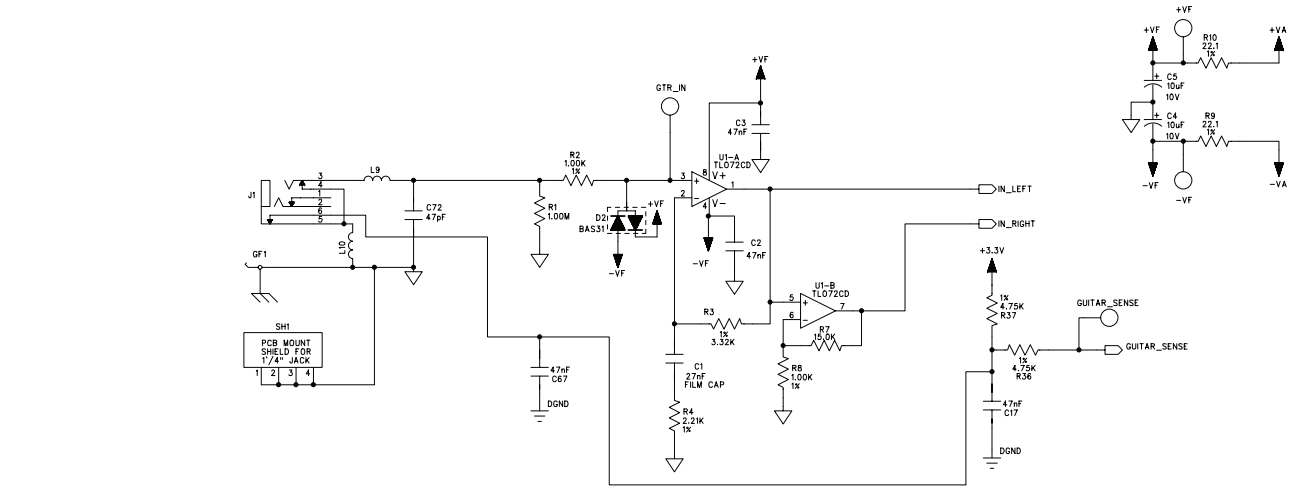
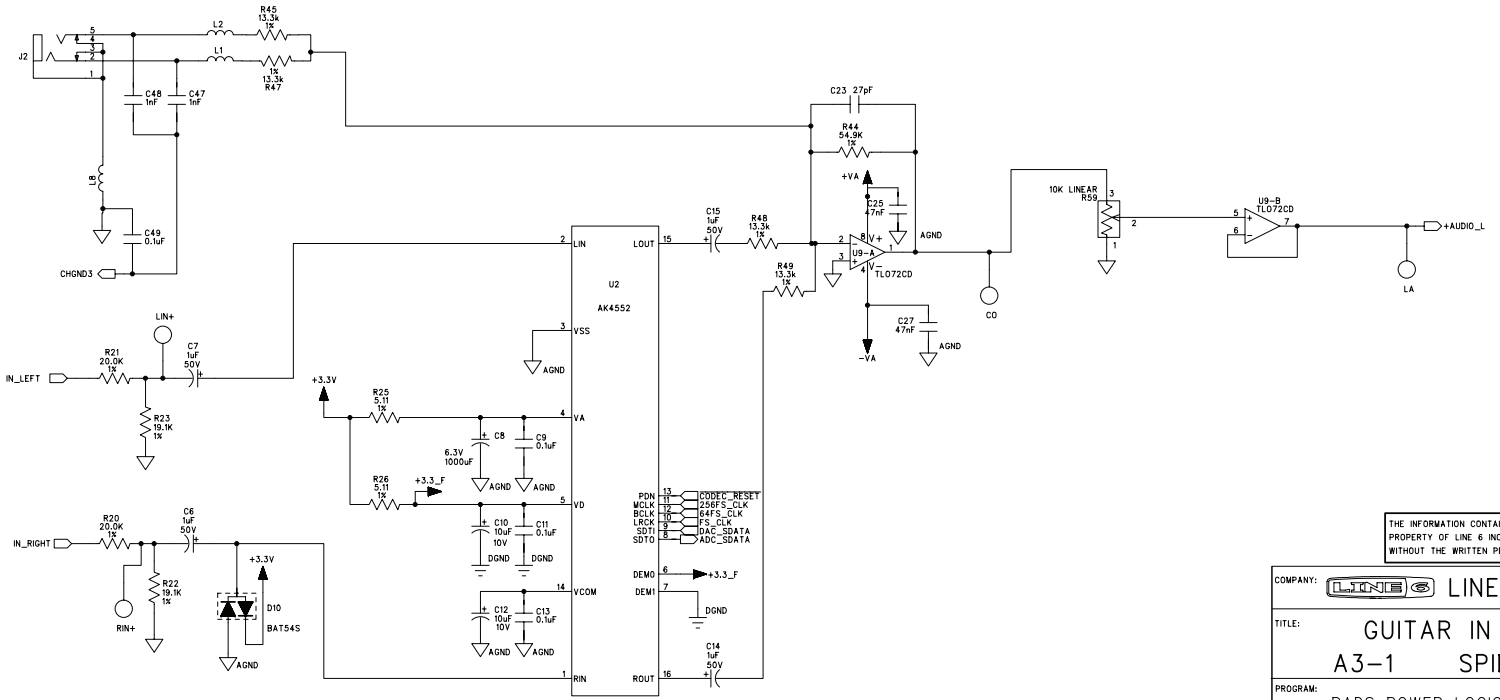
Spider II HD75

