

3	1/9/03	ADDED -05 ASSY	N01011	REM		
2	6/28/02	P1-13 P/N CHG'S	N00869	REM		
1	5/14/02	DESIGN CHG	N00845	REM		
0	2/26/02	CONTROL 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.

Signatures:		Date:	SLM Electronics			
Drawn: REM		2/26/02	11880 Borman Drive, St. Louis, MO 63146			
Checked:			First Used On:	GLX120a		
Released:						
Tolerance:	Drawing Size:	A	Drawing Title:	PWA - GUITAR AMPLIFIER		
	Drawing Type:	PL				
	Class Code:		Drawing No.:	07-561-PL		
	Scale:	N/A				

PARTS LIST

ASSEMBLY PART # 07-561-03

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
PWB1	06A561-02	1	GLX120a		
C71	10-332-01	2	.0033 uF [20per TOL] UL/V/DE DISK	0.0033	
C72					
C11	10A102-11	3	.001 uF 100V 10per X7R	0.001	
C33					
C50					
C13	10A103-11	7	.01 uF 100V 10per X7R	0.01	
C36					
C37					
C41					
C55					
C58					
C73					
C5	10A104-01	4	.1 uF 50V 10per X7R	0.1	
C19					
C31					
C48					
C56	10A152-11	1	.0015 uF 100V 10per X7R	0.0015	
C10	10A153-01	2	.015 uF 50V 10per X7R	0.015	
C27					
C22	10A221-11	4	220 pF 100V 10per NPO	220 pF	
C35					
C40					
C43					
C18	10A222-11	2	.0022uF 100V 10per NPO	0.0022	
C60					
C4	10A224-01	3	.22 uF 50V 10per X7R	0.22	
C68					
C76					
C2	10A332-01	2	.0033 uF 50V 10per X7R	0.0033	
C54					
C30	10A472-11	1	.0047 uF 100V 10per X7R	0.0047	
C8	10A473-11	7	.047 uF 100V 10per X7R	0.047	
C9					
C16					
C28					
C44					
C52					
C74					
C1	10A474-01	3	.47 uF 50V 20per X7R	0.47	
C17					
C25					
C29	10A560-21	2	56 pF 200V 5per NPO	56 pF	
C53					
C3	10A682-01	1	.0068 uF 100V 10per X7R	0.0068	
C63	10R104-03	7	.1 uF 100V 10per RAD POLY	0.1	
C66					
C69					
C77					

PARTS LIST

ASSEMBLY PART # 07-561-03

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
C78					
C79					
C80					
C59	10R473-03	1	.047 uF 100V 10per RAD POLY	0.047	
C67	12-478-53	2	4700 uF 50V 20per EL	4700	
C70					
C20	12R105-50	4	1 uF 50V 20per EL	1	
C21					
C39					
C47					
C7	12R105-51	3	1 uF 50V 20per EL NP		
C23					
C49					
C57	12R106-35	2	10 uF 35V 20per EL	10	
C62					
C6	12R106-36	1	10 uF 35V 20per EL NP		
C64	12R108-12	1	1000 uF 16V 20per EL	1000	
C15	12R225-50	1	2.2 uF 50V 20per EL	2.2	
C24	12R225-51	5	2.2 uF 50V 20per EL NP		
C32					
C34					
C42					
C46					
C45	12R227-02	2	220 uF 50V 20per EL	220	
C51					
C12	12R476-35	3	47 uF 35V 20per EL	47	
C14					
C26					
J18	17-105-03	1	.1 ST POL LOCK MLSS100-3 HEADER	TO TUNER	
J10	17-105-05	1	.1 ST POL LOCK MTSS100-5 HEADER	TO DSP BD	
J12	17-106-06	2	.1 R/A POL LOCK MLAS100-06 HEADER		
J21				TO FOOTSWITCH	
J5	17-836-01	14	.250 PC TAB STBL LOC 6021-6	0	
J8					
J11					
J13					
J15					
J19					
J20					
J22					
J23					
J24					
J25					
J26					
J27					
J28					
J31	17-894-01	2	.187 PC TAB STBL LOC 6024-6		
J32					
D35	21-206-01	1	KBPC-602 BRDG RECT 200V PIV 3A AT25C	GBPC602	
D18	21-510-01	1	GREEN LED .45 SPACER	GRN	

PARTS LIST

ASSEMBLY PART # 07-561-03

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
D26	21-510-02	1	RED LED .45 SPACER	RED	
D38	21-510-03	1	YELLOW LED .45 SPACER	YEL	
D43	21-510-06	1	BLUE LED 10.7mm SPACER	BLUE	
D28	21-553-01	2	1N5353B 16V ZEN DIODE	1N5353B	
D29					
D7	21-578-01	11	LED, SUPRFLUX RED	RED	
D8					
D11					
D39					
D40					
D41					
D42					
D44					
D45					
D46					
D47					
D12	21-752-01	1	GI752 DIODE (BULK) 6A	MR-752	
D3	21A146-01	3	3.3V .4W ZENER 28 ohm Zz	1N746ARL	
D4					
D25					
D31	21A402-01	4	100V PIV 1A .5W	1N4002TR	
D32					
D33					
D34					
D30	21A451-01	1	30V 1W ZENER 40 ohm Zz	1N4751ARL	
D15	21A754-01	1	6.8V .5W ZENER 5 ohm Zz	1N754ARL	
D1	21A914-01	19	75V PIV 10mA/1V .5W	1N914	
D2					
D6					
D9					
D10					
D13					
D14					
D16					
D17					
D19					
D20					
D21					
D22					
D23					
D24					
D27					
D36					
D37					
D48					
SCRW2	30-440-06	2	4-40 5/16 PPH TAPTITE	440	
SCRW3					
SCRW5	30-650-53	2	6-32 X 1/2 PPH MS	11841	
SCRW6					
NUT1	30-700-01	2	6-32 HEX KEPNUT ASSY		

