


NOTES:
 1. GOOP IN ACCORDANCE WITH PRODUCTION S.O.P.

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

| REV | Date | DESCRIPTION | Ecr(s)/Ecn(s) | Chgd By | Appvd by | Date |
|-----|----------|---------------|---------------|---------|----------|------|
| 0 | 2-28-00 | CONTROL ISSUE | | | | |
| A | 11-30-99 | INITIAL ISSUE | | | | |

THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC.

| | | |
|-----------------------------|------------------------|--|
| Signatures: | Date: |  11800 Borman Drive, St. Louis, MO 63146 |
| Drawn: RLB | 11-12-99 | |
| Checked: | | First Used On: BFX15a |
| Released: | | |
| Plot Date: Mon Feb 28, 2000 | Drawing Size: B | Drawing Title: PWA, GUITAR AMP |
| Plot Time: 14:55:57 | Drawing Type: ASSEMBLY | Drawing Number: 07-261-XX |
| Tolerance: | Class Code: NONE | |
| | Sheet 1 of 1 | |

| | | | | | | |
|---|----------------|----------------------|--|-----------------|----------|------|
| 0 | 2/28/00 | CNTRL ISSUE | | | | |
| A | 1/29/99 | 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 63141 | | | |
| Signatures: | | Date: | | | | |
| Drawn: RLB | | 12/1/99 | | | | |
| Checked: | | | First Used On: | BFX15a | | |
| Released: | | | | | | |
| Tolerance: | Drawing Size: | A | Drawing Title: | PWA, GUITAR AMP | | |
| | Drawing Type: | PL | | | | |
| | Class Code: | | Drawing No.: | 07-261-PL | | |
| | Scale: | N/A | | | | |

ASSEMBLY PART #

07-261-XX

REVISION 0

| ITEM | QTY | REFDES | P/N | DESC |
|------|-----|--------|-----------|---------------------------------|
| 1 | 1 | PWB1 | 06-261-01 | |
| 2 | 2 | C18 | 10A101-21 | 100 pF 200V 10% NPO |
| | | C21 | | |
| 3 | 1 | C15 | 10A102-11 | .001 uF 100V 10% X7R |
| 4 | 1 | C20 | 10A103-11 | .01 uF 100V 10% X7R |
| 5 | 2 | C19 | 10A104-01 | .1 uF 50V 10% X7R |
| | | C23 | | |
| 6 | 1 | C4 | 10A221-11 | 220 pF 100V 10% NPO |
| 7 | 1 | C13 | 10A333-01 | .033 uF 50V 10% X7R |
| 8 | 1 | C14 | 10A472-11 | .0047 uF 100V 10% X7R |
| 9 | 2 | C2 | 10A473-11 | .047 uF 100V 10% X7R |
| | | C17 | | |
| 10 | 2 | C1 | 10A560-21 | 56 pF 200V 5% NPO |
| | | C16 | | |
| 11 | 3 | C5 | 10F224-03 | .22 uF 100V 10% RAD POLY FORMED |
| | | C6 | | |
| | | C25 | | |
| 12 | 2 | C8 | 12-228-26 | 2200 uF 25V 20% EL |
| | | C9 | | |
| 13 | 1 | C10 | 12R105-50 | 1 uF 50V 20% EL |
| 14 | 4 | C7 | 12R106-35 | 10 uF 35V 20% EL |
| | | C11 | | |
| | | C12 | | |
| | | C22 | | |
| 15 | 2 | C3 | 12R225-50 | 2.2 uF 50V 20% EL |
| | | C24 | | |
| 16 | 1 | J6 | 17-309-02 | .156" ST POL MPSS156-2-D HEADER |
| 17 | 1 | J2 | 17-310-03 | .156" ST POL MFSS156-3-D HEADER |
| 18 | 1 | D7 | 21-224-01 | RED LED RIGHT ANGLE |
| 19 | 6 | D3 | 21A402-01 | 100V PIV 1A .5W |
| | | D4 | | |
| | | D5 | | |
| | | D6 | | |
| | | D13 | | |
| | | D14 | | |
| 20 | 7 | D1 | 21A914-01 | 75V PIV 10mA/1V .5W |
| | | D2 | | |
| | | D8 | | |
| | | D9 | | |
| | | D10 | | |
| | | D11 | | |
| | | D12 | | |
| 21 | 1 | SCREW1 | 30-011-01 | RIVSCREW - .130 THK |
| 22 | 1 | HS1 | 33-047-01 | TO-220 PC MNT HEATSINK 30W |
| 23 | 1 | U1 | 37-074-01 | TLO-74 QUAD OP-AMP |
| 24 | 1 | U2 | 37-230-02 | TDA 2030V IC |
| 25 | 1 | J1 | 39-116-01 | T/S JACK HORIZ |
| 26 | 1 | J4 | 39-116-51 | |
| 27 | 1 | J5 | 39-117-01 | TRS JACK HORIZ |