Service Manual

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
0505302	2.23.05	Released as rev.A to MFG - mh
0510103	4.11.05	Changed R65 & R66 to 1K 1W



3.5mm STEREO INPUT



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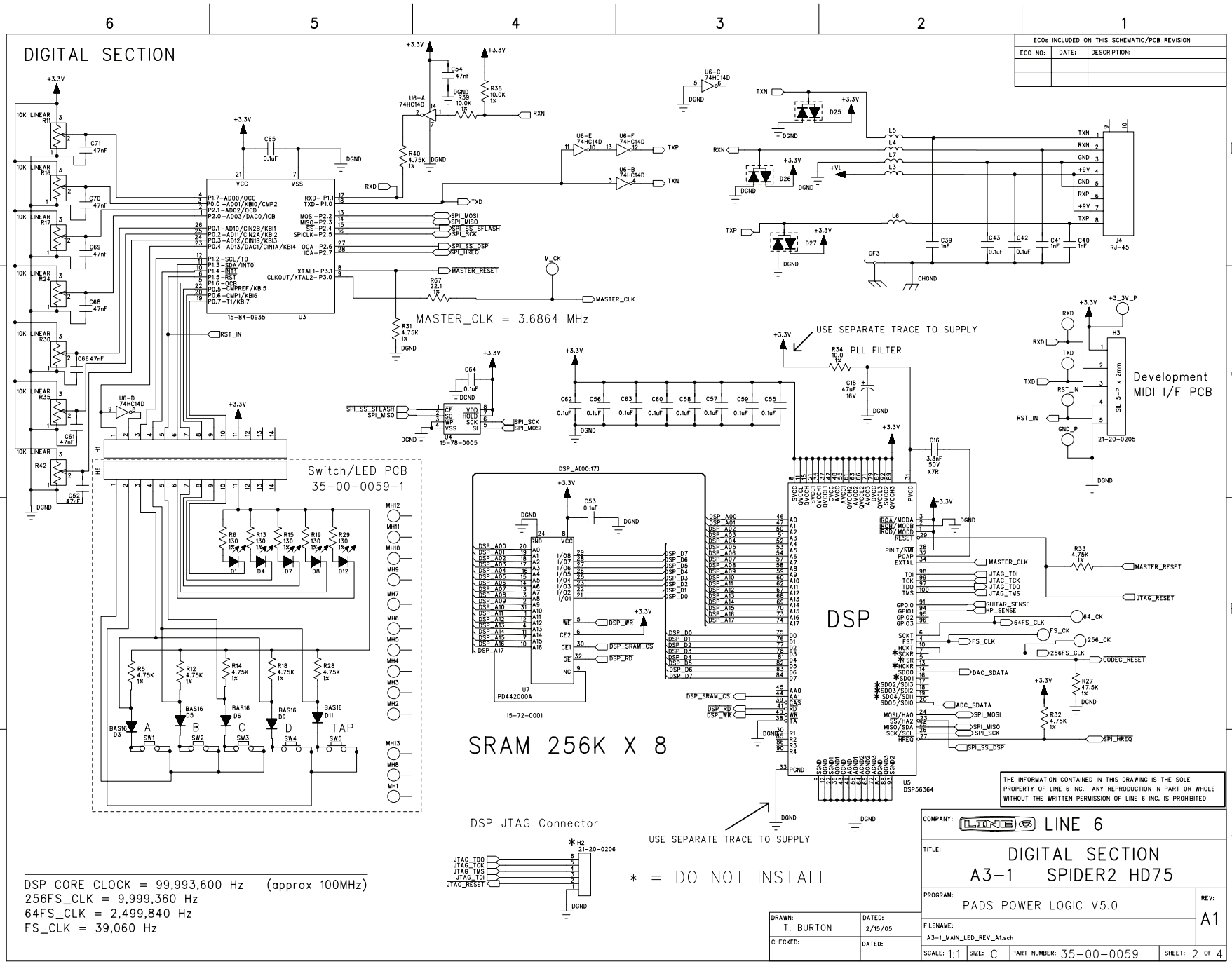
DRAWN: T. BURTON	DATED: 2/15/05	COMPANY: LINE 6	
CHECKED:	DATED:	TITLE: GUITAR IN / CODEC A3-1 SPIDER2 HD75	
		PROGRAM: PADS POWER LOGIC V5.0	REV: A1
		FILENAME: A3-1_MAIN_LED_REV_A1.sch	
		SCALE: 1:1 SIZE: C PART NUMBER: 35-00-0059	SHEET: 1 OF 4


