

**ACOUSTIC CHANNEL BOARD**

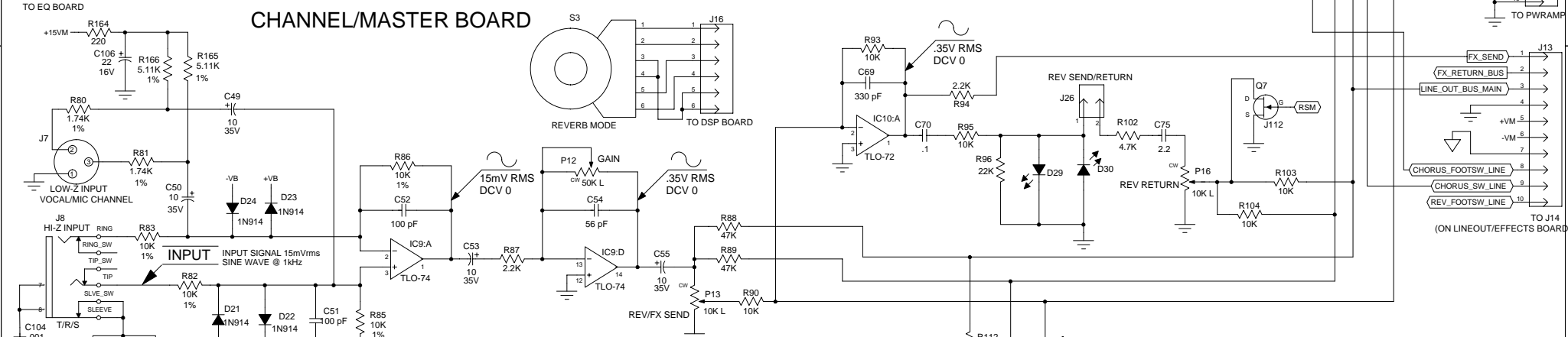
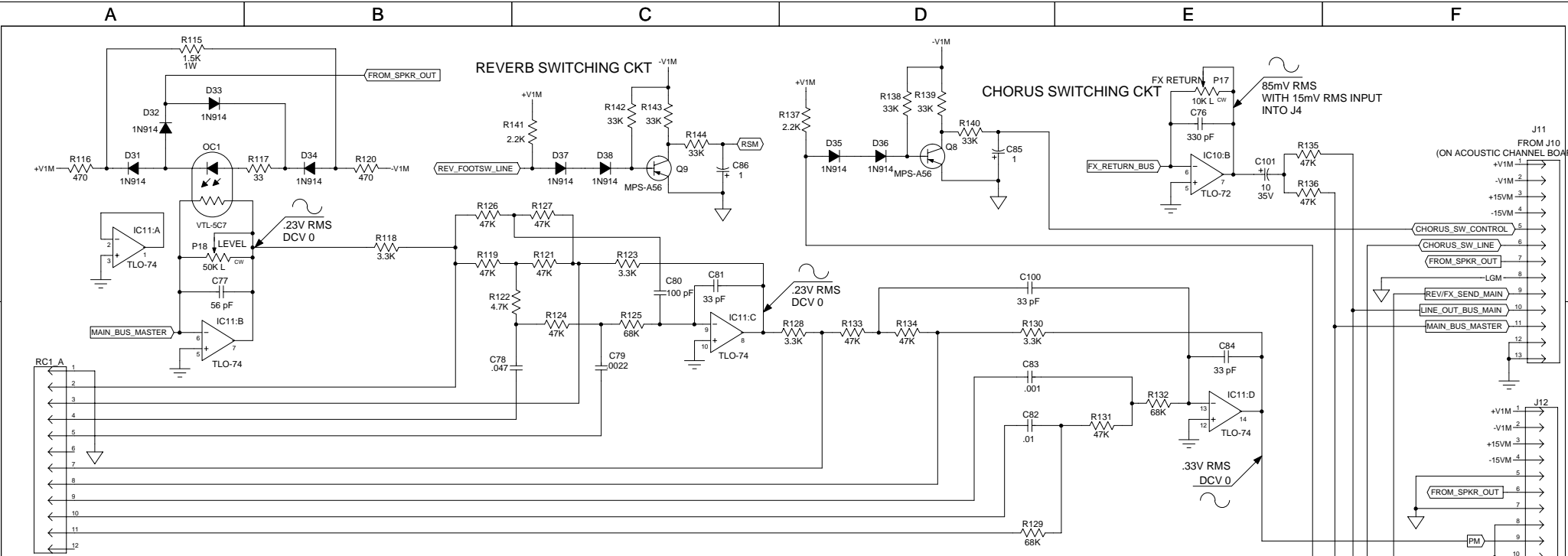
**ON CHANNEL/MASTER BOARD**

**DSP PWR SUPPLY**

**CAUTION:**  
 THIS SCHEMATIC 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.

- 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.

