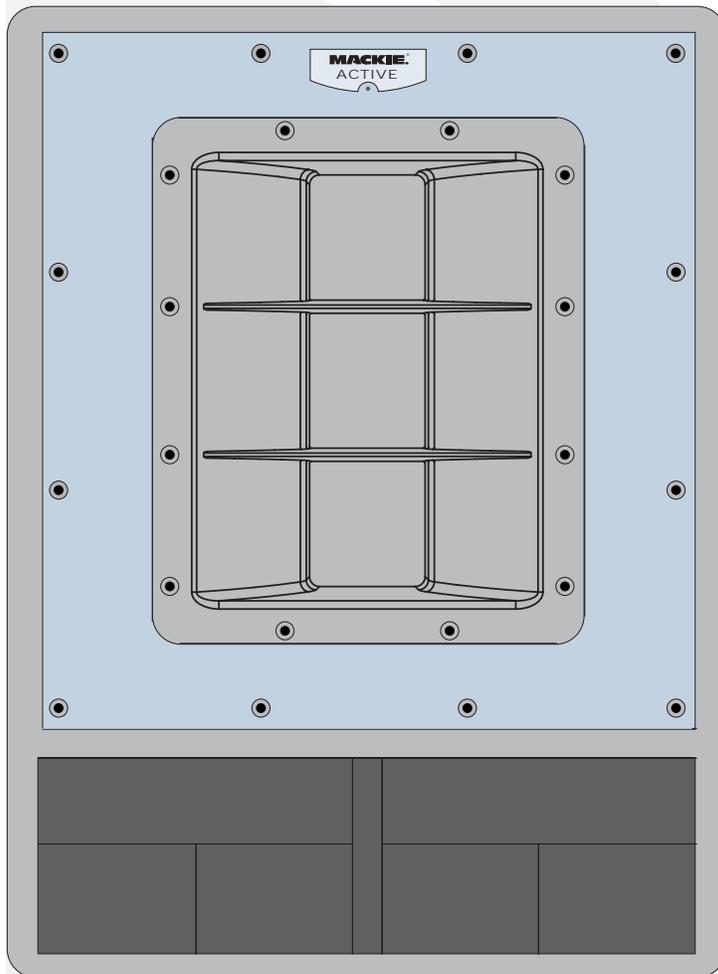




# SWA1501 REPAIR MANUAL





These instructions are intended to help restore any ailing SWA1501 Active Subwoofer back to factory working conditions. They show how to remove and replace the woofer and amp assembly.

Please contact Mackie Tech Support (1-800-898-3211) to receive a Service Request Number and Order Number for parts needed for this restoration. They will also help you determine the nature of the problem and what parts will repair the unit.

## Tools needed:

\*\*\*NOTE: not all tools listed below will be needed for your repair\*\*\*

- Phillips head screwdriver.
- 5mm allen wrench.
- Solid workbench.
- Non-carpeted work area due to static electricity. If available, an ESD mat (Electro-static discharge) is optimal.

## Parts needed:

\*\*\*NOTE: not all parts listed below will be needed for your repair\*\*\*

- |                      |               |           |
|----------------------|---------------|-----------|
| • Led PCB Assembly   | Part #0007334 | pages 3-4 |
| • 15" Woofer         | Part #0015276 | pages 5-6 |
| • Amplifier Assembly | Part #0005686 | pages 7-8 |

## Safety Warnings:

- Make sure that you turn off the unit and disconnect the power cord (and all other cords) before you begin these procedures.
- Always use safety glasses!
- Please try NOT to touch any of the pcb circuitry, capacitors, resistors, etc.
- Take care to read and follow these instructions. It may help to read the instructions prior to the repair to get an idea of what it entails.
- Before beginning the repair, touch metal to discharge any lingering internal static electricity.





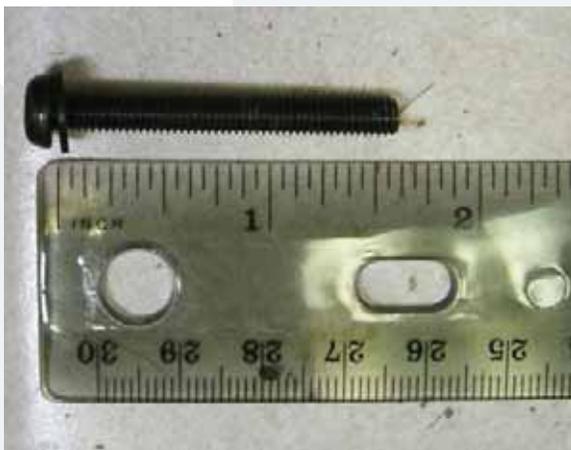
# Led PCB replacement:



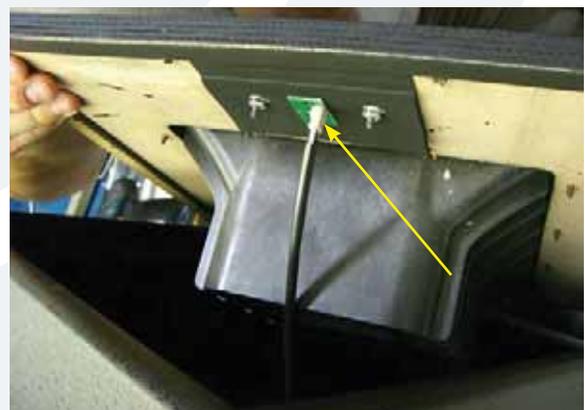
**1** Twelve screws need to be removed from the front panel using the phillips head screwdriver.



**3** Carefully begin to remove the front panel. The wave guide is a great place to grip for stability and support. Do not fully remove front panel as the cable is still attached to the led PCB assembly.



**2** Keep the 12 screws and washers in a safe place.

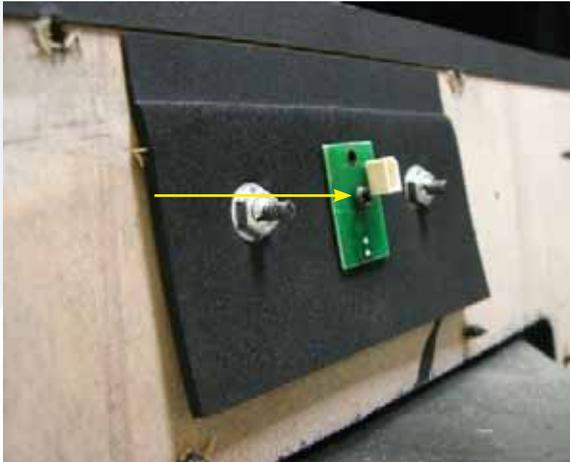


**4** Carefully remove the cable attached to the led PCB assembly.





### Led PCB replacement continued:



**5** Use phillips head screwdriver to remove one screw from center of led PCB assembly.



**6** Carefully remove led PCB assembly from back side of front panel. A flathead screwdriver may aid in removal of led PCB assembly if it is sticking.

