

MIC CH.    GUITAR CH.    LEVEL MIC    TONE BOOST    GAIN GUITAR    LOW    MID    HIGH    LEVEL    LINE OUT    HEAD PHONE    POWER LED    GND POWER    GND POWER    GND

|  |                 |                             |  |            |
|--|-----------------|-----------------------------|--|------------|
| 1  | 10/21/98        | CHANGED_R53_FR0M_1K_TO_2.2K | ECO980578  |            |
| REV:   | DATE:           | DESCRIPTION                 | ECO/ECR NO:                                      | SIGNATURE: |
| THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC. |                 |                             |  |            |
| SIGNATURES:  |                 | DATE:                       | 11880 Borman Dr.<br>St. Louis, Missouri<br>63146 |            |
| DRAWN: REM   |                 | 7/20/98                     | ORIGINAL USED ON:<br>TX-30                       |            |
| CHK'D: DJR   |                 | 7/20/98                     |  |            |
| APP'D:   |                 |                             |  |            |
| TOLERANCES:  | DRAWING SIZE: C |                             | ITEM DESCRIPTION:<br>PICTORIAL/GOOP              |            |
|  | DRAWING TYPE:   |                             |  |            |
|  | CLASS CODE:     |                             | DRAWING NO.<br>07P259-01                         |            |
|  | SCALE: 1:1      | SHEET: SHT 1 OF 3           |  |            |