PARTS LIST

ASSEMBLY PART # 07-561-03

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
NUT2					
HS2	33-004-01	1	HEATSINK CLIP	0	
HS1	33-241-01	1	GX-65 HEATSINK BRACKET		
INS2	35-043-01	2	NYLON BUSHING NATURAL		
INS3					
INS6	35-575-02	2	BERQUIST K10-104 INS		
INS7					
IC1	37-072-01	5	TLO-72CP DUAL OP-AMP	TLO-72	
IC2					
IC3					
IC4					
IC5					
J3	39-116-01	3	T/S JACK HORIZ	T/S	EXT. SPKR JACK
J6					EFF. RETURN
J7					EFF. SEND
J2	39-119-01	1	T/S JACK HORIZ CHROME NUT		INPUT
P1	70-103-52	5	10K LINEAR [15per TOL]	10K L	RHYTHM GAIN
P2					SOLO GAIN
P5					HIGH
P10					
P11					DSP LEVEL
P3	70-103-53	1	10K REV AUDIO 15per@50per	10K RA	SHAPE
P4	70-103-55	4	10K AUDIO 15per@50per	10K A	LOW
P6					SOLO LEVEL
P8					LOW
P12					RHYTHM LEVEL
P7	70-104-53	1	100K REV AUDIO 15per@50per	100K RA	CLEAN VOL
P9	70-501-56	2	500 AUDIO 15per@50per	500 A	MID
P13					
AP1	71-501-02	1	500 OHM TRIMPOT HORIZ.	500	0
ICL1	73-501-03	1	15 OHM 3A MIN. IC	3A	
JOW1	76-000-05	103	22 GA TINNED COPPER	0	
JOW2					
JW1					
JW2					
JW3					
JW4					
JW5					
JW6					
JW7					
JW8					
JW9					
JW10					
JW11					
JW12					
JW13					
JW14					
JW15					
JW16					
JW17					

PARTS LIST

ASSEMBLY PART # 07-561-03

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW18					
JW19					
JW20					
JW21					
JW22					
JW23					
JW24					
JW25					
JW26					
JW27					
JW28					
JW29					
JW30					
JW31					
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					

PARTS LIST

ASSEMBLY PART # 07-561-03

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW68					
JW69					
JW70					
JW71					
JW72					
JW73					
JW74					
JW75					
JW76					
JW77					
JW78					
JW79					
JW80					
JW81					
JW82					
JW83					
JW84					
JW85					
JW86					
JW87					
JW88					
JW89					
JW90					
JW91					
JW92					
JW93					
JW94					
JW95					
JW96					
JW97					
JW98					
JW99					
JW100					
JW101					
R37	76-047-01	1	4.7 OHM .25W 5per RESISTOR	4.7	
R101	76-101-01	1	100 OHM .25W 5per RESISTOR	100	
R38	76-102-01	2	1K OHM .25W 5per RESISTOR	1K	
R46					
R10	76-103-01	12	10K OHM .25W 5per RESISTOR	10K	
R12					
R30					
R52					
R56					
R58					
R67					
R72					
R76					
R106					
R109					
R113					

PARTS LIST

ASSEMBLY PART # 07-561-03

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
R25	76-104-01	4	100K OHM .25W 5per RESISTOR	100K	
R53					
R73					
R84					
R8	76-105-01	9	1M OHM .25W 5per RESISTOR	1M	
R15					
R27					
R51					
R54					
R68					
R71					
R93					
R105					
R87	76-123-01	1	12K OHM .25W 5per RESISTOR	12K	
R1	76-152-01	6	1.5K OHM .25W 5per RESISTOR	1.5K	
R13					
R18					
R44					
R74					
R108					
R5	76-153-01	2	15K OHM .25W 5per RESISTOR	15K	
R57					
R42	76-154-01	1	150K OHM .25W 5per RESISTOR	150K	
R36	76-221-01	3	220 OHM .25W 5per RESISTOR	220	
R61					
R111					
R11	76-222-01	9	2.2K OHM .25W 5per RESISTOR	2.2K	
R19					
R35					
R41					
R50					
R86					
R90					
R98					
R99					
R2	76-223-01	8	22K OHM .25W 5per RESISTOR	22K	
R3					
R7					
R26					
R43					
R70					
R78					
R91					
R48	76-273-01	2	27K OHM .25W 5per RESISTOR	27K	
R65					
R40	76-331-01	2	330 OHM .25W 5per RESISTOR	330	
R100					
R55	76-333-01	4	33K OHM .25W 5per RESISTOR	33K	
R102					
R103					