**7** The hard part is done, the rest is easy! Place new led PCB assembly (part #0007334) where the old one was. Follow the same steps as above, but backwards 6 to 1. Power up the SWA1501 and led should light up. Congratulations, you just replaced an led PCB assembly...now go play some shows!





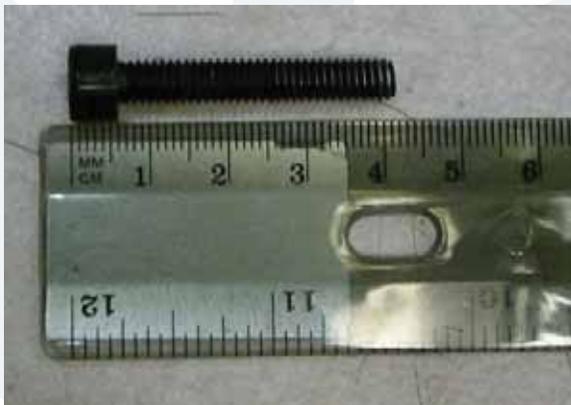
# Woofer replacement:

**1** Follow steps 1-4 of led PCB replacement, as the front panel will need to be removed in order to access the woofer.

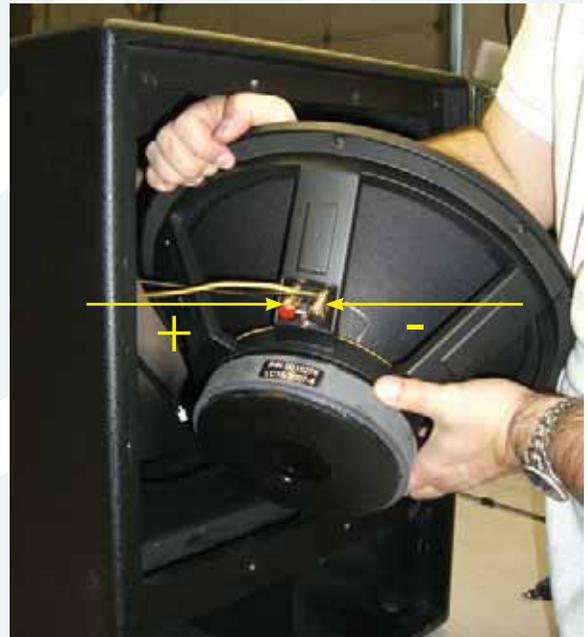


**4** Carefully begin to remove the woofer. **Caution:** woofer is approximately 15 pounds with weight unevenly distributed. 

**2** Eight screws need to be removed from the woofer using the 5mm allen wrench.



**3** Keep the eight screws in a safe place.



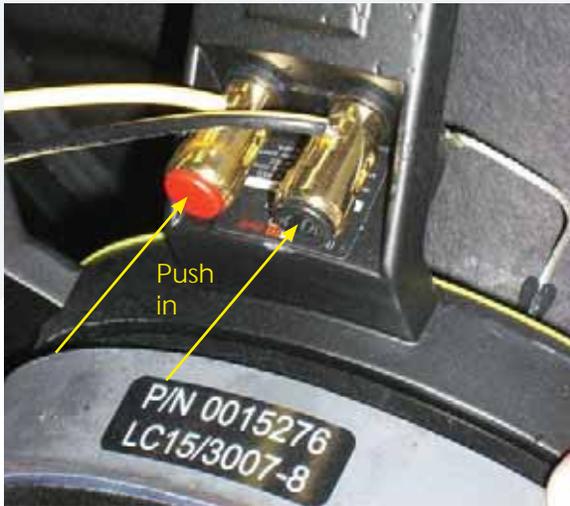
**5** Positive (solid yellow) and negative (yellow and black) cables are still attached to woofer terminals.

The LOUD Technologies Family of Brands





## Woofer replacement continued:

[www.loudtechinc.com](http://www.loudtechinc.com)

- 6** Remove cables from terminals simply by pushing down on the terminal and pulling out the cable.



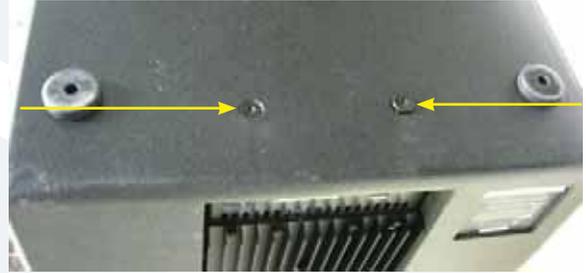
- 7** This is what it looks like with the front panel and the woofer both removed. Place the new woofer (part #0015276) where the old one was. Follow the same steps as above, but backwards 6 to 1, making sure to keep the led PCB assembly cable in front of woofer. Power up the SWA1501 and the new woofer should now be pumping out glorious lows. Awesome, you just replaced a 15" woofer!



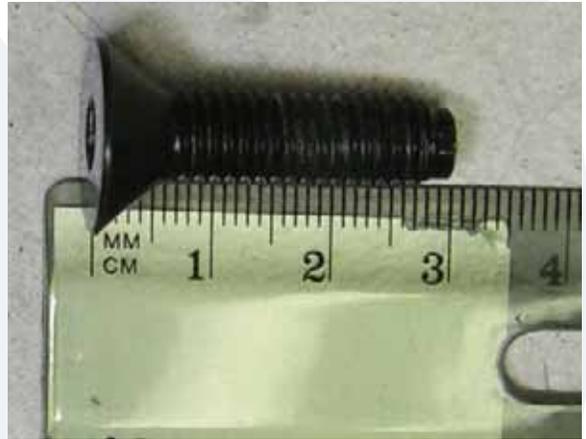
# Amp Assembly replacement:



**1** Four screws need to be removed from the amp assembly using a 5mm allen wrench. The screws are located at the top and bottom of the SWA1501 (see following pictures and further instructions).