| REF  | DES | PART #     | DESCRIPTION      | REF    | DES | PART #     | DESCRIPTION   |
|------|-----|------------|------------------|--------|-----|------------|---------------|
| C1   |     | 12R105-51  | 1uF 50V          | F1     |     | 23A304-01  | 4A SB FUSE    |
| C2   |     | 12R105-51  | 1uF 50V          | F2     |     | 23A304-01  | 4A SB FUSE    |
| C3   |     | 10A101-21  | 100pF 200V       |        |     |            |               |
| C4   |     | 10A101-21  | 100pF 200V       |        |     |            |               |
| C5   |     | 12R105-51  | 1uF 50V          | IC3    |     | 37-458-01  | RC4558        |
| C6   |     | 10A330-21  | 33pF 200V        | IC4    |     | 37-074-01  | TL074         |
| C7   |     | 12R105-51  | 1uF 50V          | IC5    |     | 37-074-01  | TL074         |
| C8   |     | 10A103-11  | .01uF 100V       | IC6    |     | 37-160-01  | TDA-1560Q     |
| C9   |     | 10A471-11  | 470pF 100V       |        |     |            |               |
| C10  |     | 10A150-21  | 15pF 200V        | J1     |     | 39-117-51  | T/R/S JACK    |
| C11  |     | 10A104-01  | .1uF 50V         | J2     |     | 39-117-51  | T/R/S JACK    |
| C12  |     | 12R106-35  | 10uF 35V         | J3     |     | 39-117-01  | T/R/S JACK    |
| C13  |     | 10A471-11  | 470pF 100V       | J4     |     | 39-117-01  | T/R/S JACK    |
| C14  |     | 12R106-36  | 10uF 35V         | J5     |     | 39-202-01  | DC_POWER JACK |
| C15  |     | 10A104-01  | .1uF 50V         | J6     |     | 51-149-01  | GNDLUG        |
| C16  |     | 10A471-11  | 470pF 100V       | J7     |     | 17-311-02  | 156           |
| *C17 |     | (NOT USED) |                  | J8     |     | 17-311-02  | 156           |
| C18  |     | 10A474-01  | .47uF 50V        | J9     |     | 17-311-02  | 156           |
| C19  |     | 12R106-35  | 10uF 35V         | J10    |     | 17-309-02  | CONN LOCKING  |
| C20  |     | 10A103-11  | .01uF 100V       | J11    |     | 17-309-04  | CONN LOCKING  |
| C21  |     | 10A472-11  | .0047uF 100V     | J12    |     | 51-149-01  | GNDLUG        |
| C22  |     | 10A222-11  | .0022uF 100V     | J13    |     | 51-149-01  | GNDLUG        |
| C23  |     | 12R225-50  | 2.2uF 50V        | J14    |     | 39-202-01  | DC_POWER JACK |
| C24  |     | 12R105-50  | 1uF 50V          |        |     |            |               |
| C25  |     | 12R105-51  | 1uF 50V          | OC1    |     | 66-100-01  | UTL5C7 OPTO   |
| C26  |     | 10A560-21  | 56pF 200V        |        |     |            |               |
| C27  |     | 12R106-36  | 10uF 35V         | JW1-47 |     | 76-000-05  | JUMPER WIRE   |
| C28  |     | 10A221-11  | 220pF 100V       |        |     |            |               |
| C29  |     | 12R106-35  | 10uF 35V         | P1     |     | 70-254-91  | 250KL LINEAR  |
| C30  |     | 10F154-02  | .15uF 100V       | P2     |     | 70-503-91  | 50KL LINEAR   |
| C31  |     | 10F154-02  | .15uF 100V       | P3     |     | 70-503-91  | 50KL LINEAR   |
| C32  |     | 12R106-35  | 10uF 35V         | P4     |     | 70-103-92  | 10KA AUDIO    |
| C33  |     | 12R106-35  | 10uF 35V         | P5     |     | 70-501-92  | 500A AUDIO    |
| C34  |     | 10F224-03  | .22uF 100V       | P6     |     | 70-103-91  | 10KL LINEAR   |
| C35  |     | 12-478-25  | 4700uF 25V       | P7     |     | 70-254-91  | 250KL LINEAR  |
| C36  |     | 10F224-03  | .22uF 100V       |        |     |            |               |
| C37  |     | 12-478-25  | 4700uF 25V       | Q1     |     | 96R175-01  | J175          |
| C38  |     | 10F224-03  | .22uF 100V       | Q2     |     | 96-032-03  | TIP-32C       |
| C39  |     | 12-478-25  | 4700uF 25V       | Q3     |     | 96R056-01  | MPSA56        |
| C40  |     | 10R104-03  | .1uF 100V        | Q4     |     | 96R006-01  | MPSA06        |
| C41  |     | 10F224-03  | .22uF 100V       | Q5     |     | 96R006-01  | MPSA06        |
| C42  |     | 10F224-03  | .22uF 100V       |        |     |            |               |
| C43  |     | 10R104-03  | .1uF 100V        | R1     |     | 76-103-02  | 10K 1/4W      |
| C44  |     | 12R475-82  | 4.7uF 50V        | R2     |     | 76-103-02  | 10K 1/4W      |
| C45  |     | 10R104-03  | .1uF 100V        | R3     |     | 76-103-02  | 10K 1/4W      |
| C46  |     | 12-478-25  | 4700uF 25V       | R4     |     | 76-105-01  | 1M            |
| C47  |     | 12R105-50  | 1uF 50V          | R5     |     | 76-103-02  | 10K 1/4W      |
| C48  |     | 12R106-35  | 10uF 35V         | R6     |     | 76-472-01  | 4.7K          |
| C49  |     | 12R476-35  | 47uF 35V         | R7     |     | 76-222-01  | 2.2K          |
| C50  |     | 10A104-01  | .1uF 50V         | R8     |     | 76-333-01  | 33K           |
| C51  |     | 12R106-36  | 10uF 35V         | R9     |     | 76-153-01  | 15K           |
| C52  |     | 10A104-01  | .1uF 50V         | R10    |     | 76-823-01  | 82K           |
| C53  |     | 10R104-03  | .1uF 100V        | R11    |     | 76-223-01  | 22K           |
| C55  |     | 12R106-35  | 10uF 35V         | R12    |     | 76-223-01  | 22K           |
| C56  |     | 10R104-03  | .1uF 100V        | R13    |     | 76-154-01  | 150K          |
| C57  |     | 10A104-01  | .1uF 50V         | R14    |     | 76-222-01  | 2.2K          |
| C58  |     | 12R106-36  | 10uF 35V         | R15    |     | 76-103-01  | 10K           |
| C59  |     | 10A221-11  | 220pF 100V       | R16    |     | 76-472-01  | 4.7K          |
| C60  |     | 12R106-36  | 10uF 35V         | R17    |     | 76-223-01  | 22K           |
| D1   |     | 21A914-01  | 1N914 100V/0.1A  | R18    |     | 76-103-01  | 10K           |
| D2   |     | 21A914-01  | 1N914 100V/0.1A  | R19    |     | 76-151-01  | 150           |
| D3   |     | 21A914-01  | 1N914 100V/0.1A  | R20    |     | 76-103-01  | 10K           |
| D4   |     | 21A914-01  | 1N914 100V/0.1A  | R21    |     | 76-105-01  | 1M            |
| *D5  |     | (NOT USED) |                  | R22    |     | 76-104-01  | 100K          |
| D6   |     | 21A146-01  | 1N746A 3.3V/0.5W | R23    |     | 76-222-01  | 2.2K          |
| D7   |     | 21A146-01  | 1N746A 3.3V/0.5W | R24    |     | 76-223-01  | 22K           |
| D8   |     | 21A914-01  | 1N914            | *R25   |     | (NOT USED) |               |
| D9   |     | 21A146-01  | 1N746A 3.3V/0.5W | *R26   |     | (NOT USED) |               |
| D10  |     | 21A146-01  | 1N746A 3.3V/0.5W | R27    |     | 76-222-01  | 2.2K          |
| D11  |     | 21A914-01  | 1N914 100V/0.1A  | R29    |     | 76-103-01  | 10K           |
| D12  |     | 21A914-01  | 1N914 100V/0.1A  | R30    |     | 76-103-01  | 10K           |
| D13  |     | 21A914-01  | 1N914 100V/0.1A  | R31    |     | 76-473-01  | 47K           |
| D14  |     | 21A914-01  | 1N914 100V/0.1A  | R32    |     | 76-103-01  | 10K           |
| D15  |     | 21A914-01  | 1N914 100V/0.1A  | R33    |     | 76-223-01  | 22K           |
| D17  |     | 21A440-01  | 1N4740A 10V/1W   | R34    |     | 76-332-01  | 3.3K          |
| D18  |     | 21-224-01  | RED LED          | R35    |     | 76-223-01  | 22K           |
| D19  |     | 21A754-01  | 1N754A 6.8V/0.5W | R36    |     | 76-472-01  | 4.7K          |
| D20  |     | 21-541-01  | 1N5401           | R37    |     | 76-103-01  | 10K           |
| D21  |     | 21A437-01  | 1N4737A 7.5V/1W  | R38    |     | 76-472-01  | 4.7K          |
| D23  |     | 21-592-01  | YELLOW/RED LED   | R39    |     | 76-102-01  | 1K            |
| D24  |     | 21A914-01  | 1N914            | R40    |     | 76-104-01  | 100K          |
| D25  |     | 21A914-01  | 1N914            | R41    |     | 76-104-01  | 100K          |
| D28  |     | 21A914-01  | 1N914 100V/0.1A  | R42    |     | 76-010-01  | 1             |
| D29  |     | 21A914-01  | 1N914 100V/0.1A  | R43    |     | 76-010-01  | 1             |
| D30  |     | 21A914-01  | 1N914            | R44    |     | 76-010-01  | 1             |
| D31  |     | 21A914-01  | 1N914            | R45    |     | 76-010-01  | 1             |
| D32  |     | 21A754-01  | 1N754A 6.8V/0.5W | R46    |     | 76-010-01  | 1             |
| D33  |     | 21-541-01  | 1N5401           | R47    |     | 76-010-01  | 1             |
| D34  |     | 21-541-01  | 1N5401           |        |     |            |               |

