



US Model # 99-060-1505
 Australian Model # 99-060-1501
 European Model # 99-060-1502
 Japanese Model# 99-060-1503
 UK Model # 99-060-1504

Multi FX Pedal
Table of Contents

**POD HD 400: Engineering code
 name P16-3 Spider live PRO**

Contents	Notes
Main, Footswitch, UI, and Pedal Schematics	Schematic titles are by internal engineering product code name
Disassembly instructions	See POD HD 500 Disassembly instructions
BOM	See for alternate part numbers not included in Disassembly inst



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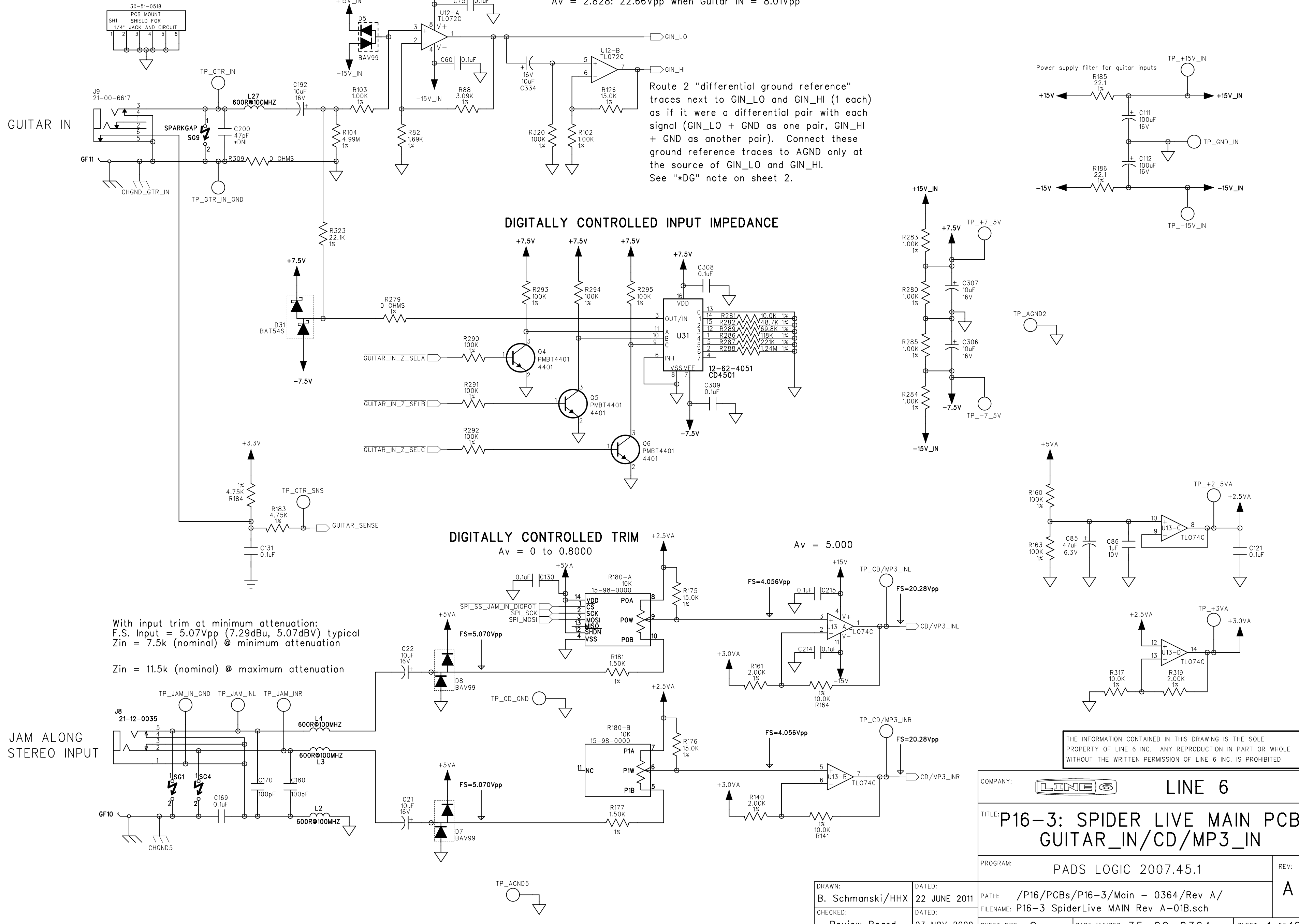
2