DIGITAL SECTION
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION
ECO NO: DATE: DESCRIPTION:
MASTER_CLK = 3.6864 MHz
USE SEPARATE TRACE TO SUPPLY
R34 PLL FILTER
Development MIDI I/F PCB
Switch/LED PCB 35-00-0059-1
DSP
SRAM 256K X 8
DSP JTAG Connector
USE SEPARATE TRACE TO SUPPLY
* = DO NOT INSTALL
DSP CORE CLOCK = 99,993,600 Hz (approx 100MHz)
256FS_CLK = 9,999,360 Hz
64FS_CLK = 2,499,840 Hz
FS_CLK = 39,060 Hz
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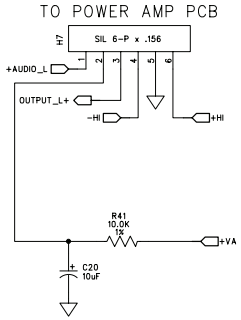
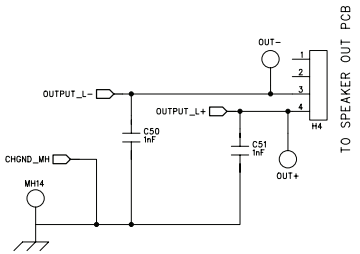
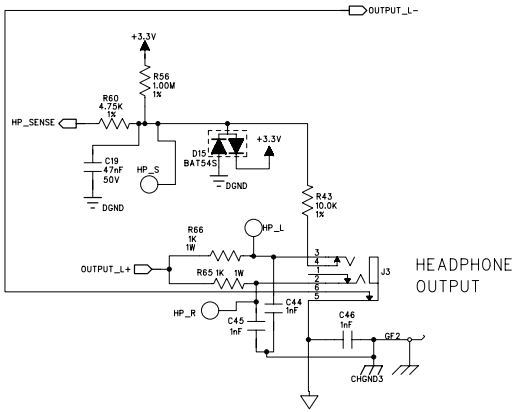
COMPANY: LINE 6
TITLE: DIGITAL SECTION A3-1 SPIDER2 HD75
PROGRAM: PADS POWER LOGIC V5.0
REV: A1
FILENAME: A3-1_MAIN_LED_REV_A1.sch
DRAWN: T. BURTON DATED: 2/15/05
CHECKED: DATED:
SCALE: 1:1 SIZE: C PART NUMBER: 35-00-0059 SHEET: 2 OF 4