PARTS LIST

ASSEMBLY PART # 07-561-03

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
R110					
R66	76-470-01	3	47 OHM .25W 5per RESISTOR	47	
R69					
R82					
R39	76-471-01	3	470 OHM .25W 5per RESISTOR	470	
R60					
R81					
R14	76-472-01	9	4.7K OHM .25W 5per RESISTOR	4.7K	
R16					
R17					
R22					
R29					
R32					
R45					
R47					
R79					
R21	76-473-01	11	47K OHM .25W 5per RESISTOR	47K	
R28					
R34					
R59					
R64					
R75					
R77					
R89					
R94					
R112					
R114					
R9	76-681-01	2	680 OHM .25W 5per RESISTOR	680	
R49					
R6	76-682-01	3	6.8K OHM .25W 5per RESISTOR	6.8K	
R80					
R92					
R4	76-684-01	1	680K OHM .25W 5per RESISTOR	680K	
R62	77-100-01	3	10 OHM .5W 5per RESISTOR	10	
R97					
R107					
R24	77-152-01	1	1.5K OHM .5W 5per RESISTOR	1.5K	
R63	77-221-01	1	220 OHM .5W 5per RESISTOR	220	
R31	77-332-01	1	3.3K OHM .5W 5per RESISTOR	3.3K	
R104	78-200-05	1	.2 OHM 5W 5per W/FEET	0.2	
R88	78-221-02	1	220 OHM 2W 5per MOX OR CF BULK	220	
R95	78-271-05	2	270 OHM 5W 5per W/FEET	270	
R96					
R33	78-470-05	2	.47 OHM 5W 5per W/FEET	0.47	
R83					
SW3	88-302-02	1	MINI PCB DPDT W/1C911 BLACK (RECT)	DPDT DUAL	MUTE
SW4	88-607-16	1	16-POS ENCODER VERT.MNT. D-SHAFT	4-BIT ENCODER	DSP MODE
SW1	88-907-02	2	DPDT PB SW TL22001EE W/1CF BLK BTN	TL22001	CHAN. SELECT
SW2					
Q19	96-034-01	1	MJE340 NPN 300V 20W .5A	MJE-340	0

PARTS LIST

ASSEMBLY PART # 07-561-03

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
Q11	96-142-01	1	TIP142 NPN 100V 125W 10A DARLINGTON	TIP-142	
Q15	96-147-01	1	TIP147 PNP -100V 125W -10A DARLINGTON	TIP-147	
Q12	96R006-01	1	MPSA06 NPN 80V 1.5W .5A	MPS-A06	
Q13	96R013-01	3	MPSA13 NPN 30V 1.5W .5A DARLINGTON	MPS-A13	
Q22					
Q30					
Q17	96R055-01	3	MPSA55 PNP -60V 1.5W -.5A	MPS-A55	
Q27					
Q31					
Q4	96R112-01	4	J112 N-CH -35Vdg -5Vgs(off) 50ohmRdsON	J112	
Q10					
Q21					
Q26					
Q1	96R175-01	9	J175 P-CH 30Vds 3Vgs(off) 125ohmRdsON	J175	
Q2					
Q3					
Q7					
Q16					
Q24					
Q25					
Q28					
Q29					
Q6	96R510-01	2	2N5210 NPN 50V 1.5W 50mA	2N5210	
Q8					
Q14	96R587-01	4	2N5087 PNP -50V 1.5W -50mA	2N5087	
Q18					
Q20					
Q32					
Q9	96R588-01	1	2N5088 NPN 30V 1.5W 50mA	2N5088	
RC3	99-195-04	1	4-PIN 100MM RIBBON CABLE	RIBBON	
RC2	99-195-05	1	5PIN 250MM RIBBON CABLE		
RC4	99-195-15	2	.1 PITCH5 PIN 7 RIBBON CABLE"		
RC5				RIBBON	
RC1	99-196-14	1	4-PIN 15IN RIBBON CABLE 2mm SPACING	RIBBON	

PARTS LIST

ASSEMBLY PART # 07-561-04

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
PWB1	06A561-02	1	GLX120a		
C71	10-332-01	2	.0033 uF [20per TOL] UL/VDE DISK	0.0033	
C72					
C11	10A102-11	3	.001 uF 100V 10per X7R	0.001	
C33					
C50					
C13	10A103-11	7	.01 uF 100V 10per X7R	0.01	
C36					
C37					
C41					
C55					
C58					
C73					
C5	10A104-01	4	.1 uF 50V 10per X7R	0.1	
C19					
C31					
C48					
C56	10A152-11	1	.0015 uF 100V 10per X7R	0.0015	
C10	10A153-01	2	.015 uF 50V 10per X7R	0.015	
C27					
C22	10A221-11	4	220 pF 100V 10per NPO	220 pF	
C35					
C40					
C43					
C18	10A222-11	2	.0022uF 100V 10per NPO	0.0022	
C60					
C4	10A224-01	3	.22 uF 50V 10per X7R	0.22	
C68					
C76					
C2	10A332-01	2	.0033 uF 50V 10per X7R	0.0033	
C54					
C30	10A472-11	1	.0047 uF 100V 10per X7R	0.0047	
C8	10A473-11	7	.047 uF 100V 10per X7R	0.047	
C9					
C16					
C28					
C44					
C52					
C74					
C1	10A474-01	3	.47 uF 50V 20per X7R	0.47	
C17					
C25					
C29	10A560-21	2	56 pF 200V 5per NPO	56 pF	
C53					
C3	10A682-01	1	.0068 uF 100V 10per X7R	0.0068	
C63	10R104-03	7	.1 uF 100V 10per RAD POLY	0.1	
C66					
C69					
C77					