1

"FS" = Full Scale (full ADC/DAC modulation, just before clipping)

*DNI = DO NOT INSTALL

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



$A_v = 2.828: 22.66V_{pp}$ when Guitar IN = $8.01V_{pp}$

Route 2 "differential ground reference" traces next to GIN_LO and GIN_HI (1 each) as if it were a differential pair with each signal (GIN_LO + GND as one pair, GIN_HI + GND as another pair). Connect these ground reference traces to AGND only at the source of GIN_LO and GIN_HI. See "*DG" note on sheet 2.

DIGITALLY CONTROLLED INPUT IMPEDANCE

DIGITALLY CONTROLLED TRIM

With input trim at minimum attenuation:
 F.S. Input = $5.07V_{pp}$ ($7.29dB_u$, $5.07dB_V$) typical
 $Z_{in} = 7.5k$ (nominal) @ minimum attenuation

$Z_{in} = 11.5k$ (nominal) @ maximum attenuation

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COMPANY:	LINE 6	
TITLE:	P16-3: SPIDER LIVE MAIN PCB GUITAR_IN/CD/MP3_IN	
PROGRAM:	PADS LOGIC 2007.45.1	REV:
		A
DRAWN:	DATED:	PATH:
B. Schmanski/HHX	22 JUNE 2011	/P16/PCBs/P16-3/Main - 0364/Rev A/
CHECKED:	DATED:	FILENAME:
Review Board	23 NOV 2009	P16-3 SpiderLive MAIN Rev A-01B.sch
SHEET SIZE:	PART NUMBER:	SHEET:
C	35-00-0364	1 OF 10

CODEC1

"FS" = Full Scale (full ADC/DAC modulation, just before clipping)

***DNI = DO NOT INSTALL**

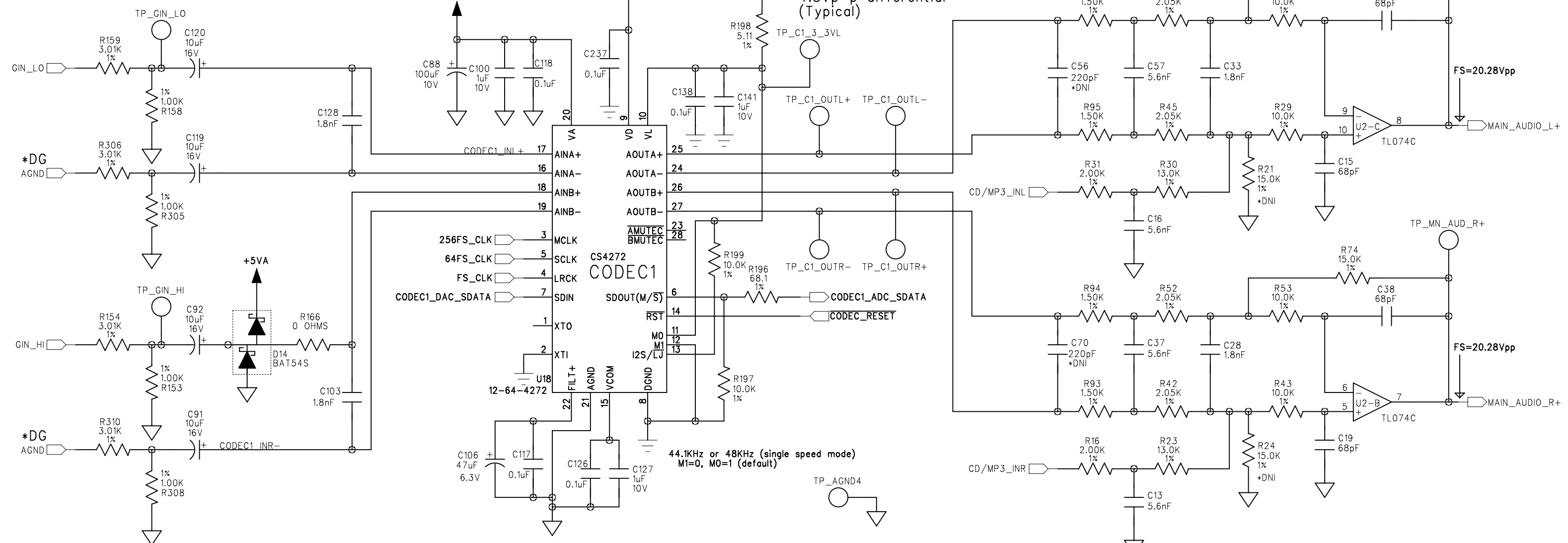
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
-	-	-
-	-	-