0	3/12/01	CONTROL ISSUE			
A	9/8/00	INITIAL ISSUE			
REV	Date	DESCRIPTION	Ecr(s)/Ecn(s)	Chgd By	Appvd by
THE INFORMATION CONTAINED ON THIS DRAWING IS PROPRIETARY TO ST. LOUIS MUSIC, INC					
Signatures:		Date:		 11880 Borman Drive, St. Louis, MO 63146	
Drawn: WFB		5/11/00			
Checked:		Released:		First Used On:	
Released:				<b>CA125Dd</b>	
Plot Date: Mon Mar 12, 2001		Drawing Size: C		Drawing Title:	
Plot Time: 09:32:07		Drawing Type: Schematic		<b>GUITAR COMBO AMP</b>	
Tolerance:		Class Code: NONE		Drawing Number:	
Sheet 1 of 3				<b>07S551-XX</b>	



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Plot Time: 09:32:08		Drawing Type: Schematic		Drawing Number: 07S551-XX		
Tolerance:		Class Code: NONE		Sheet 2 of 3		

### TEST POINT CONDITIONS: CONTROLS SET AS FOLLOWS:

INSTRUMENT CHANNEL GAIN, REV/EFF @ "10"; LOW, MID, HIGH @ "5";  
 FREQUENCY, CUT, DEPTH, RATE, CONTOUR @ "0".  
 MIC. & AUX. CHANNEL GAIN & REV/EFF @ "10"; EFF. RETURN, LINE OUT, LEVEL @ "10", EQ. FLAT.  
 PIEZO/ACTIVE SWITCH "IN"  
 INPUT SIGNALS 15mVrms SINE WAVE @ 1KHz.

#### TEST POINTS

T.P.	AC VOLTAGE	DC VOLTAGE	WAVEFORM	CONDITIONS:
1	.38V RMS	-----		INPUT THIS VOLTAGE AT PIN 2, J17
2	.267V RMS	-----		WHEN .38V RMS INPUT AT TP 1
3				
4				
5				

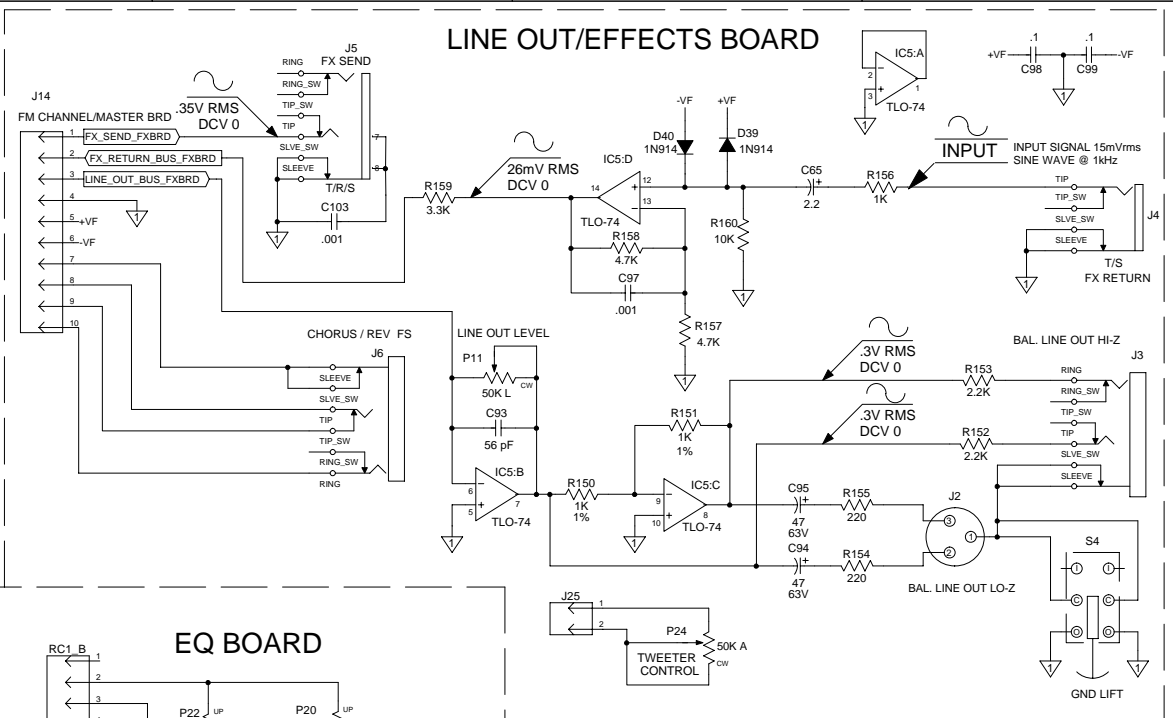
Spare Gate Table		
Last Used	Not Used	Spare Gates
C106	C22, C23, C24, C25, C26, C27, C28, C30, C31, C32, C33, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C72, C73, C74, C96	
D40	D6, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20	
IC11	IC4, IC6, IC7, IC8	
J27	J18, J19, J20, J21, J22, J23, J24	
JW88	JW31, JW37, JW38, JW39, JW41, JW42, JW54	
OC1		
P24		
PWB1		
Q9	Q2, Q3, Q4, Q5	
R166	R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R66, R67, R71, R72, R73, R74, R75, R76, R77, R78, R79, R97, R98, R99, R100, R101, R106, R147, R149, R162, R163	
RC1_A		
S4		

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Power Table								
RefDes	+VA	-VA	+VB	-VB	+VF	-VF	+VM	-VM
IC1	8	4						
IC2	4	11						
IC3	8	4						
IC5					4	11		
IC9			4	11				
IC10							8	4
IC11							4	11

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