PARTS LIST

ASSEMBLY PART # 07-561-04

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
C78					
C79					
C80					
C59	10R473-03	1	.047 uF 100V 10per RAD POLY	0.047	
C67	12-478-53	2	4700 uF 50V 20per EL	4700	
C70					
C20	12R105-50	4	1 uF 50V 20per EL	1	
C21					
C39					
C47					
C7	12R105-51	3	1 uF 50V 20per EL NP		
C23					
C49					
C57	12R106-35	2	10 uF 35V 20per EL	10	
C62					
C6	12R106-36	1	10 uF 35V 20per EL NP		
C64	12R108-12	1	1000 uF 16V 20per EL	1000	
C15	12R225-50	1	2.2 uF 50V 20per EL	2.2	
C24	12R225-51	5	2.2 uF 50V 20per EL NP		
C32					
C34					
C42					
C46					
C45	12R227-02	2	220 uF 50V 20per EL	220	
C51					
C12	12R476-35	3	47 uF 35V 20per EL	47	
C14					
C26					
J18	17-105-03	1	.1 ST POL LOCK MLSS100-3 HEADER	TO TUNER	
J10	17-105-05	1	.1 ST POL LOCK MTSS100-5 HEADER	TO DSP BD	
J12	17-106-06	2	.1 R/A POL LOCK MLAS100-06 HEADER		
J21				TO FOOTSWITCH	
J5	17-836-01	14	.250 PC TAB STBL LOC 6021-6	0	
J8					
J11					
J13					
J15					
J19					
J20					
J22					
J23					
J24					
J25					
J26					
J27					
J28					
J31	17-894-01	2	.187 PC TAB STBL LOC 6024-6		
J32					
D35	21-206-01	1	KBPC-602 BRDG RECT 200V PIV 3A AT25C	GBPC602	
D18	21-510-01	1	GREEN LED .45 SPACER	GRN	

PARTS LIST

ASSEMBLY PART # 07-561-04

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
D26	21-510-02	1	RED LED .45 SPACER	RED	
D38	21-510-03	1	YELLOW LED .45 SPACER	YEL	
D43	21-510-06	1	BLUE LED 10.7mm SPACER	BLUE	
D28	21-553-01	2	1N5353B 16V ZEN DIODE	1N5353B	
D29					
D7	21-578-01	11	LED, SUPRFLUX RED	RED	
D8					
D11					
D39					
D40					
D41					
D42					
D44					
D45					
D46					
D47					
D5	21-752-01	2	GI752 DIODE (BULK) 6A	MR-752	
D12					
D3	21A146-01	3	3.3V .4W ZENER 28 ohm Zz	1N746ARL	
D4					
D25					
D31	21A402-01	4	100V PIV 1A .5W	1N4002TR	
D32					
D33					
D34					
D30	21A451-01	1	30V 1W ZENER 40 ohm Zz	1N4751ARL	
D15	21A754-01	1	6.8V .5W ZENER 5 ohm Zz	1N754ARL	
D1	21A914-01	19	75V PIV 10mA/1V .5W	1N914	
D2					
D6					
D9					
D10					
D13					
D14					
D16					
D17					
D19					
D20					
D21					
D22					
D23					
D24					
D27					
D36					
D37					
D48					
SCRW1	30-440-06	4	4-40 5/16 PPH TAPTITE	440	
SCRW2					
SCRW3					
SCRW4					

PARTS LIST

ASSEMBLY PART # 07-561-04

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
SCRW5	30-650-53	2	6-32 X 1/2 PPH MS	11841	
SCRW6					
NUT1	30-700-01	2	6-32 HEX KEPNUT ASSY		
NUT2					
HS2	33-004-01	1	HEATSINK CLIP	0	
HS1	33-241-01	1	GX-65 HEATSINK BRACKET		
INS1	35-043-01	4	NYLON BUSHING NATURAL		
INS2					
INS3					
INS4					
INS5	35-575-02	4	BERQUIST K10-104 INS		
INS6					
INS7					
INS8					
IC1	37-072-01	5	TLO-72CP DUAL OP-AMP	TLO-72	
IC2					
IC3					
IC4					
IC5					
J3	39-116-01	3	T/S JACK HORIZ	T/S	EXT. SPKR JACK
J6					EFF. RETURN
J7					EFF. SEND
J2	39-119-01	1	T/S JACK HORIZ CHROME NUT		INPUT
P1	70-103-52	5	10K LINEAR [15per TOL]	10K L	RHYTHM GAIN
P2					SOLO GAIN
P5					HIGH
P10					
P11					DSP LEVEL
P3	70-103-53	1	10K REV AUDIO 15per@50per	10K RA	SHAPE
P4	70-103-55	4	10K AUDIO 15per@50per	10K A	LOW
P6					SOLO LEVEL
P8					LOW
P12					RYTHYM LEVEL
P7	70-104-53	1	100K REV AUDIO 15per@50per	100K RA	CLEAN VOL
P9	70-501-56	2	500 AUDIO 15per@50per	500 A	MID
P13					
AP1	71-501-02	1	500 OHM TRIMPOT HORIZ.	500	0
ICL1	73-501-03	1	15 OHM 3A MIN. IC	3A	
JOW1	76-000-05	103	22 GA TINNED COPPER	0	
JOW2					
JW1					
JW2					
JW3					
JW4					
JW5					
JW6					
JW7					
JW8					
JW9					
JW10					