ASSEMBLY PART #

07-261-XX

REVISION 0

| ITEM | QTY | REFDES | P/N | DESC |
|------|-----|--------|-----------|---------------------------|
| 28 | 1 | OC1 | 66-100-01 | VTL-5C7 VACTROL |
| 29 | 1 | P1 | 70-103-91 | 10K LINEAR [10% TOL] |
| 30 | 1 | P6 | 70-503-61 | 50K LINEAR [10% TOL] |
| 31 | 4 | P2 | 70-503-91 | |
| | | P3 | | |
| | | P4 | | |
| | | P5 | | |
| 32 | 19 | JW1 | 76-000-05 | 22 GA TINNED COPPER |
| | | JW2 | | |
| | | JW3 | | |
| | | JW4 | | |
| | | JW5 | | |
| | | JW6 | | |
| | | JW7 | | |
| | | JW8 | | |
| | | JW9 | | |
| | | JW10 | | |
| | | JW11 | | |
| | | JW12 | | |
| | | JW13 | | |
| | | JW14 | | |
| | | JW15 | | |
| | | JW16 | | |
| | | JW17 | | |
| | | JW18 | | |
| | | JW19 | | |
| 33 | 1 | R30 | 76-010-01 | 1 OHM .25W 5% RESISTOR |
| 34 | 5 | R4 | 76-102-01 | 1K OHM .25W 5% RESISTOR |
| | | R5 | | |
| | | R6 | | |
| | | R9 | | |
| | | R25 | | |
| 35 | 2 | R15 | 76-103-01 | 10K OHM .25W 5% RESISTOR |
| | | R22 | | |
| 36 | 1 | R26 | 76-105-01 | 1M OHM .25W 5% RESISTOR |
| 37 | 1 | R10 | 76-153-01 | 15K OHM .25W 5% RESISTOR |
| 38 | 1 | R13 | 76-182-01 | 1.8K OHM .25W 5% RESISTOR |
| 39 | 1 | R14 | 76-222-01 | 2.2K OHM .25W 5% RESISTOR |
| 40 | 2 | R1 | 76-223-01 | 22K OHM .25W 5% RESISTOR |
| | | R29 | | |
| 41 | 3 | R2 | 76-224-01 | 220K OHM .25W 5% RESISTOR |
| | | R16 | | |
| | | R21 | | |
| 42 | 1 | R11 | 76-273-01 | 27K OHM .25W 5% RESISTOR |
| 43 | 2 | R19 | 76-331-01 | 330 OHM .25W 5% RESISTOR |
| | | R24 | | |
| 44 | 1 | R18 | 76-334-01 | 330K OHM .25W 5% RESISTOR |
| 45 | 1 | R32 | 76-470-01 | 47 OHM .25W 5% RESISTOR |
| 46 | 3 | R7 | 76-471-01 | 470 OHM .25W 5% RESISTOR |
| | | R8 | | |

PARTS LIST

ASSEMBLY PART #

07-261-XX

REVISION 0

| ITEM | QTY | REFDES | P/N | DESC |
|------|-----|--------|-----------|---------------------------------------|
| | | R31 | | |
| 47 | 4 | R3 | 76-473-01 | 47K OHM .25W 5% RESISTOR |
| | | R12 | | |
| | | R23 | | |
| | | R27 | | |
| 48 | 1 | R17 | 76-474-01 | 470K OHM .25W 5% RESISTOR |
| 49 | 1 | R28 | 76-681-01 | 680 OHM .25W 5% RESISTOR |
| 50 | 1 | R20 | 77-561-01 | 560 OHM .5W 5% RESISTOR |
| 51 | 1 | Q1 | 96R175-01 | J175 P-CH 30Vds 3Vgs(off) 125ohmRdsON |
| 52 | 1 | J3 | 99-195-18 | 8-PIN 250MM RIBBON CBL |
| 53 | 0 | | 0 | 0 |