**3** The last remaining two screws located on the bottom of the SWA1501.



**4** Keep the four screws in a safe place.



**2** Two screws located on the top of the SWA1501 patiently awaiting removal.





### Amp assembly replacement continued:



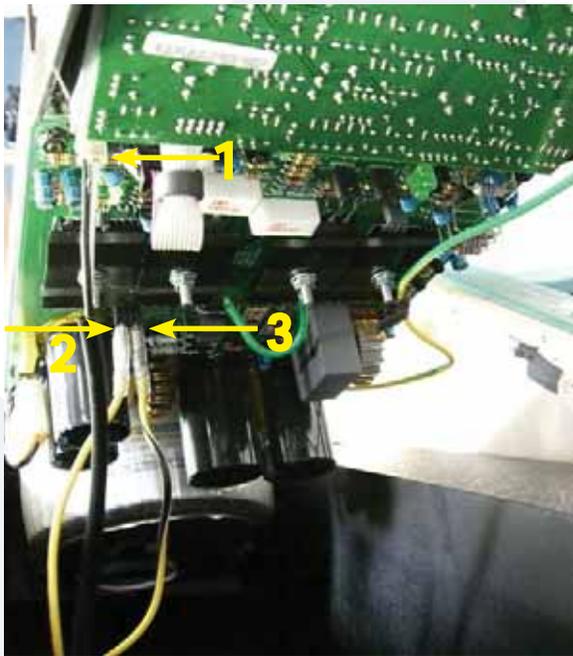
**5** It may be easier to remove the amp assembly if the cabinet is on its side. Do not completely remove amp assembly yet, as cables need to be removed first.



**Caution:** amp assembly is approximately 15 pounds, so please make sure to grasp it firmly.



**7** This is what the cabinet looks like with the amp assembly removed. Place the new amp assembly (part #0005686) where the old one was. Follow the same steps as above, but backwards 6 to 1. Power up the SWA1501 and relish in the fact that you just replaced an amp assembly. Hats off to you for a job well done!



**6** Three cables need to be removed from the amp assembly: (1) led PCB cable, (2) positive (solid yellow) cable, and (3) negative (yellow and black) cable. Notice their placement, as well -- solid yellow cable and black wire of led PCB cable both towards the edge of the amp.

**8 Important:** The faulty amplifier assembly must be returned to LOUD Technologies. The address should be on the return shipping label that was provided with the new amp assembly. If not, the return address is at the top of this page. Also, please write the order number and service request number (ex: 1046256-1203935) in big, black, bold numbers on the outside of the box. This helps expedite the return.



# SWA1501 Active Subwoofer

## PARTS LIST

Part #	Description	Pg
090-387-00	SWA1501 SPEAKER (990003)	2
021022 REV 8	CABINET/FINISHED/BLACK/SWA1501	2
021023 REV 1	BAFFLE ASSEMBLY/FINISHED/BLACK	2
0005686	AMPLIFIER ASSEMBLY (23104180) 115 VAC	3
23020680 REV 4	IEC AC INPUT PCB ASSEMBLY	4
23020690 REV 5	AMPLIFIER BOARD ASSEMBLY	5
23020700 REV 3	INPUT BOARD ASSEMBLY	8

### 090-387-00 SWA1501 SPEAKER (990003)

PART #	REV	DESCRIPTION	QTY	NOTES
021022	8	CABINET/FINISHED/BLACK/	1	SEE BELOW
304005	A	POLY BAG/CLEAR 34 X 24 X 60	1	
0010208		PACKAGING KIT	1	
030068	A	OWNERS MANUAL	1	

### 021022 REV 8 CABINET/FINISHED/BLACK/SWA1501

PART #	REV	DESCRIPTION	QTY	ALT PART #	NOTES
022002	0	CABINET/PAINTED/BLACK	1		
0005686	A	AMPLIFIER ASSEMBLY	1		SEE NEXT PAGE
025255	A	ASSEMBLY/CABLE	1	23104190	
555189	0	GASKET/STRAIN RELIEF/RCF	1		
029014	B	SCREW/M8 X 25 FHMS BLK	4		
0001065	A	POWERCORD/16 AWG/2M/SJT/105 C	1		
152001	A	FOOT/RUBBER[F1686]	4		
102051	A	SCREW/10-24 X 1 PH PHMS 18-8 BLK	12		
024007	0	TOP HAT/POLE MOUNT	1	490-051-00	
030012	A	GASKET/TOP HAT	1		
102050	A	SCREW/10-24 X 1 PH FHMS 18-8 BLK	4		
0006633	A	WOOFER, BOXED M1575W	1		
555164	A	GASKET/15" WOOFER	1		
102024	A	SCREW/1/4-20 X 1-1/4 SHCS 18-8	4		
024009	0	HANDLE BACKER/CUP/HOUSING	2	550-476-00	
024002	0	HANDLE/CAST/MACKIE	2	551-507-00	
024003	0	GRIP/HANDLE/RUBBER	2	760-115-00	
030013	A	GASKET/HANDLE BACKER/CUP/HOUSING	2		
029005	0	SCREW/8-32 X 3/8 PH PHMS	4	700-033-04	
102048	A	SCREW/10 X 3/4 PH PHSMS 18-8	13		
021023	1	BAFFLE ASSEMBLY/FINISHED/BLACK	1		SEE BELOW
102217	0	SCREW/10-24 X 1-3/4 PH PHMS 18-8 BLK	12		
029002	0	WASHER/FLAT/ID .195/SS/BLK	12	710-057-00	
0003115	001	LABEL/CAUTION/SERIAL #	1		

### 021023 REV 1 BAFFLE ASSEMBLY/FINISHED/BLACK

PART #	REV	DESCRIPTION	QTY	ALT. PART #
022003	0	BAFFLE/PAINTED/SWA1501	1	
024004	0	LOGO/MACKIE/LDSKR	1	840-227-00
024005	0	LOGO/ACTIVE/SRS1500	1	840-273-00
029003	0	NUT/PALNUT/7/16 OD/STLZC	2	705-021-01
030016	A	GASKET/MACKIE LOGO	1	
025001	0	PCB ASSY/LED/SRS1500	1	055-313-00
029001	0	SCREW/4 X 1/4 PH PHSMS/TYPE B	1	701-022-00
027009	A	HORN/WAVEGUIDE/SWA1501/	1	33901390
102051	A	SCREW/10-24 X 1 PH PHMS 18-8 BLK	12	