PARTS LIST

ASSEMBLY PART # 07-561-04

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW11					
JW12					
JW13					
JW14					
JW15					
JW16					
JW17					
JW18					
JW19					
JW20					
JW21					
JW22					
JW23					
JW24					
JW25					
JW26					
JW27					
JW28					
JW29					
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JW49					
JW50					
JW51					
JW52					
JW53					
JW54					
JW55					
JW56					
JW57					
JW58					
JW59					
JW60					

PARTS LIST

ASSEMBLY PART # 07-561-04

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW61					
JW62					
JW63					
JW64					
JW65					
JW66					
JW67					
JW68					
JW69					
JW70					
JW71					
JW72					
JW73					
JW74					
JW75					
JW76					
JW77					
JW78					
JW79					
JW80					
JW81					
JW82					
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JW85					
JW86					
JW87					
JW88					
JW89					
JW90					
JW91					
JW92					
JW93					
JW94					
JW95					
JW96					
JW97					
JW98					
JW99					
JW100					
JW101					
R20	76-047-01	2	4.7 OHM .25W 5per RESISTOR	4.7	
R37					
R101	76-101-01	1	100 OHM .25W 5per RESISTOR	100	
R38	76-102-01	2	1K OHM .25W 5per RESISTOR	1K	
R46					
R10	76-103-01	12	10K OHM .25W 5per RESISTOR	10K	
R12					
R30					
R52					

PARTS LIST

ASSEMBLY PART # 07-561-04

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
R56					
R58					
R67					
R72					
R76					
R106					
R109					
R113					
R25	76-104-01	4	100K OHM .25W 5per RESISTOR	100K	
R53					
R73					
R84					
R8	76-105-01	9	1M OHM .25W 5per RESISTOR	1M	
R15					
R27					
R51					
R54					
R68					
R71					
R93					
R105					
R87	76-123-01	1	12K OHM .25W 5per RESISTOR	12K	
R1	76-152-01	6	1.5K OHM .25W 5per RESISTOR	1.5K	
R13					
R18					
R44					
R74					
R108					
R5	76-153-01	2	15K OHM .25W 5per RESISTOR	15K	
R57					
R42	76-154-01	1	150K OHM .25W 5per RESISTOR	150K	
R36	76-221-01	3	220 OHM .25W 5per RESISTOR	220	
R61					
R111					
R11	76-222-01	9	2.2K OHM .25W 5per RESISTOR	2.2K	
R19					
R35					
R41					
R50					
R86					
R90					
R98					
R2	76-223-01	8	22K OHM .25W 5per RESISTOR	22K	
R3					
R7					
R26					
R43					
R70					
R78					

PARTS LIST

ASSEMBLY PART # 07-561-04

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
R91					
R48	76-273-01	2	27K OHM .25W 5per RESISTOR	27K	
R65					
R40	76-331-01	2	330 OHM .25W 5per RESISTOR	330	
R100					
R55	76-333-01	4	33K OHM .25W 5per RESISTOR	33K	
R102					
R103					
R110					
R66	76-470-01	3	47 OHM .25W 5per RESISTOR	47	
R69					
R82					
R39	76-471-01	3	470 OHM .25W 5per RESISTOR	470	
R60					
R81					
R14	76-472-01	9	4.7K OHM .25W 5per RESISTOR	4.7K	
R16					
R17					
R22					
R29					
R32					
R45					
R47					
R79					
R21	76-473-01	11	47K OHM .25W 5per RESISTOR	47K	
R28					
R34					
R59					
R64					
R75					
R77					
R89					
R94					
R112					
R114					
R9	76-681-01	2	680 OHM .25W 5per RESISTOR	680	
R49					
R6	76-682-01	3	6.8K OHM .25W 5per RESISTOR	6.8K	
R80					
R92					
R4	76-684-01	1	680K OHM .25W 5per RESISTOR	680K	
R62	77-100-01	3	10 OHM .5W 5per RESISTOR	10	
R97					
R107					
R24	77-152-01	1	1.5K OHM .5W 5per RESISTOR	1.5K	
R63	77-221-01	1	220 OHM .5W 5per RESISTOR	220	
R31	77-332-01	1	3.3K OHM .5W 5per RESISTOR	3.3K	
R104	78-001-05	1	.1 OHM 5W 5per	0.1	
R88	78-221-02	1	220 OHM 2W 5per MOX OR CF BULK	220	
R95	78-271-05	2	270 OHM 5W 5per W/FEET	270	