POWER AMP / HEADPHONE AMP

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:







MH15

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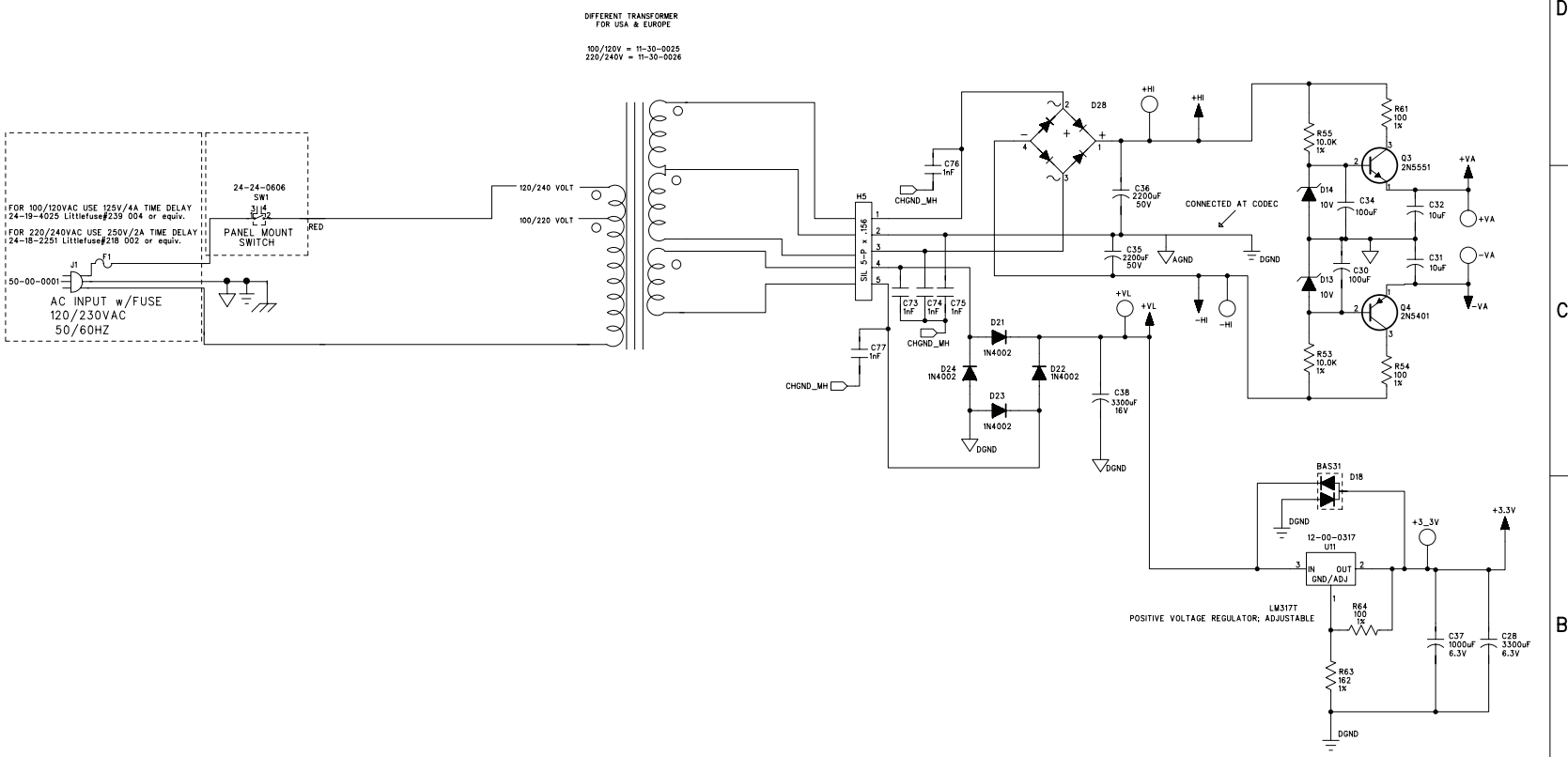
DRAWN: T. BURTON	DATED: 2/15/05		
CHECKED:	DATED: Date		
COMPANY: LINE 6			
TITLE: A3-1 SPIDER2 HD75 POWER AMP / HEADPHONE AMP			
PROGRAM: PADS POWER LOGIC V5.0			REV: A1
FILENAME: A3-1_MAIN_LED_REV_A1.sch			
SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0059	SHEET: 3 OF 4