CODEC inputs are 5.65Vp-p single-ended/diff max

ADC/DAC Dynamic Range, S/N = -114dB

CODEC outputs are 2.4Vp-p Single Ended / 4.8Vp-p differential (Typical)

Filter Gain (Av) = 4.225

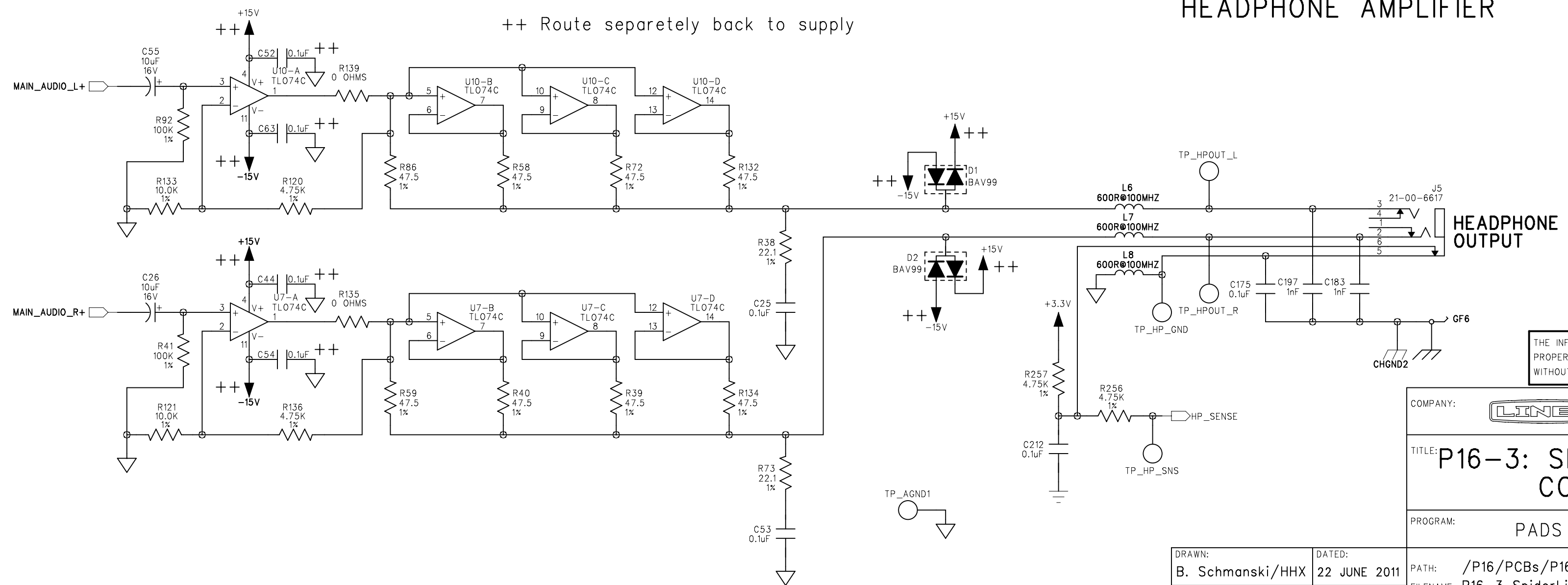


Resistor Divider Voltage "Gain"
Av = 1/4.01 (Attenuation)

*DG = Differential Ground Reference. Route this ground signal trace along side the associated signal trace, and connect it to the ground plane only at the source of that signal. In this case, these "ground" traces should connect to the GND plane as close as possible to U12. See note on sheet 1.

HEADPHONE AMPLIFIER

++ Route separately back to supply



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COMPANY:	LINE 6	
TITLE:	P16-3: SPIDER LIVE MAIN PCB CODEC1/HP_AMP	
PROGRAM:	PADS LOGIC 2007.45.1	REV: A
DRAWN:	B. Schmanski/HHX	DATED: 22 JUNE 2011
CHECKED:	Review Board	DATED: 23 NOV 2009
PATH:	/P16/PCBs/P16-3/Main - 0364/Rev A/	
FILENAME:	P16-3 SpiderLive MAIN Rev A-01B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0364
		SHEET: 2 OF 10

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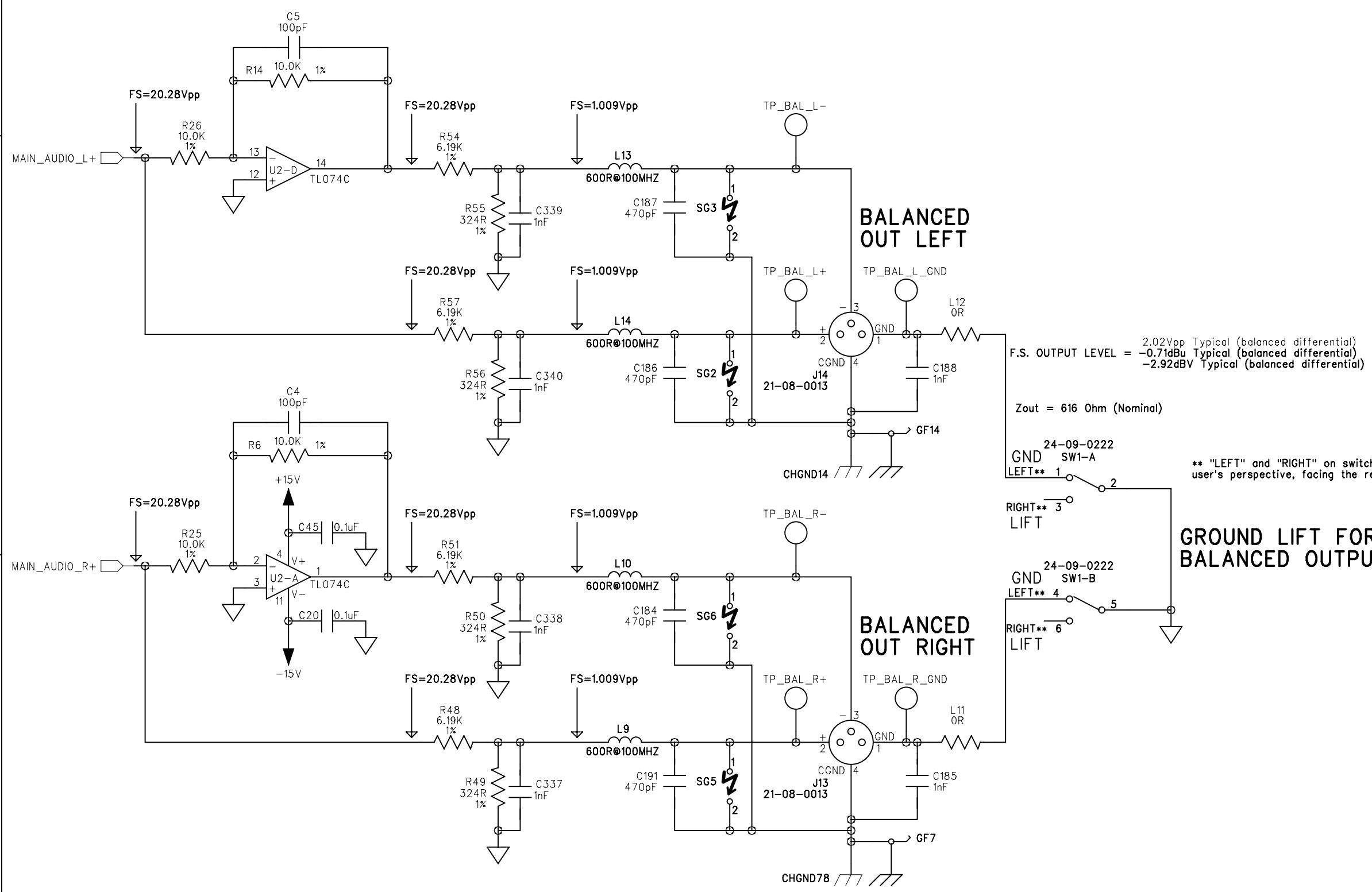
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"FS" = Full Scale (full ADC/DAC modulation, just before clipping)

*DNI = DO NOT INSTALL

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



F.S. OUTPUT LEVEL = 2.02Vpp Typical (balanced differential)
 -0.71dBu Typical (balanced differential)
 -2.92dBV Typical (balanced differential)

Zout = 616 Ohm (Nominal)

** "LEFT" and "RIGHT" on switch positions are from user's perspective, facing the rear panel to read the labels.

GROUND LIFT FOR BALANCED OUTPUTS

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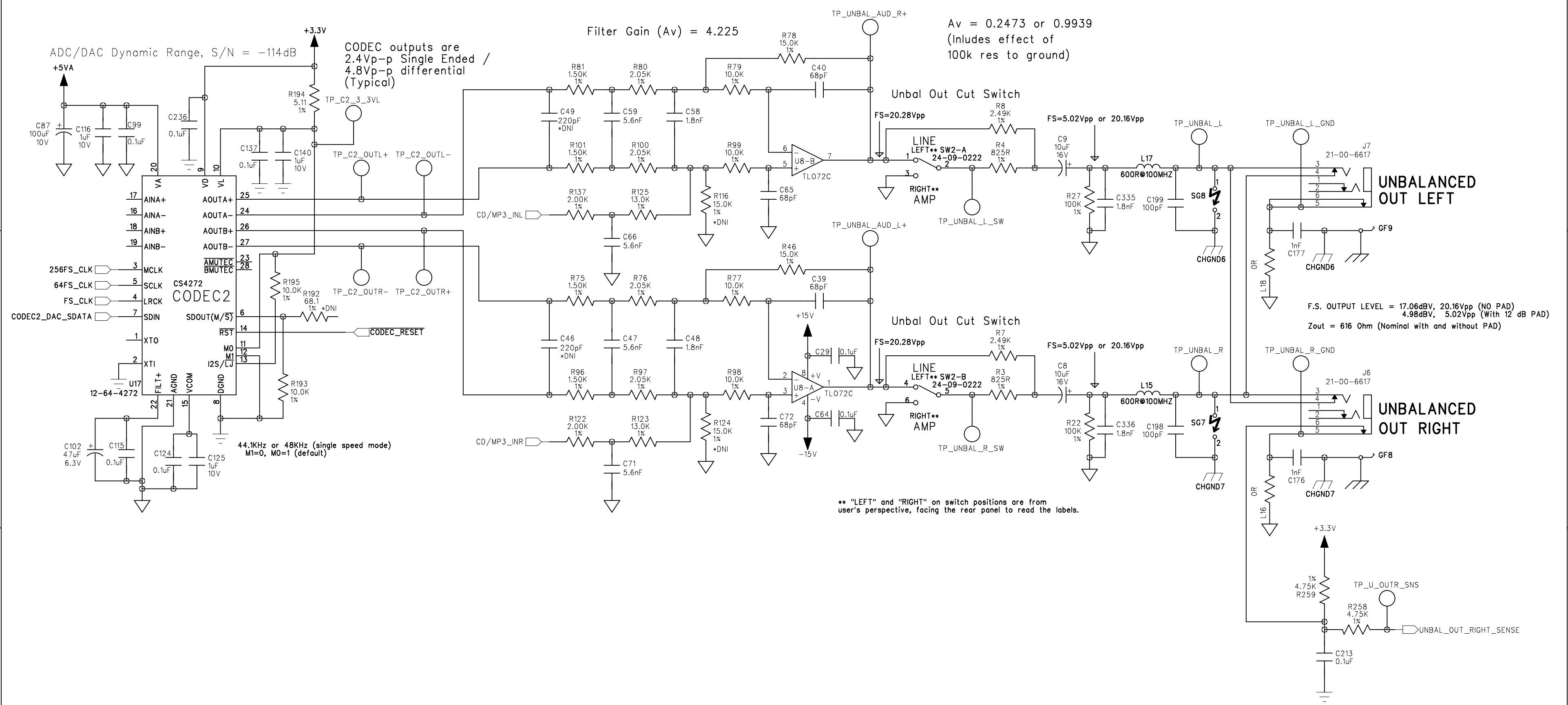
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TITLE:	P16-3: SPIDER LIVE MAIN PCB BALANCED_OUT	
PROGRAM:	PADS LOGIC 2007.45.1	REV: A
DRAWN:	B. Schmanski/HHX	DATED: 22 JUNE 2011
CHECKED:	Review Board	DATED: 23 NOV 2009
PATH:	/P16/PCBs/P16-3/Main - 0364/Rev A/	
FILENAME:	P16-3 SpiderLive MAIN Rev A-01B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0364
		SHEET: 3 OF 10