PARTS LIST

ASSEMBLY PART # 07-561-04

REVISION 1

ITEM	P/N	QTY	DESC	VALUE	LABEL
R96					
R23	78-470-05	4	.47 OHM 5W 5per W/FEET	0.47	
R33					
R83					
R85					
SW3	88-302-02	1	MINI PCB DPDT W/1C911 BLACK (RECT)	DPDT DUAL	MUTE
SW4	88-607-16	1	16-POS ENCODER VERT.MNT. D-SHAFT	4-BIT ENCODER	DSP MODE
SW1	88-907-02	2	DPDT PB SW TL22001EE W/1CF BLK BTN	TL22001	CHAN. SELECT
SW2					
Q19	96-034-01	1	MJE340 NPN 300V 20W .5A	MJE-340	0
Q5	96-142-01	2	TIP142 NPN 100V 125W 10A DARLINGTON	TIP-142	
Q11					
Q15	96-147-01	2	TIP147 PNP -100V 125W -10A DARLINGTON	TIP-147	
Q23					
Q12	96R006-01	1	MPSA06 NPN 80V 1.5W .5A	MPS-A06	
Q13	96R013-01	3	MPSA13 NPN 30V 1.5W .5A DARLINGTON	MPS-A13	
Q22					
Q30					
Q17	96R055-01	3	MPSA55 PNP -60V 1.5W -.5A	MPS-A55	
Q27					
Q31					
Q4	96R112-01	4	J112 N-CH -35Vdg -5Vgs(off) 50ohmRdsON	J112	
Q10					
Q21					
Q26					
Q1	96R175-01	9	J175 P-CH 30Vds 3Vgs(off) 125ohmRdsON	J175	
Q2					
Q3					
Q7					
Q16					
Q24					
Q25					
Q28					
Q29					
Q6	96R510-01	2	2N5210 NPN 50V 1.5W 50mA	2N5210	
Q8					
Q14	96R587-01	4	2N5087 PNP -50V 1.5W -50mA	2N5087	
Q18					
Q20					
Q32					
Q9	96R588-01	1	2N5088 NPN 30V 1.5W 50mA	2N5088	
RC3	99-195-04	1	4-PIN 100MM RIBBON CABLE	RIBBON	
RC2	99-195-05	1	5PIN 250MM RIBBON CABLE		
RC4	99-195-15	2	.1 PITCH5 PIN 7 RIBBON CABLE"		
RC5				RIBBON	
RC1	99-196-14	1	4-PIN 15IN RIBBON CABLE 2mm SPACING	RIBBON	

PARTS LIST

ASSEMBLY PART # 07-561-05

REVISION 0

ITEM	P/N	QTY	DESC	VALUE	LABEL
PWB1	06A561-02	1	GLX120a		
C71	10-332-01	2	.0033 uF [20per TOL] UL/VDE DISK	0.0033	
C72					
C11	10A102-11	3	.001 uF 100V 10per X7R	0.001	
C33					
C50					
C13	10A103-11	7	.01 uF 100V 10per X7R	0.01	
C36					
C37					
C41					
C55					
C58					
C73					
C5	10A104-01	4	.1 uF 50V 10per X7R	0.1	
C19					
C31					
C48					
C56	10A152-11	1	.0015 uF 100V 10per X7R	0.0015	
C10	10A153-01	2	.015 uF 50V 10per X7R	0.015	
C27					
C22	10A221-11	4	220 pF 100V 10per NPO	220 pF	
C35					
C40					
C43					
C18	10A222-11	2	.0022uF 100V 10per NPO	0.0022	
C60					
C4	10A224-01	3	.22 uF 50V 10per X7R	0.22	
C68					
C76					
C2	10A332-01	2	.0033 uF 50V 10per X7R	0.0033	
C54					
C30	10A472-11	1	.0047 uF 100V 10per X7R	0.0047	
C8	10A473-11	7	.047 uF 100V 10per X7R	0.047	
C9					
C16					
C28					
C44					
C52					
C74					
C1	10A474-01	3	.47 uF 50V 20per X7R	0.47	
C17					
C25					
C29	10A560-21	2	56 pF 200V 5per NPO	56 pF	
C53					
C3	10A682-01	1	.0068 uF 100V 10per X7R	0.0068	
C63	10R104-03	7	.1 uF 100V 10per RAD POLY	0.1	
C66					
C69					
C77					

PARTS LIST

ASSEMBLY PART # 07-561-05

REVISION 0

ITEM	P/N	QTY	DESC	VALUE	LABEL
C78					
C79					
C80					
C59	10R473-03	1	.047 uF 100V 10per RAD POLY	0.047	
C67	12-478-53	2	4700 uF 50V 20per EL	4700	
C70					
C20	12R105-50	4	1 uF 50V 20per EL	1	
C21					
C39					
C47					
C7	12R105-51	3	1 uF 50V 20per EL NP		
C23					
C49					
C57	12R106-35	2	10 uF 35V 20per EL	10	
C62					
C6	12R106-36	1	10 uF 35V 20per EL NP		
C64	12R108-12	1	1000 uF 16V 20per EL	1000	
C15	12R225-50	1	2.2 uF 50V 20per EL	2.2	
C24	12R225-51	5	2.2 uF 50V 20per EL NP		
C32					
C34					
C42					
C46					
C45	12R227-02	2	220 uF 50V 20per EL	220	
C51					
C12	12R476-35	3	47 uF 35V 20per EL	47	
C14					
C26					
J18	17-105-03	1	.1 ST POL LOCK MLSS100-3 HEADER	TO TUNER	
J10	17-105-05	1	.1 ST POL LOCK MTSS100-5 HEADER	TO DSP BD	
J12	17-106-06	2	.1 R/A POL LOCK MLAS100-06 HEADER		
J21				TO FOOTSWITCH	
J5	17-836-01	14	.250 PC TAB STBL LOC 6021-6	0	
J8					
J11					
J13					
J15					
J19					
J20					
J22					
J23					
J24					
J25					
J26					
J27					
J28					
J31	17-894-01	2	.187 PC TAB STBL LOC 6024-6		
J32					
D35	21-206-01	1	KBPC-602 BRDG RECT 200V PIV 3A AT25C	GBPC602	
D18	21-510-01	1	GREEN LED .45 SPACER	GRN	