POWER SUPPLY

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:



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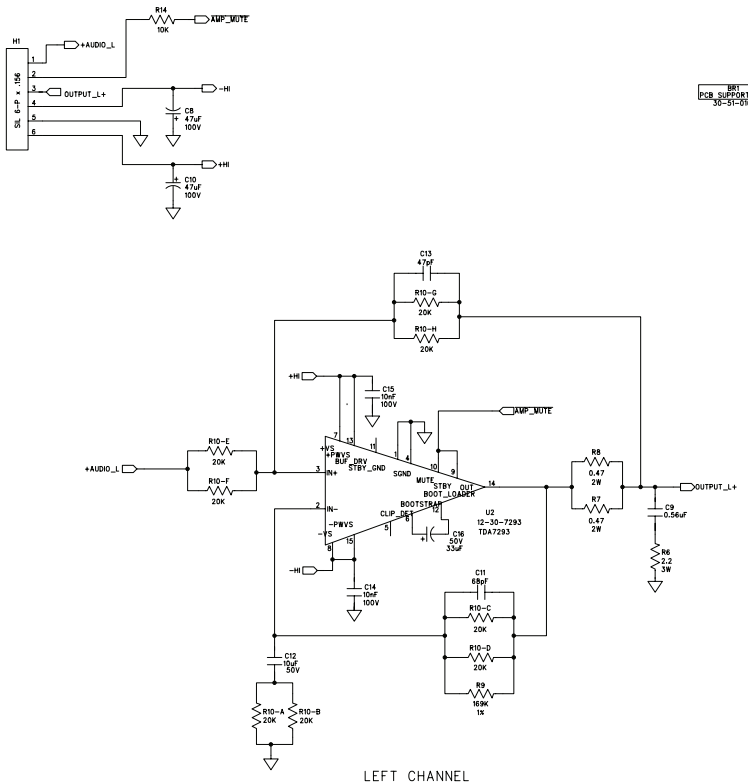
COMPANY:	LINE 6		
TITLE:	A3-1 SPIDER2 HD75 POWER SUPPLY		
PROGRAM:	PADS POWER LOGIC V5.0		REV: A1
FILENAME:	A3-1_MAIN_LED_REV_A1.sch		
SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0059	SHEET: 4 OF 4

DRAWN:	T. BURTON	DATED:	2/15/05
CHECKED:		DATED:	

POWER AMP

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
0505302	02.23.05	Released as rev.A to MFG - (mh)

NOTE: THIS PCB HAS BOTH THE POWER AMP AND SPEAKER OUT DESIGNS



LEFT CHANNEL

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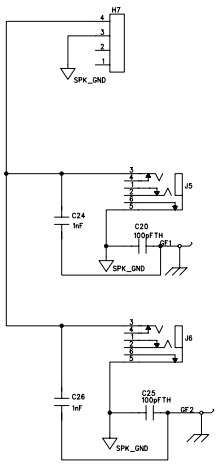
COMPANY:	LINE 6
TITLE:	A3-1 SPIDER II HD75 POWER AMP / SPEAKER OUT
PROGRAM:	PADS POWER LOGIC V5.0
REV:	A
FILENAME:	
SCALE: 1:1	SIZE: C
PART NUMBER:	35-00-0061
SHEET:	1 OF 2

DRAWN: T. BURTON	DATED: 2/15/05
CHECKED:	DATED: Date

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:

SPEAKER OUT

NOTE: THIS PCB HAS BOTH THE AMP AND SPEAKER OUT DESIGNS



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COMPANY: LINE 6			
TITLE: A3-1 SPIDER II HD75 POWER AMP / SPEAKER OUT			
PROGRAM: PADS POWER LOGIC V5.0			REV: A
FILENAME:			
SCALE: 1:1	SIZE: C	PART NUMBER: 35-00-0062	SHEET: 2 OF 2

DRAWN: T. BURTON	DATED: 2/15/05
CHECKED:	DATED: