


SILK 06A506-01 3/23/2000

FOR SHEET 2 OF 2 SEE ACAD FILE 506xxP??.DWG

0	6-12-00	CONTROL ISSUE				
B	3/23/00	INITIAL ISSUE				
A	10/27/99	PROTO 1				
REV	DATE	DESCRIPTION	ECN/ECR	CHECKED	APPROVED	DATE
SIGNATURES:		DATE:				
DRAWN:	REM	12/22/99	11880 BORMAN DR. ST. LOUIS, MISSOURI 63146			
CHK'D:			PROJECT NAME:			
APP'D:			PA4FXa			
ORIGINAL ISSUED:			DRAWING NAME:			
PLOT DATE:			PWA-BOX_MIXER			
PLOT TIME:			DRAWING NO.	07-506-XX	REV. -	
FILE NAME:			SCALE: NONE	SHEET: 1_OF_2		

DESIGNATOR	PART #	DESCRIPTION
C3	10A101-21	100PF
C4	10A101-21	100PF
C5	10A104-01	0. 1
C6	10A104-01	0. 1
C7	12R106-35	10/35V
C8	10A560-21	56p
C9	10A103-11	0. 01
C10	10A223-01	0. 022
C11	10A104-01	0. 1
C12	10A473-11	0. 047
C13	10A104-01	0. 1
C14	12R106-35	10/35V
C15	10A330-21	33p
C16	12R106-35	10/35V
C17	10A103-11	. 01uF
C18	10A471-11	470pF
C19	10A150-21	15pF
C22	10A101-21	100PF
C23	10A101-21	100PF
C24	NOT USED	
C25	12R106-35	10/35V
C26	12R106-35	10/35V
C27	12R106-35	10/35V
C28	12R106-35	10/35V
C29	12R106-35	10/35V
C30	10A473-11	. 047uF
C31	10A473-11	. 047uF
C32	10A473-11	. 047uF
C33	12R226-50	22uF/ 50V
C34	12R226-50	22uF/ 50V
C103	10A101-21	100PF
C104	10A101-21	100PF
C105	10A104-01	0. 1
C106	10A104-01	0. 1
C107	12R106-35	10/35V
C108	10A560-21	56p
C109	10A103-11	0. 01
C110	10A223-01	0. 022
C111	10A104-01	0. 1
C112	10A473-11	0. 047
C113	10A104-01	0. 1
C133	12R226-50	22uF/ 50V
C134	12R226-50	22uF/ 50V
C203	10A101-21	100PF
C204	10A101-21	100PF
C207	12R106-35	10/35V
C208	10A560-21	56p
C209	10A103-11	0. 01
C210	10A223-01	0. 022
C211	10A104-01	0. 1
C212	10A473-11	0. 047

DESIGNATOR	PART #	DESCRIPTION
C213	10A104-01	0. 1
C233	12R226-50	22uF/ 50V
C234	12R226-50	22uF/ 50V
C303	10A101-21	100PF
C304	10A101-21	100PF
C307	12R106-35	10/35V
C308	10A560-21	56p
C309	10A103-11	0. 01
C310	10A223-01	0. 022
C311	10A104-01	0. 1
C312	10A473-11	0. 047
C313	10A104-01	0. 1
C333	12R226-50	22uF/ 50V
C334	12R226-50	22uF/ 50V
D1	21A914-01	1N914
D2	21A914-01	1N914
D3	21A914-01	1N914
D4	21A914-01	1N914
D5	21-504-01	RED
D6	21A914-01	1N914
D7	21A914-01	1N914
D101	21A914-01	1N914
D102	21A914-01	1N914
D103	21A914-01	1N914
D104	21A914-01	1N914
D201	21A914-01	1N914
D202	21A914-01	1N914
D203	21A914-01	1N914
D204	21A914-01	1N914
D301	21A914-01	1N914
D302	21A914-01	1N914
D303	21A914-01	1N914
D304	21A914-01	1N914
IC1	37-532-01	NE-5532
IC2	37-532-01	NE-5532
IC3	37-532-01	NE-5532
IC4	37-532-01	NE-5532
IC101	37-532-01	NE-5532
IC102	37-532-01	NE-5532
J1	39-322-02	COMBO JACK
J2	39-114-04	INSULATED 1/4" JACK
J3	17-310-05	MPSS156-05 HEADER
J4	17-105-05	. 100 LOCK PDL HDR
J5	17-103-02	. 100 RIGHT ANGLE HDR
J101	39-322-02	COMBO JACK
J201	39-322-02	COMBO JACK
J301	39-322-02	COMBO JACK