# SWA1501 parts list

6th June 2002



## 0005686 AMPLIFIER ASSEMBLY SWA1501 115 VAC

PART #	REV	DESCRIPTION	QTY	NOTES
23020680	4	IEC AC INPUT ASSEMBLY	1	SEE PAGE A-4
23020690	5	AMPLIFIER ASSEMBLY	1	SEE PAGE A-5
23020700	3	INPUT ASSEMBLY	1	SEE PAGE A-8
23102690	3	CABLE ASSEMBLY, UR	2	
23103870	1	CABLE ASSEMBLY, FLAT	1	
23104140	0	LOWER GROUND CABLE ASSEMBLY	1	
23104290	0	UPPER GROUND CABLE ASSEMBLY	1	
32900090	0	DARK GREY KNOB 35056	1	
32952180	0	GROUND LABEL 36663	3	
33120530	0	HEATSINK 37035	1	
33181100	2	LOWER AMPLIFIER SUPPORT 37065	1	
33181420	1	UPPER AMPLIFIER SUPPORT 37458	1	
33921690	0	CABLE STRAIN RELIEF GROMMET 37217	5	
33921700	0	SPACER 5MM 37051	5	
51150227	0	SCREW V.TC+M3 X12ZNN U7687 50174	3	
51190115	0	ALLEN SCREW V.TCEI M4 X12 ZNN U5931 410	2	
51190125	0	ALLEN SCREW M4 X16 ZNN U5931	14	
51240212	0	SCREW V.TC+ B 2,9X9,5ZNN U6954	12	
51991012	0	SPECIAL SCREW M8X80 36960	1	
52100110	0	WASHER 4,3X 9ZNN U6592 6329 1/2	11	
52100126	0	WASHER 9X24 ZNC U6593	1	
52100142	0	WASHER 3,2X6 ZNN U6592	2	
52201002	0	WASHER 3 DIN 6798-A	2	
52201003	0	WASHER 4 DIN 6798-A	16	
52201005	0	WASHER 8 DIN 6798-A	1	
53101005	0	NUT M 3 U5588-A-6S ZNC	2	
53102012	0	NUT M 4 U5588-A-6S ZNN	6	
53102030	0	NUT M 8 U5588-A-6S 5780 1/2	1	
59999992	0	CABLE TIE T & B M 24	1	
59999994	0	CABLE TIE T & B M 23 50152	2	
81751124	1	C1T51-101A POWER TRANSFORMER	1	
83242020	0	C3S42-020 POWER SWITCH	1	

## 23020680 REV 4 IEC AC INPUT PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
23104170	0	IEC GROUND CABLE ASSEMBLY	1	
33032180	0	PCB MR 36956	1	
33181090	0	PCB SUPPORT BRACKET. 36959	1	
51150227	0	SCREW V.TC+M3 X12ZNN U7687 50174	2	
52100142	0	WASHER 3,2X6 ZNN U6592	2	
52201002	0	WASHER 3 DIN 6798-A	2	
53101005	0	NUT M 3 U5588-A-6S ZNC	2	
54100525	0	RIVET, EYELET TYPE 30-50 SN 50268 1/2	2	
83112022	0	C3P12-001T632-FUSE 6,3AT	1	F1
83142001	0	C3P42-251K104-CAPACITOR FILM 250V20% 0,1U	1	C3
83142058	0	C3P42-271K474-CAPACITOR FILM 250V20% 0,47U	1	C4
83145019	0	C3P45-251K333-CAPACITOR FILM 250V20% 33N	2	C1, C2
83182002	0	C3P82-002 FUSEHOLDER	2	
83432096	0	C3C32-032M006-MALE CONNECTOR 6PIN	2	J1, J2
83444020	1	C3C44-020M001-MALE FASTON	2	
83482010	0	C3C82-010M003-MALE MAINS RECEPTACLE	1	J3 400-132-00

## 23020690 REV 5 AMPLIFIER BOARD ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
23104160	1	GROUND WIRE ASSEMBLY	1	
33032190	0	PCB DR 36963	1	
33120500	1	TRANSISTOR HEATSINK 37090	1	
33221560	0	TRANSISTOR INSULATOR 37089	1	
33910760	1	TRANSISTOR SPACER 37088	2	
33921670	0	TRANSISTOR SPRING 36500	4	
33921700	0	SPACER 5MM 37051	2	
33921710	0	SPACER 7MM 37052	2	
52100110	0	WASHER 4,3X 9ZNN U6592 6329 1/2	4	
53301035	0	FLANGED NUT M 4 DIN 6923 ZNC	4	
81121017	0	C1R21-251J220-RESISTOR 1/4W5% 22	1	R2
81121021	0	C1R21-251J470-RESISTOR 1/4W5% 47	2	R34, R45
81121022	0	C1R21-251J560-RESISTOR 1/4W5% 56	2	R17, R64
81121025	0	C1R21-251J101-RESISTOR 1/4W5% 100	3	R33, R43, R47
81121029	0	C1R21-251J221-RESISTOR 1/4W5% 220	3	R28, R41, R55
81121031	0	C1R21-251J331-RESISTOR 1/4W5% 330	4	R25, R26, R72, R73
81121033	0	C1R21-251J471-RESISTOR 1/4W5% 470	1	R67
81121034	0	C1R21-251J561-RESISTOR 1/4W5% 560	4	R7, R23, R24, R44
81121037	0	C1R21-251J102-RESISTOR 1/4W5% 1K	2	R70, R71
81121039	0	C1R21-251J152-RESISTOR 1/4W5% 1,5K	1	R30
81121041	0	C1R21-251J222-RESISTOR 1/4W5% 2,2K	6	R4, R8, R12, R19, R35, R69
81121045	0	C1R21-251J472-RESISTOR 1/4W5% 4,7K	2	R11, R18
81121048	0	C1R21-251J822-RESISTOR 1/4W5% 8,2K	1	R3
81121049	0	C1R21-251J103-RESISTOR 1/4W5% 10K	12	R5, R20, R36, R37, R50, R51, R56, R60, R61, R65, R74, R75
81121053	0	C1R21-251J223-RESISTOR 1/4W5% 22K	5	R9, R10, R38, R42, R48
81121057	0	C1R21-251J473-RESISTOR 1/4W5% 47K	2	R66, R68
81121061	0	C1R21-251J104-RESISTOR 1/4W5% 100K	6	R6, R21, R40, R49, R52, R53
81121065	0	C1R21-251J224-RESISTOR 1/4W5% 220K	1	R29
81121703	0	C1R21-251F4751RESISTOR 1/4W1% 4,75K	2	R27, R39
81132005	0	C1R32-501G2R2-RESISTOR METAL 1/2W2% 2,2	4	R16, R31, R32, R63
81132077	0	C1R32-501G153-RESISTOR METAL 1/2W2% 15K	1	R46
81136620	0	C1R36-202J6R8-RESISTOR METAL 2W5% 6,8	2	R57, R58
81136632	0	C1R36-202J220-RESISTOR METAL 2W5% 22	1	R62
81136680	0	C1R36-202J222-RESISTOR METAL 2W5% 2,2K	2	R13, R15
81136690	0	C1R36-202J562-RESISTOR METAL 2W5% 5,6K	2	R14, R22
81241129	0	C1F41-502JR33-RES WIRE WOUND 5W5% 0,33	2	R54, R59
81241188	0	C1F41-502J472-RES WIRE WOUND 5W5% 4,7K	1	R1
81410008	0	C1C10-251K105-CAPACITOR FILM 250V10% 1M	1	C22
81410009	0	C1C10-251K155-CAPACITOR FILM 250V10% 1,5M	1	C10
81410018	0	C1C10-101K105-CAPACITOR FILM 100V10% 1M	1	C33
81412049	0	C1C12-251K685-CAPACITOR LYTIC 250V10% 6,8U	1	C11
81413007	0	C1C13-101K103-CAPACITOR FILM 100V10% 10N	2	C21, C31
81413013	0	C1C13-101K104-CAPACITOR FILM 100V10% 100N	3	C4, C13, C27