| REF | DES | PART #    | DESCRIPTION |
|-----|-----|-----------|-------------|
| R48 |     | 76-471-01 | 470         |
| R49 |     | 76-220-01 | 22          |
| R50 |     | 76-471-01 | 470         |
| R51 |     | 78-152-01 | 1.5K 1W     |
| R52 |     | 76-103-01 | 10K         |
| R53 |     | 76-222-01 | 2.2K        |
| R54 |     | 78-100-05 | 10 5W       |
| R55 |     | 77-102-01 | 1K 1/2W     |
| R56 |     | 76-101-01 | 100         |
| R57 |     | 78-181-10 | 180 10W     |
| R58 |     | 76-102-01 | 1K          |
| R59 |     | 76-102-01 | 1K          |
| R60 |     | 76-105-01 | 1M          |
| R61 |     | 76-473-01 | 47K         |
| R62 |     | 76-473-01 | 47K         |
| R63 |     | 78-030-10 | 3 10W       |
| R64 |     | 76-104-01 | 100K        |
| R65 |     | 76-103-01 | 10K         |
| R66 |     | 76-273-01 | 27K         |
| R67 |     | 76-471-01 | 470         |
| R68 |     | 76-561-01 | 560         |
| R69 |     | 76-561-01 | 560         |
| R70 |     | 76-104-01 | 100K        |
| R71 |     | 76-104-01 | 100K        |
| R72 |     | 76-103-01 | 10K         |
| R73 |     | 76-103-01 | 10K         |
| R74 |     | 76-103-01 | 10K         |
| R75 |     | 76-103-01 | 10K         |
| R76 |     | 76-104-01 | 100K        |
| R77 |     | 76-101-01 | 100         |
| R78 |     | 76-102-01 | 1K          |
| R80 |     | 78-047-05 | 47 5W       |
| R81 |     | 76-104-01 | 100K        |
| S1  |     | 88-302-03 | MINI DPDT   |