DESIGNATOR	PART #	DESCRIPTION
P1	70-503-81	50KL
P2	70-503-81	50KL
P3	70-503-81	50KL
P4	70-503-81	50KL
P5	70-503-81	50KL
P6	70-503-81	50KL
P7	70-503-81	50KL
P8	70-503-81	50KL
P9	70-503-81	50KL
P101	70-503-81	50KL
P102	70-503-81	50KL
P103	70-503-81	50KL
P104	70-503-81	50KL
P201	70-503-81	50KL
P202	70-503-81	50KL
P203	70-503-81	50KL
P204	70-503-81	50KL
P301	70-503-81	50KL
P302	70-503-81	50KL
P303	70-503-81	50KL
P304	70-503-81	50KL
R1	76-103-02	10. 0K @ 1%
R2	76-103-02	10. 0K @ 1%
R3	76-153-02	15. 4K @ 1%
R4	76-153-02	15. 4K @ 1%
R5	76-102-01	1K
R6	76-102-01	1K
R7	76-472-01	4. 7K
R8	76-221-01	220
R9	76-222-01	2. 2K
R10	76-472-01	4. 7K
R11	76-183-01	18K
R13	76-103-01	10k
R14	76-272-01	2. 7K
R15	76-823-01	82K
R16	76-154-01	150K
R17	76-272-01	2. 7K
R18	NOT USED	
R19	76-221-01	220
R21	76-104-01	100K
R23	76-103-01	10K
R24	76-223-01	22K
R25	76-223-01	22K
R26	76-104-01	100K
R27	76-182-01	1. 8K
R28	76-100-01	10
R29	76-100-01	10
R30	76-100-01	10
R31	76-100-01	10
R32	76-153-01	15K
R33	NOT USED	
R35	76-172-02	1. 74K 1%
R36	76-172-02	1. 74K 1%
R101	76-103-02	10. 0K @ 1%
R102	76-103-02	10. 0K @ 1%

DESIGNATOR	PART #	DESCRIPTION
R103	76-153-02	15. 4K @ 1%
R104	76-153-02	15. 4K @ 1%
R105	76-102-01	1K
R106	76-102-01	1K
R107	76-472-01	4. 7K
R108	76-221-01	220
R109	76-222-01	2. 2K
R110	76-472-01	4. 7K
R111	76-183-01	18K
R135	76-172-02	1. 74K 1%
R136	76-172-02	1. 74K 1%
R201	76-103-02	10. 0K @ 1%
R202	76-103-02	10. 0K @ 1%
R203	76-153-02	15. 4K @ 1%
R204	76-153-02	15. 4K @ 1%
R205	76-102-01	1K
R206	76-102-01	1K
R207	76-472-01	4. 7K
R208	76-221-01	220
R209	76-222-01	2. 2K
R210	76-472-01	4. 7K
R211	76-183-01	18K
R235	76-172-02	1. 74K 1%
R236	76-172-02	1. 74K 1%
R301	76-103-02	10. 0K @ 1%
R302	76-103-02	10. 0K @ 1%
R303	76-153-02	15. 4K @ 1%
R304	76-153-02	15. 4K @ 1%
R305	76-102-01	1K
R306	76-102-01	1K
R307	76-472-01	4. 7K
R308	76-221-01	220
R309	76-222-01	2. 2K
R310	76-472-01	4. 7K
R311	76-183-01	18K
R335	76-172-02	1. 74K 1%
R336	76-172-02	1. 74K 1%
S1	88-605-16	ENCODER
JW1-19	76-000-05	JUMPER WIRE
JW21	76-000-05	JUMPER WIRE
85-133-01	15/16" F/F	STANDOFF ( 3 qty )
30-638-53	#6	SCREW ( 3 qty )
06A506-01		PC BOARD

NOTES

- 1) CAUTION: SHOCK HAZARD!!  
THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
- 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
- 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
- 4) CHASSIS GROUND  $\perp$  SIGNAL GROUND  $\nabla$  CIRCUIT GROUND  $\perp$

P/N 07-506-01

CAUTION:  
THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRICAL SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT IN THE OPERATING INSTRUCTIONS.

FOR SHEET 1 OF 2 SEE PCAD5 FILE 506XXB?.PCB

0	6-12-00	SEE SHT 1 FOR REV HISTORY				
REV:	DATE:	DESCRIPTION	ECR/ECN NO:	CHNG'D BY:	APPR'D BY:	DATE:
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.						
SIGNATURES:			DATE:			
DRAWN: REM		10/27/98				
CHK'D:		FIRST USED ON:				
RLS'D:		PA4FXa				
TOLERANCES:		DRAWING SIZE: C		DRAWING TITLE:		
		DRAWING TYPE: ASSY		PWA- BOX MIXER		
		CLASS CODE:		DRAWING NO.:		
SCALE: NONE		SHEET: 2 OF 2		07-506-XX		

11880 Borman Dr.  
St. Louis, Missouri  
63146