continued...

....Amplifier pcb continued

PART #	REV	DESCRIPTION	QTY	NOTES
81419001	0	C1C19-251J103-CAPACITOR FILM 250V10% 10N	2	C23, C24
81419005	0	C1C19-251J473-CAPACITOR FILM 250V5% 47N	2	C18, C19
81419007	0	C1C19-251J104-CAPACITOR FILM 250V5% 100N	1	C25
81423003	0	C1C23-102K331-CAP CERAMIC 1000V10% 330P	2	C1, C8
81423004	0	C1C23-102K100-CAP CERAMIC 1000V10% 10P	4	C9, C14, C26, C30
81423006	0	C1C23-102K681-CAP CERAMIC 1000V10% 680P	2	C5, C6
81523049	0	C1E23-250*220-CAPACITOR LYTIC 25V 22U	4	C15, C16, C32, C34
81523053	0	C1E23-250*101-CAPACITOR LYTIC 25V 100U	3	C2, C3, C7
81523057	0	C1E23-250*470-CAPACITOR LYTIC 25V 47U	1	C20
81533021	0	C1E33-500*103-CAPACITOR LYTIC 50V 10000U	2	C28, C29
81533075	0	C1E33-161*272-CAPACITOR LYTIC 160V 2700U	2	C12, C17
81632064	1	C1L32-160A020-INDUCTOR	1	L1
81632065	1	C1L32-551A181-INDUCTOR	1	L2
82112001	1	C2D12-750*151-DIODE 1N4148	2	D38, D39
82112002	0	C2D12-201*251-DIODE BAV21	14	D3, D4, D6, D7, D10, D11, D13, D14, D20, D23, D26, D28, D40, D41
82122015	0	C2D22-101*402-DIODE MUR410	2	D31, D32
82122019	0	C2D22-801*302-DIODE BY399	5	D9, D30, D33, D36, D37
82122020	0	C2D22-151*203-DIODE BYV79	1	D12
82131002	0	C2D31-132J3R3-ZENER 1,3W 3,3V	2	D27, D29
82131050	0	C2D31-501J120-ZENER 0,5W 12V	5	D19, D21, D22, D24, D25
82131052	0	C2D31-501J150-ZENER 0,5W 15V	6	D1, D2, D17, D18, D45, D46
82173002	0	C2D73-300*201-DIODE BAT85	2	D5, D8
82175011	0	C2D75-211*802-DIODE BRIDGE 8A	2	D35, D43
82212001	0	C2T12-101A450-TRANSISTOR BC549C	1	Q9
82212016	1	C2T12-201B500-TRANSISTOR BC557C	1	Q8
82212021	0	C2T12-501B301-TRANSISTOR MPSA42	1	Q2
82212022	0	C2T12-501A301-TRANSISTOR MPSA92	2	Q6, Q10
82212026	0	C2T12-201A400-TRANSISTOR 2N3904	1	Q3
82212027	0	C2T12-201B400-TRANSISTOR 2N3906	2	Q1, Q11
82212028	0	C2T12-101A201-TRANSISTOR 2SC3788	1	Q16
82212029	0	C2T12-101B201-TRANSISTOR 2SA1478	1	Q13
82231028	0	C2T31-153B231-TRANSISTOR 2SC5200	1	Q17
82231029	0	C2T31-153A231-TRANSISTOR 2SA1943	1	Q14
82231030	0	C2T31-802B251-TRANSISTOR MJE15033	1	Q18
82231031	0	C2T31-802A251-TRANSISTOR MJE15032	1	Q5
82242010	0	C2T42-502B101-TRANSISTOR TIP122	1	Q7
82262024	0	C2T62-902A201-MOSFET IRF630	2	Q12, Q15
82262025	0	C2T62-101A250-FET J107	1	Q19
82262026	0	C2T62-183A201-MOSFET IRF640	1	Q4
82312005	0	C2A12-25532 INTEGRATED CIRCUIT NE5532	2	U2, U3
82512001	0	C2F12-001 GREEN LED	2	D15, D16
82512008	0	C2F12-008 GREEN LED	3	D34, D42, D44

continued...

