72			
		R78			
		R91			
74	1	R56	76-225-01	2.2M OHM .25W 5per RESISTOR	
75	2	R48	76-273-01	27K OHM .25W 5per RESISTOR	
		R65			
76	3	R35	76-331-01	330 OHM .25W 5per RESISTOR	
		R40			
		R100			
77	1	R110	76-332-01	3.3K OHM .25W 5per RESISTOR	
78	3	R55	76-333-01	33K OHM .25W 5per RESISTOR	
		R102			
		R103			
79	2	R66	76-470-01	47 OHM .25W 5per RESISTOR	
		R69			
80	3	R39	76-471-01	470 OHM .25W 5per RESISTOR	
		R60			
		R81			
81	8	R14	76-472-01	4.7K OHM .25W 5per RESISTOR	
		R16			
		R17			
		R22			
		R29			
		R32			
		R47			
		R79			
82	10	R21	76-473-01	47K OHM .25W 5per RESISTOR	
		R28			
		R34			
		R53			
		R59			
		R64			
		R75			
		R77			
		R89			
		R94			
83	2	R9	76-681-01	680 OHM .25W 5per RESISTOR	
		R49			
84	3	R6	76-682-01	6.8K OHM .25W 5per RESISTOR	
		R80			
		R92			
85	2	R4	76-684-01	680K OHM .25W 5per RESISTOR	
		R52			
86	3	R62	77-100-01	10 OHM .5W 5per RESISTOR	
		R97			
		R107			
87	1	R24	77-152-01	1.5K OHM .5W 5per RESISTOR	
88	1	R63	77-221-01	220 OHM .5W 5per RESISTOR	
89	1	R31	77-332-01	3.3K OHM .5W 5per RESISTOR	



ASSEMBLY PART #

07-279-01

REVISION 1

ITEM	QTY	REFDES	P/N	DESC	VALUE
90	1	R106	77-752-01	7.5K OHM .5W 5per RESISTOR	
91	1	R104	78-200-05	.2 OHM 5W 5per W/FEET	
92	2	R95	78-271-05	270 OHM 5W 5per W/FEET	
		R96			
93	2	R33	78-470-05	.47 OHM 5W 5per W/FEET	
		R83			
94	2	S1	88-302-01	MINI PCB DPDT W/1D951 GREY	GAIN SELECT
		S2			CHAN SW.
95	1	S3	88-606-16	16-POS ENCODER HORIZ. MNT. D-SHAFT	MODE
96	1	Q19	96-034-01	MJE340 NPN 300V 20W .5A	0
97	1	Q11	96-142-01	TIP142 NPN 100V 125W 10A DARLINGTON	
98	1	Q15	96-147-01	TIP147 PNP -100V 125W -10A DARLINGTON	
99	1	Q12	96R006-01	MPSA06 NPN 80V 1.5W .5A	
100	2	Q13	96R013-01	MPSA13 NPN 30V 1.5W .5A DARLINGTON	
		Q22			
101	2	Q17	96R055-01	MPSA55 PNP -60V 1.5W -.5A	
		Q27			
102	4	Q4	96R112-01	J112 N-CH -35Vdg -5Vgs(off) 50ohmRdsON	
		Q10			
		Q21			
		Q26			
103	7	Q1	96R175-01	J175 P-CH 30Vds 3Vgs(off) 125ohmRdsON	
		Q2			
		Q3			
		Q7			
		Q16			
		Q24			
		Q25			
104	2	Q6	96R510-01	2N5210 NPN 50V 1.5W 50mA	
		Q8			
105	3	Q14	96R587-01	2N5087 PNP -50V 1.5W -50mA	
		Q18			
		Q20			
106	1	Q9	96R588-01	2N5088 NPN 30V 1.5W 50mA	