PARTS LIST

ASSEMBLY PART # 07-561-05

REVISION 0

ITEM	P/N	QTY	DESC	VALUE	LABEL
D26	21-510-02	1	RED LED .45 SPACER	RED	
D38	21-510-03	1	YELLOW LED .45 SPACER	YEL	
D43	21-510-06	1	BLUE LED 10.7mm SPACER	BLUE	
D28	21-553-01	2	1N5353B 16V ZEN DIODE	1N5353B	
D29					
D7	21-578-01	11	LED, SUPRFLUX RED	RED	
D8					
D11					
D39					
D40					
D41					
D42					
D44					
D45					
D46					
D47					
D5	21-752-01	2	GI752 DIODE (BULK) 6A	MR-752	
D12					
D3	21A146-01	3	3.3V .4W ZENER 28 ohm Zz	1N746ARL	
D4					
D25					
D31	21A402-01	4	100V PIV 1A .5W	1N4002TR	
D32					
D33					
D34					
D30	21A451-01	1	30V 1W ZENER 40 ohm Zz	1N4751ARL	
D15	21A754-01	1	6.8V .5W ZENER 5 ohm Zz	1N754ARL	
D1	21A914-01	19	75V PIV 10mA/1V .5W	1N914	
D2					
D6					
D9					
D10					
D13					
D14					
D16					
D17					
D19					
D20					
D21					
D22					
D23					
D24					
D27					
D36					
D37					
D48					
SCRW1	30-440-06	4	4-40 5/16 PPH TAPTITE	440	
SCRW2					
SCRW3					
SCRW4					

PARTS LIST

ASSEMBLY PART # 07-561-05

REVISION 0

ITEM	P/N	QTY	DESC	VALUE	LABEL
SCRW5	30-650-53	2	6-32 X 1/2 PPH MS	11841	
SCRW6					
NUT1	30-700-01	2	6-32 HEX KEPNUT ASSY		
NUT2					
HS2	33-004-01	1	HEATSINK CLIP	0	
HS1	33-241-01	1	GX-65 HEATSINK BRACKET		
INS1	35-043-01	4	NYLON BUSHING NATURAL		
INS2					
INS3					
INS4					
INS5	35-575-02	4	BERQUIST K10-104 INS		
INS6					
INS7					
INS8					
IC1	37-072-01	5	TLO-72CP DUAL OP-AMP	TLO-72	
IC2					
IC3					
IC4					
IC5					
J3	39-116-01	3	T/S JACK HORIZ	T/S	EXT. SPKR JACK
J6					EFF. RETURN
J7					EFF. SEND
J2	39-119-01	1	T/S JACK HORIZ CHROME NUT		INPUT
P1	70-103-52	5	10K LINEAR [15per TOL]	10K L	RHYTHM GAIN
P2					SOLO GAIN
P5					HIGH
P10					
P11					DSP LEVEL
P3	70-103-53	1	10K REV AUDIO 15per@50per	10K RA	SHAPE
P4	70-103-55	4	10K AUDIO 15per@50per	10K A	LOW
P6					SOLO LEVEL
P8					LOW
P12					RYTHYM LEVEL
P7	70-104-53	1	100K REV AUDIO 15per@50per	100K RA	CLEAN VOL
P9	70-501-56	2	500 AUDIO 15per@50per	500 A	MID
P13					
AP1	71-501-02	1	500 OHM TRIMPOT HORZ.	500	
ICL1	73-501-03	1	15 OHM 3A MIN. IC	3A	
JOW3	76-000-05	102	22 GA TINNED JUMPER WIRE	0	
JW1					
JW2					
JW3					
JW4					
JW5					
JW6					
JW7					
JW8					
JW9					
JW10					

PARTS LIST

ASSEMBLY PART # 07-561-05

REVISION 0

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW11					
JW12					
JW13					
JW14					
JW15					
JW16					
JW17					
JW18					
JW19					
JW20					
JW21					
JW22					
JW23					
JW24					
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JW26					
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JW55					
JW56					
JW57					
JW58					
JW59					
JW60					

PARTS LIST

ASSEMBLY PART # 07-561-05

REVISION 0

ITEM	P/N	QTY	DESC	VALUE	LABEL
JW61					
JW62					
JW63					
JW64					
JW65					
JW66					
JW67					
JW68					
JW69					
JW70					
JW71					
JW72					
JW73					
JW74					
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JW76					
JW77					
JW78					
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JW92					
JW93					
JW94					
JW95					
JW96					
JW97					
JW98					
JW99					
JW100					
JW101					
R20	76-047-01	2	4.7 OHM .25W 5per RESISTOR	4.7	
R37					
R101	76-101-01	1	100 OHM .25W 5per RESISTOR	100	
R38	76-102-01	2	1K OHM .25W 5per RESISTOR	1K	
R46					
R10	76-103-01	12	10K OHM .25W 5per RESISTOR	10K	
R12					
R30					
R52					