# SWA1501 parts list

6th June 2002



....Amplifier pcb continued

PART #	REV	DESCRIPTION	QTY	NOTES
82531006	0	C2F31-006 OPTOCOUPLER	1	U1
83111074	0	C3P11-002T102-FUSE 1AT	1	F2
83112023	0	C3P12-001T802-FUSE 8AT	1	F1
83121006	0	C3P21-006*102-THERMAL SWITCH	1	SW1
83182002	0	C3P82-002-FUSEHOLDER	2	
83182007	0	C3P82-007 -FUSEHOLDER	2	
83432026	0	C3C32-028M002-CONNECTOR 2PIN	1	J3
83432094	0	C3C32-031M010-CONNECTOR 10PIN	1	J2
83434006	0	C3C34-003M005-MALE FASTON VERTICAL	1	J4
83434007	0	C3C34-003M002-MALE FASTON VERTICAL	1	J1

## 23020700 REV 3 INPUT BOARD ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
33032200	0	INPUT PCB DR 36964	1	
33120510	0	TRANSISTOR HEATSINK 37105	1	
43900990	0	LED SPACER 36190	4	
51150220	0	SCREW V.TC+M3 X10ZNC U7687 50149	2	
52100103	0	WASHER 3,2X6 ZNC U6592 12272	2	
52201002	0	WASHER 3 DIN 6798-A	2	
81121017	0	C1R21-251J220-RESISTOR 1/4W5% 22	1	R49
81121021	0	C1R21-251J470-RESISTOR 1/4W5% 47	1	R9
81121025	0	C1R21-251J101-RESISTOR 1/4W5% 100	5	R3, R43, R55, R69, R71
81121029	0	C1R21-251J221-RESISTOR 1/4W5% 220	6	R18, R40, R65, R66, R76, R86
81121034	0	C1R21-251J561-RESISTOR 1/4W5% 560	4	R33, R36, R50, R84
81121037	0	C1R21-251J102-RESISTOR 1/4W5% 1K	2	R22, R101
81121039	0	C1R21-251J152-RESISTOR 1/4W5% 1,5K	1	R5
81121041	0	C1R21-251J222-RESISTOR 1/4W5% 2,2K	17	R2, R4, R6, R7, R15, R19, R26, R27, R31, R63, R64, R79, R81, R85, R93, R95, R96
81121045	0	C1R21-251J472-RESISTOR 1/4W5% 4,7K	9	R13, R21, R24, R34, R41, R48, R60, R77, R102
81121047	0	C1R21-251J682-RESISTOR 1/4W5% 6,8K	2	R61, R92
81121049	0	C1R21-251J103-RESISTOR 1/4W5% 10K	8	R8, R28, R29, R30, R62, R80, R94, R97
81121051	0	C1R21-251J153-RESISTOR 1/4W5% 15K	2	R78, R91
81121053	0	C1R21-251J223-RESISTOR 1/4W5% 22K	3	R10, R11, R39
81121057	0	C1R21-251J473-RESISTOR 1/4W5% 47K	12	R12, R37, R38, R42, R44, R53, R54, R67, R68, R70, R72, R98
81121061	0	C1R21-251J104-RESISTOR 1/4W5% 100K	6	R1, R16, R17, R20, R23, R35
81121065	0	C1R21-251J224-RESISTOR 1/4W5% 220K	1	R14
81121068	0	C1R21-251J394-RESISTOR 1/4W5% 390K	1	R32
81121638	0	C1R21-251F1001RESISTOR 1/4W1% 1K	4	R45, R46, R74, R76
81121706	0	C1R21-251F5111RESISTOR 1/4W1% 5,11K	1	R73
81121710	0	C1R21-251F5621RESISTOR 1/4W1% 5,62K	4	R56, R59, R87, R90
81121734	0	C1R21-251F1002RESISTOR 1/4W1% 10K	4	R57, R58, R88, R89
81121799	0	C1R21-251F4752RESISTOR 1/4W1% 47,5K	4	R51, R52, R82, R83
81132005	0	C1R32-501G2R2-RESISTOR METAL 1/2W2% 2,2	2	R25, R103
81136025	0	C1R36-162J100-RESISTOR METAL 1,6W5% 10	2	R99, R100
81311075	0	C1P11-064C103-POT 10KC	1	R47
81413007	0	C1C13-101K103-CAP FILM100V10% 10N	1	C21
81413011	0	C1C13-101K473-CAP FILM100V10% 47N	2	C2, C16
81413022	0	C1C13-630K474-CAP FILM63V10% 470N	1	C12
81413030	0	C1C13-500K105-CAP FILM50V10% 1U	6	C14, C17, C18, C22, C36, C37
81413262	0	C1C13-630J104-CAP FILM63V5% 100N	11	C3, C8, C13, C15, C23, C29, C30, C31, C41, C47, C48
81421007	0	C1C21-500K100-CAP CER.50V10% 10P	4	C34, C38, C42, C49
81421019	0	C1C21-500K101-CAP CER.50V10% 100P	1	C43
81426002	0	C1C26-500K330-CAP CER.50V10% 33P	7	C7, C26, C27, C28, C44, C45, C46
81426055	0	C1C26-500J681-CAP CER.50V5% 680P	4	C24, C25, C39, C40

continued...