CODEC2

"FS" = Full Scale (full ADC/DAC modulation, just before clipping)

***DNI = DO NOT INSTALL**

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
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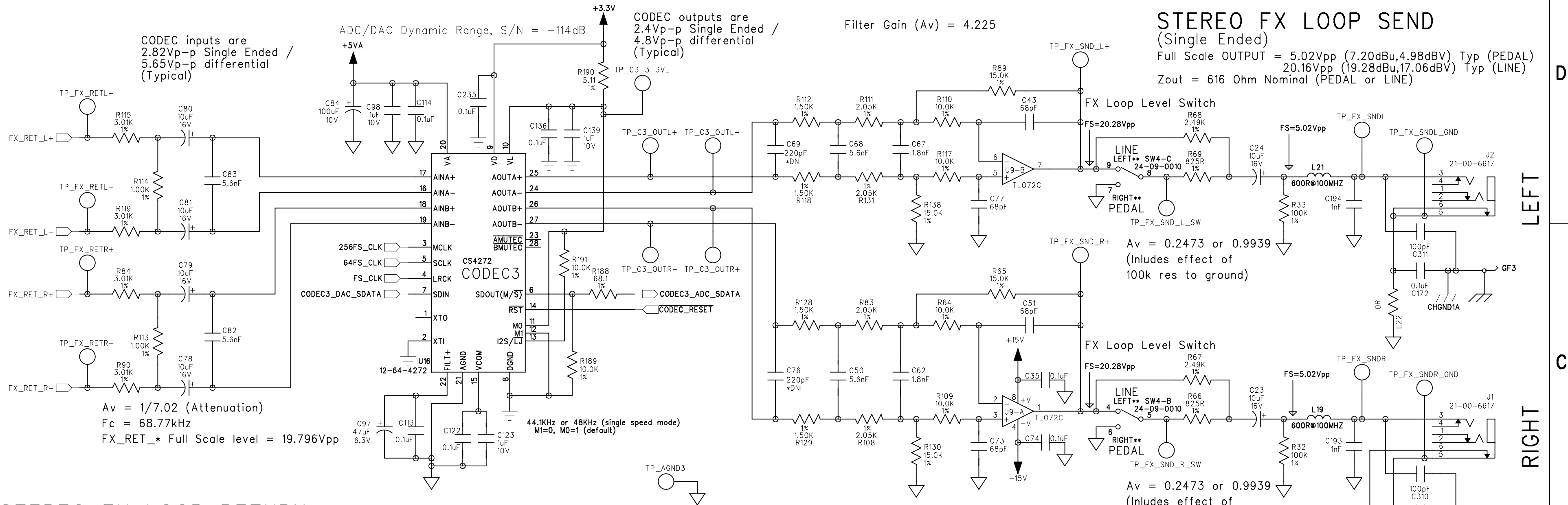
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PROGRAM:	PADS LOGIC 2007.45.1	REV: A
DRAWN:	DATED:	PATH:
B. Schmanski/HHX	22 JUNE 2011	/P16/PCBs/P16-3/Main - 0364/Rev A/
CHECKED:	DATED:	FILENAME:
Review Board	23 NOV 2009	P16-3 SpiderLive MAIN Rev A-01B.sch
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C	35-00-0364	4 OF 10

CODEC3

"FS" = Full Scale (full ADC/DAC modulation, just before clipping)