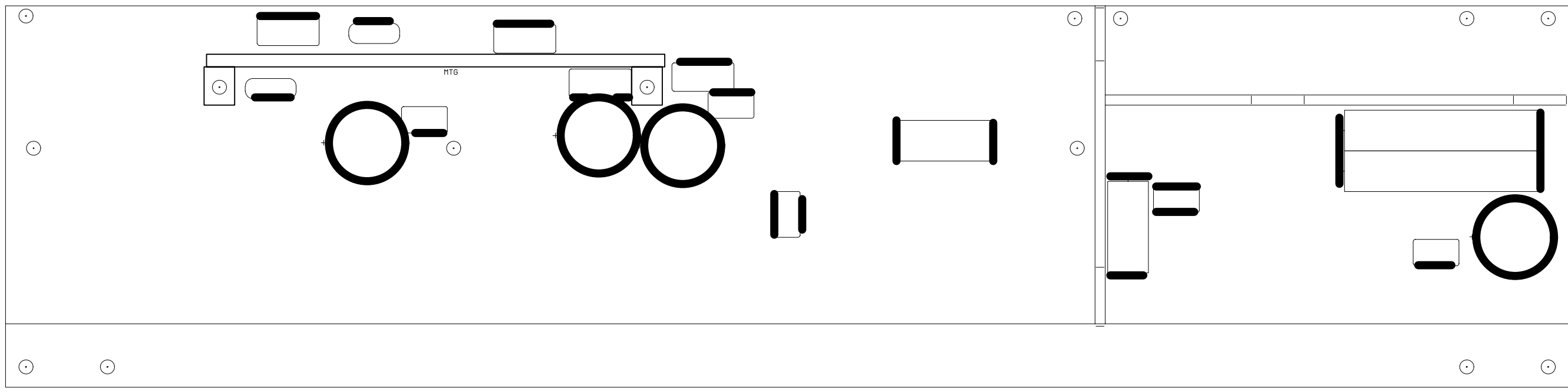
| QUANTITY | PART #    | DESCRIPTION           |
|----------|-----------|-----------------------|
| 1        | 06A259-01 | PC BOARD              |
| 1        | 30-011-01 | RIV SCREW .130" THK   |
| 2        | 30-440-52 | 4-40X3/8"PPH MS SEM   |
| 2        | 30-638-53 | 6-32X3/8"PPH MS SEM   |
| 2        | 30-700-01 | 6-32 HEX KEPSNUT      |
| 1        | 33-047-01 | 10W EXTRUDED HEATSINK |
| 1        | 33-259-01 | TX-30 HEATSINK        |

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) DESIGNATORS NOT USED : IC1, IC2, D16, D22, D26, D27 R64, R79.
- 5) ALL RESISTORS WITH -02 SUFFIX ARE 1%.
- 6) GOOP AS SHOWN PER "SOP". (STANDARD OPERATING PROCEDURE)

NOTE : \* = NOT USED

|  |                              |                              |  |            |
|--|------------------------------|------------------------------|--|------------|
| -  | -                            | SEE SHEET 1 FOR REV HISTORY  | -  | -          |
| REV:   | DATE:                        | DESCRIPTION                  | ECO/ECR NO:                                      | SIGNATURE: |
| THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC. |                              |                              |  |            |
| SIGNATURES:  |                              | DATE:                        | 11880 Borman Dr.<br>St. Louis, Missouri<br>63146 |            |
| DRAWN: REM   |                              | 7/20/98                      |  |            |
| CHK'D: DJR   |                              | 7/20/98                      | ORIGINAL USED ON:                                | TX-30      |
| APP'D:   |                              |                              | TX-30  |            |
| TOLERANCES:  | DRAWING SIZE: C              | ITEM DESCRIPTION: TX-30      |  |            |
|  | DRAWING TYPE: PICTORIAL/GOOP | DRAWING NO. 07P259-01        |  |            |
|  | CLASS CODE:                  | SCALE: 1:1 SHEET: SHT 2 OF 3 |  |            |



|  |                 |                       |  |            |
|--|-----------------|-----------------------|--|------------|
| -  | -               | SEE_1_FOR_REV_HISTORY | -  |            |
| REV:   | DATE:           | DESCRIPTION           | ECO/ECR NO:                                      | SIGNATURE: |
| THIS INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC. |                 |                       |  |            |
| SIGNATURES:  |                 | DATE:                 | 11880 Borman Dr.<br>St. Louis, Missouri<br>63146 |            |
| DRAWN: REM   |                 | 7/20/98               | ORIGINAL USED ON:<br>TX-30                       |            |
| CHK'D: DJR   |                 | 7/20/98               |  |            |
| APP'D:   |                 |                       |  |            |
| TOLERANCES:  | DRAWING SIZE: C |                       | ITEM DESCRIPTION:<br>PICTORIAL/GOOP              |            |
|  | DRAWING TYPE:   |                       | DRAWING NO.<br>07P259-01                         |            |
|  | CLASS CODE:     |                       |  |            |
|  | SCALE: 1:1      | SHEET: SHT 3 OF 3     |  |            |