# SWA1501 parts list

6th June 2002



....input pcb continued

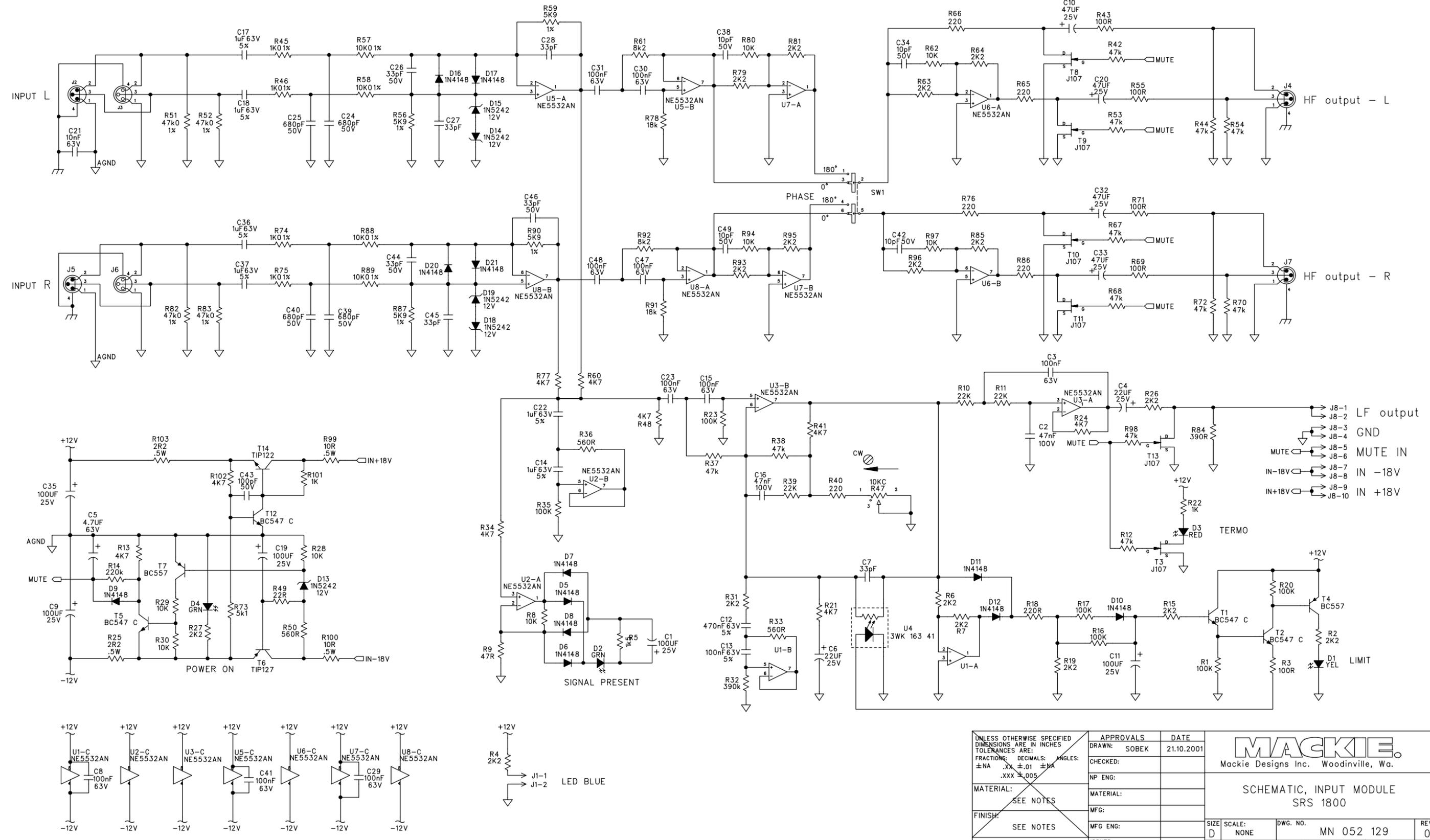
PART #	REV	DESCRIPTION	QTY	NOTES
81523045	0	C1E23-250*4R7-CAP LYTIC. 25V 4,7U	1	C5
81523049	0	C1E23-250*220-CAP LYTIC 25V 22U	2	C4, C6
81523053	0	C1E23-250*101-CAP LYTIC 25V 100U	5	C1, C9, C11, C19, C35
81523057	0	C1E23-250*470-CAP LYTIC 25V 47U	4	C10, C20, C32, C33
82112001	1	C2D12-750*151-DIODE 1N4148	12	D5, D6, D7, D8, D9, D10, D11, D12, D16, D17, D20, D21
82131050	0	C2D31-501J120-ZENER 0,5W 12V	4	D14, D15, D18, D19
82131052	0	C2D31-501J150-ZENER 0,5W 15V	1	D13
82212001	0	C2T12-101A450-TRANSISTOR BC549C	4	T1, T2, T5, T12
82212016	1	C2T12-201B500-TRANSISTOR BC557C	2	T4, T7
82242009	0	C2T42-502A101-TRANSISTOR TIP127	1	T6
82242010	0	C2T42-502B101-TRANSISTOR TIP122	1	T14
82262002	1	C2T62-020A350-TRANSISTOR J113	6	T3, T8, T9, T10, T11, T13
82312005	0	C2A12-25532 INTEGRATED CIRCUIT NE5532	7	U1, U2, U3, U5, U6, U7, U8
82511006	0	C2F11-006- RED LED	1	D3
82512008	0	C2F12-008 GREEN LED	2	D2, D4
82513004	1	C2F13-004 YELLOW LED	1	D1
82561003	0	C2F61-003 OPTOCOUPLER	1	U4
83252004	0	C3S52-0030202-COMMUTATORE A SLITTA	1	SW1
83414025	0	C3C14-020F003-FEMALE XLR CONNECTOR	2	J3, J6
83414026	0	C3C14-020M003-MALE XLR CONNECTOR	4	J2, J4, J5, J7
83432026	0	C3C32-028M002-CONNECTOR 2PIN	1	J1
83432097	0	C3C32-033M010-CONNECTOR 10PIN	1	J8
83811002	1	C3A11-002 INSULTAING STRIP	2	
83812001	0	C3A12-001 INSULATING WASHER	2	

D

C

B

A



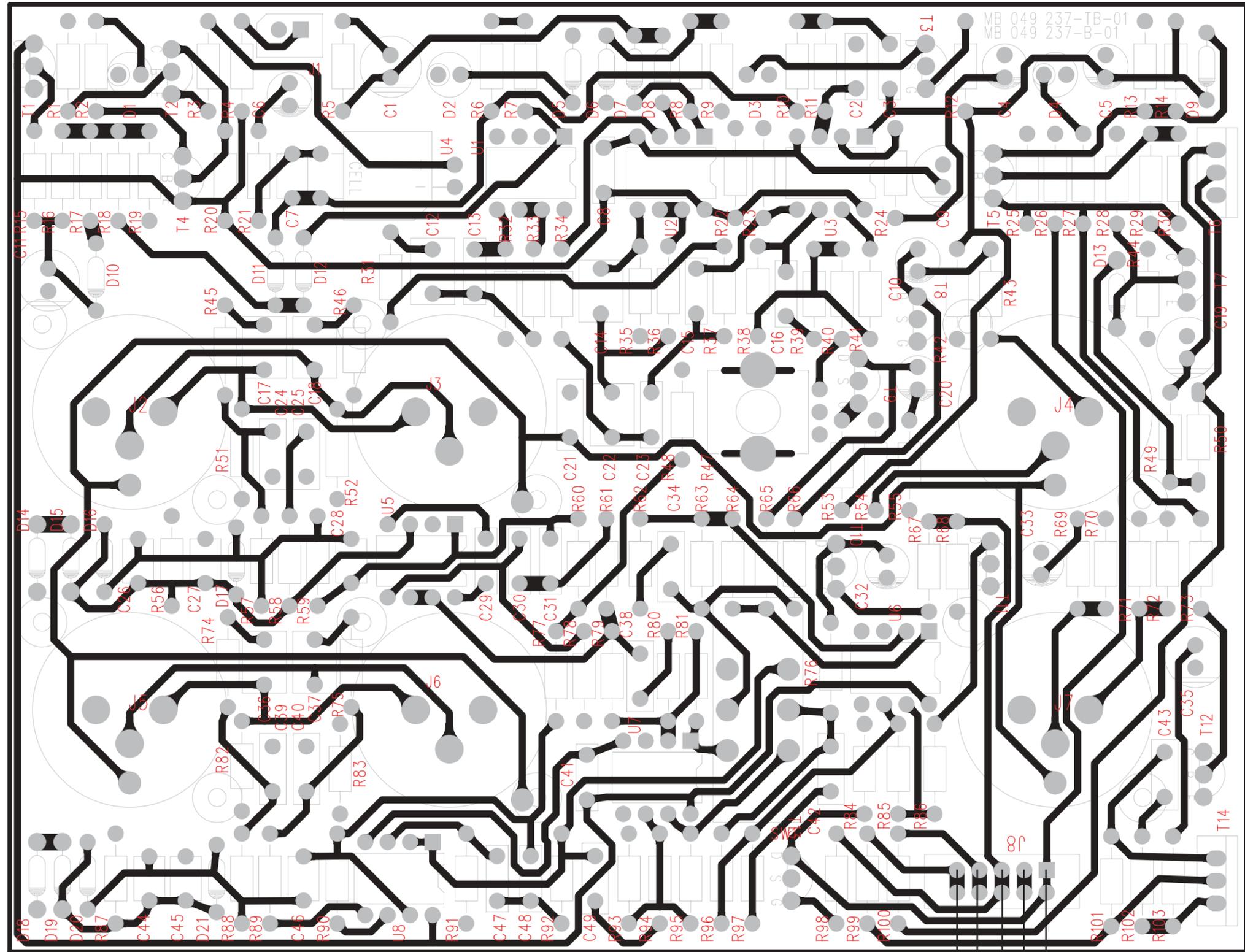
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: DECIMALS: ANGLES: ±NA .XX ±.01 ±NA .XXX ±.005	APPROVALS DRAWN: SOBEK CHECKED: NP ENG:	DATE 21.10.2001
MATERIAL: SEE NOTES	MATERIAL: MFG:	
FINISH: SEE NOTES	MFG ENG:	
DO NOT SCALE DRAWING	ISSUED:	