PARTS LIST

ASSEMBLY PART # 07-561-05

REVISION 0

ITEM	P/N	QTY	DESC	VALUE	LABEL
R56					
R58					
R67					
R72					
R76					
R106					
R109					
R113					
R25	76-104-01	4	100K OHM .25W 5per RESISTOR	100K	
R53					
R73					
R84					
R8	76-105-01	9	1M OHM .25W 5per RESISTOR	1M	
R15					
R27					
R51					
R54					
R68					
R71					
R93					
R105					
R87	76-123-01	1	12K OHM .25W 5per RESISTOR	12K	
R1	76-152-01	6	1.5K OHM .25W 5per RESISTOR	1.5K	
R13					
R18					
R44					
R74					
R108					
R5	76-153-01	2	15K OHM .25W 5per RESISTOR	15K	
R57					
R42	76-154-01	1	150K OHM .25W 5per RESISTOR	150K	
R36	76-221-01	3	220 OHM .25W 5per RESISTOR	220	
R61					
R111					
R11	76-222-01	9	2.2K OHM .25W 5per RESISTOR	2.2K	
R19					
R35					
R41					
R50					
R86					
R90					
R98					
R2	76-223-01	8	22K OHM .25W 5per RESISTOR	22K	
R3					
R7					
R26					
R43					
R70					
R78					

PARTS LIST

ASSEMBLY PART # 07-561-05

REVISION 0

ITEM	P/N	QTY	DESC	VALUE	LABEL
R91					
R48	76-273-01	2	27K OHM .25W 5per RESISTOR	27K	
R65					
R40	76-331-01	2	330 OHM .25W 5per RESISTOR	330	
R100					
R55	76-333-01	4	33K OHM .25W 5per RESISTOR	33K	
R102					
R103					
R110					
R66	76-470-01	3	47 OHM .25W 5per RESISTOR	47	
R69					
R82					
R39	76-471-01	3	470 OHM .25W 5per RESISTOR	470	
R60					
R81					
R14	76-472-01	9	4.7K OHM .25W 5per RESISTOR	4.7K	
R16					
R17					
R22					
R29					
R32					
R45					
R47					
R79					
R21	76-473-01	11	47K OHM .25W 5per RESISTOR	47K	
R28					
R34					
R59					
R64					
R75					
R77					
R89					
R94					
R112					
R114					
R9	76-681-01	2	680 OHM .25W 5per RESISTOR	680	
R49					
R6	76-682-01	3	6.8K OHM .25W 5per RESISTOR	6.8K	
R80					
R92					
R4	76-684-01	1	680K OHM .25W 5per RESISTOR	680K	
R62	77-100-01	3	10 OHM .5W 5per RESISTOR	10	
R97					
R107					
R24	77-152-01	1	1.5K OHM .5W 5per RESISTOR	1.5K	
R63	77-221-01	1	220 OHM .5W 5per RESISTOR	220	
R31	77-332-01	1	3.3K OHM .5W 5per RESISTOR	3.3K	
R104	78-001-05	1	.1 OHM 5W 5per	0.1	
R88	78-221-02	1	220 OHM 2W 5per MOX OR CF BULK	220	
R95	78-271-05	2	270 OHM 5W 5per W/FEET	270	

PARTS LIST

ASSEMBLY PART # 07-561-05

REVISION 0

ITEM	P/N	QTY	DESC	VALUE	LABEL
R96					
R23	78-470-05	4	.47 OHM 5W 5per W/FEET	0.47	
R33					
R83					
R85					
SW3	88-302-02	1	MINI PCB DPDT W/1C911 BLACK (RECT)	DPDT DUAL	MUTE
SW4	88-607-16	1	16-POS ENCODER VERT.MNT. D-SHAFT	4-BIT ENCODER	DSP MODE
SW1	88-907-02	2	DPDT PB SW TL22001EE W/1CF BLK BTN	TL22001	CHAN. SELECT
SW2					
Q19	96-034-01	1	MJE340 NPN 300V 20W .5A	MJE-340	0
Q5	96-142-01	2	TIP142 NPN 100V 125W 10A DARLINGTON	TIP-142	
Q11					
Q15	96-147-01	2	TIP147 PNP -100V 125W -10A DARLINGTON	TIP-147	
Q23					
Q12	96R006-01	1	MPSA06 NPN 80V 1.5W .5A	MPS-A06	
Q13	96R013-01	3	MPSA13 NPN 30V 1.5W .5A DARLINGTON	MPS-A13	
Q22					
Q30					
Q17	96R055-01	3	MPSA55 PNP -60V 1.5W -.5A	MPS-A55	
Q27					
Q31					
Q4	96R112-01	4	J112 N-CH -35Vdg -5Vgs(off) 50ohmRdsON	J112	
Q10					
Q21					
Q26					
Q1	96R175-01	9	J175 P-CH 30Vds 3Vgs(off) 125ohmRdsON	J175	
Q2					
Q3					
Q7					
Q16					
Q24					
Q25					
Q28					
Q29					
Q6	96R510-01	2	2N5210 NPN 50V 1.5W 50mA	2N5210	
Q8					
Q14	96R587-01	4	2N5087 PNP -50V 1.5W -50mA	2N5087	
Q18					
Q20					
Q32					
Q9	96R588-01	1	2N5088 NPN 30V 1.5W 50mA	2N5088	
RC3	99-195-04	1	4-PIN 100MM RIBBON CABLE	RIBBON	
RC2	99-195-05	1	5PIN 250MM RIBBON CABLE		
RC4	99-195-15	2	.1 PITCH5 PIN 7 RIBBON CABLE"		
RC5				RIBBON	
RC1	99-196-14	1	4-PIN 15IN RIBBON CABLE 2mm SPACING	RIBBON	