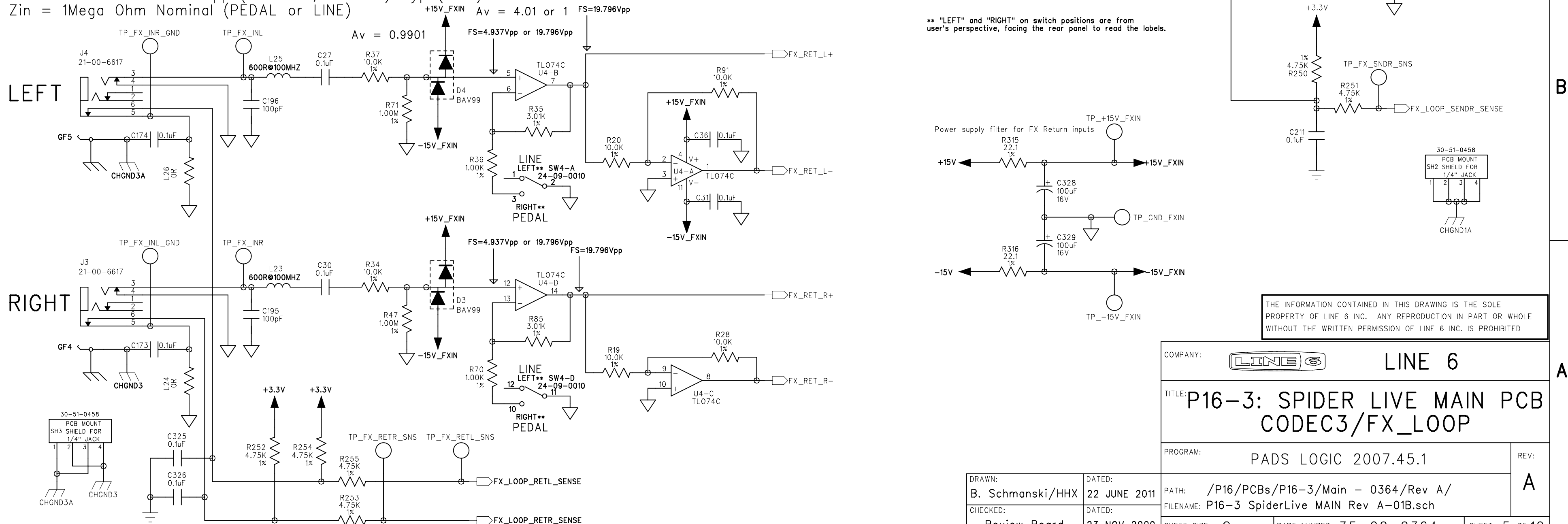
***DNI = DO NOT INSTALL**

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



STEREO FX LOOP RETURN (Single Ended)

Full Scale INPUT = 4.99V_{pp} (7.15dBu, 4.93dBV) Typ (PEDAL)
19.99V_{pp} (19.20dBu, 16.99dBV) Typ (LINE)
Zin = 1Mega Ohm Nominal (PEDAL or LINE)



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COMPANY: **LINE 6**

TITLE: **P16-3: SPIDER LIVE MAIN PCB CODEC3/FX_LOOP**

PROGRAM: PADS LOGIC 2007.45.1

REV: **A**

DRAWN: B. Schmanski/HHX	DATED: 22 JUNE 2011	PATH: /P16/PCBs/P16-3/Main - 0364/Rev A/
CHECKED: Review Board	DATED: 23 NOV 2009	FILENAME: P16-3 SpiderLive MAIN Rev A-01B.sch
SHEET SIZE: C	PART NUMBER: 35-00-0364	SHEET: 5 OF 10