**MACKIE**  
Mackie Designs Inc. Woodinville, Wa.

SCHMATIC, INPUT MODULE  
SRS 1800

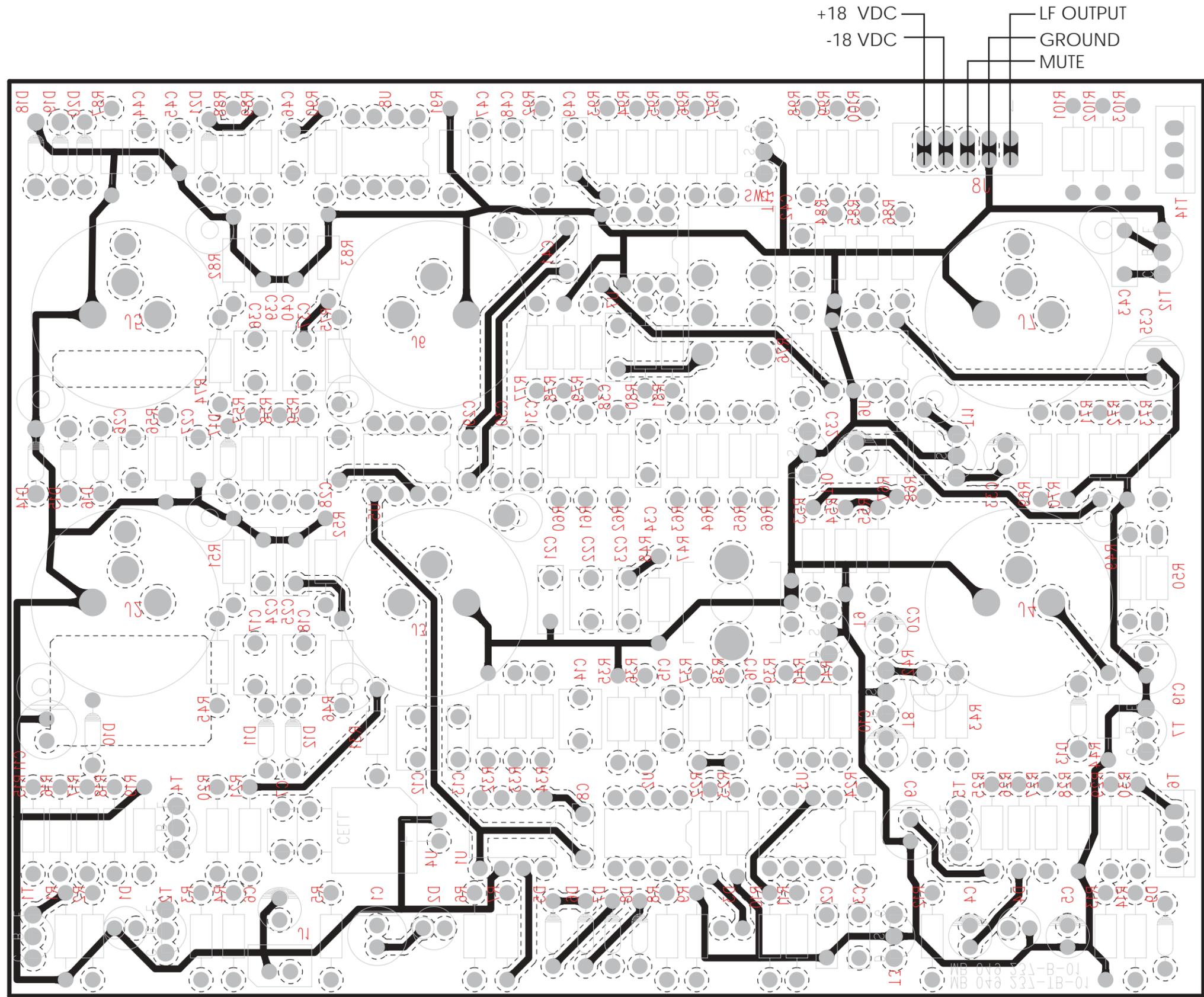
SIZE D	SCALE NONE	DWG. NO. MN 052 129	REV. 01
DWG FILE: MN 052 129-01 label 03.sch		SHEET 1 OF 1	





Top View (Dotted line is copper pour layer)

- +18 VDC
- 18 VDC
- LF OUTPUT
- GROUND
- MUTE



Bottom View (Dotted line is copper pour layer)