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*DNI = DO NOT INSTALL

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
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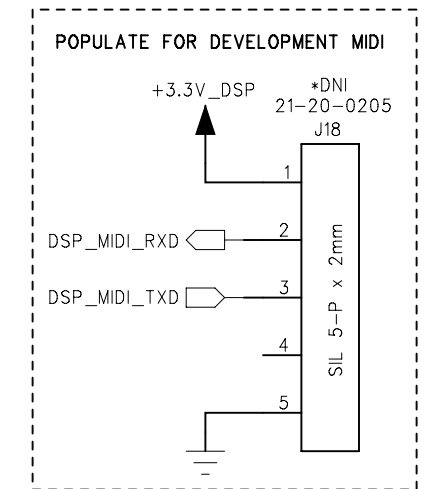
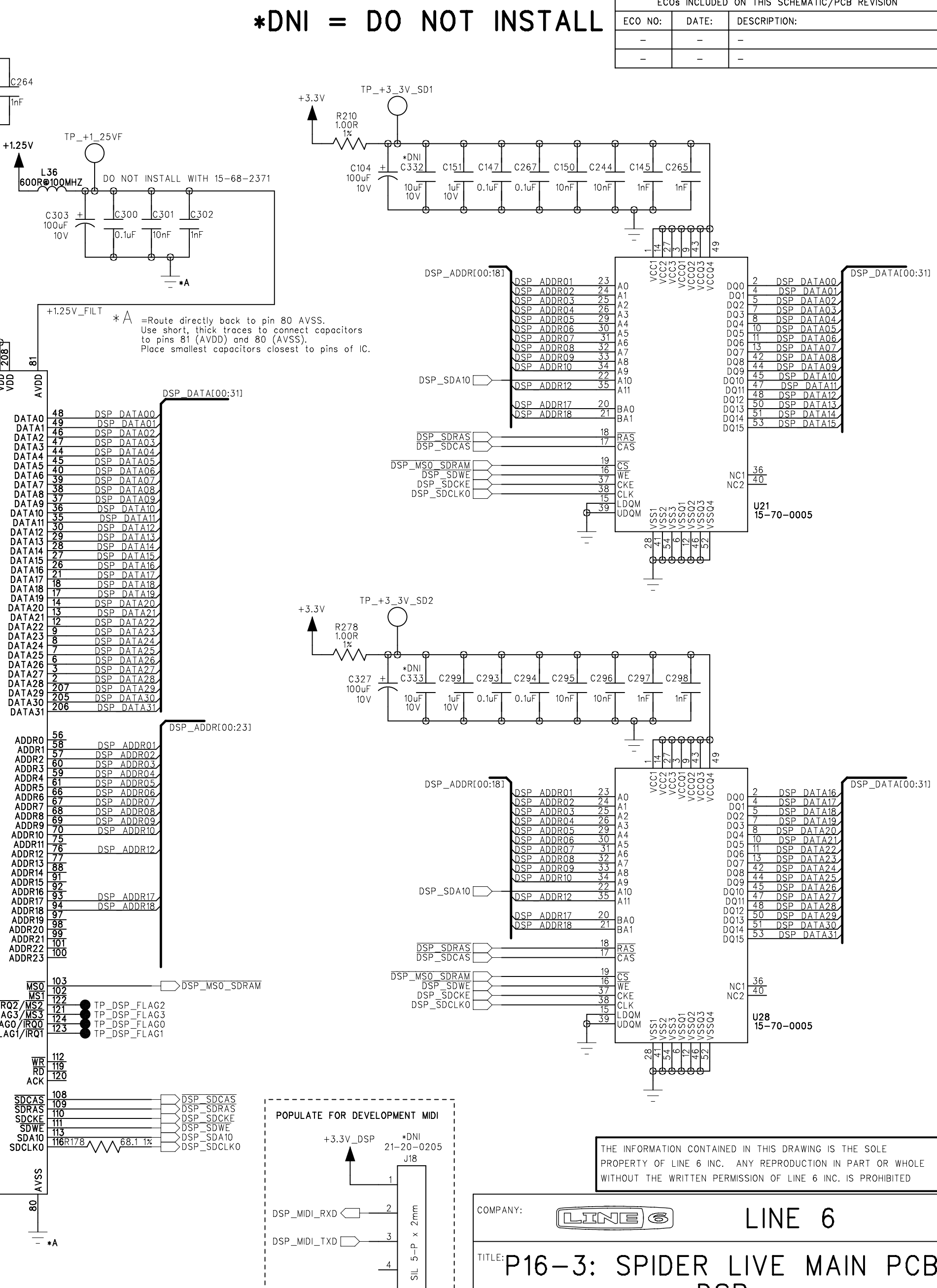
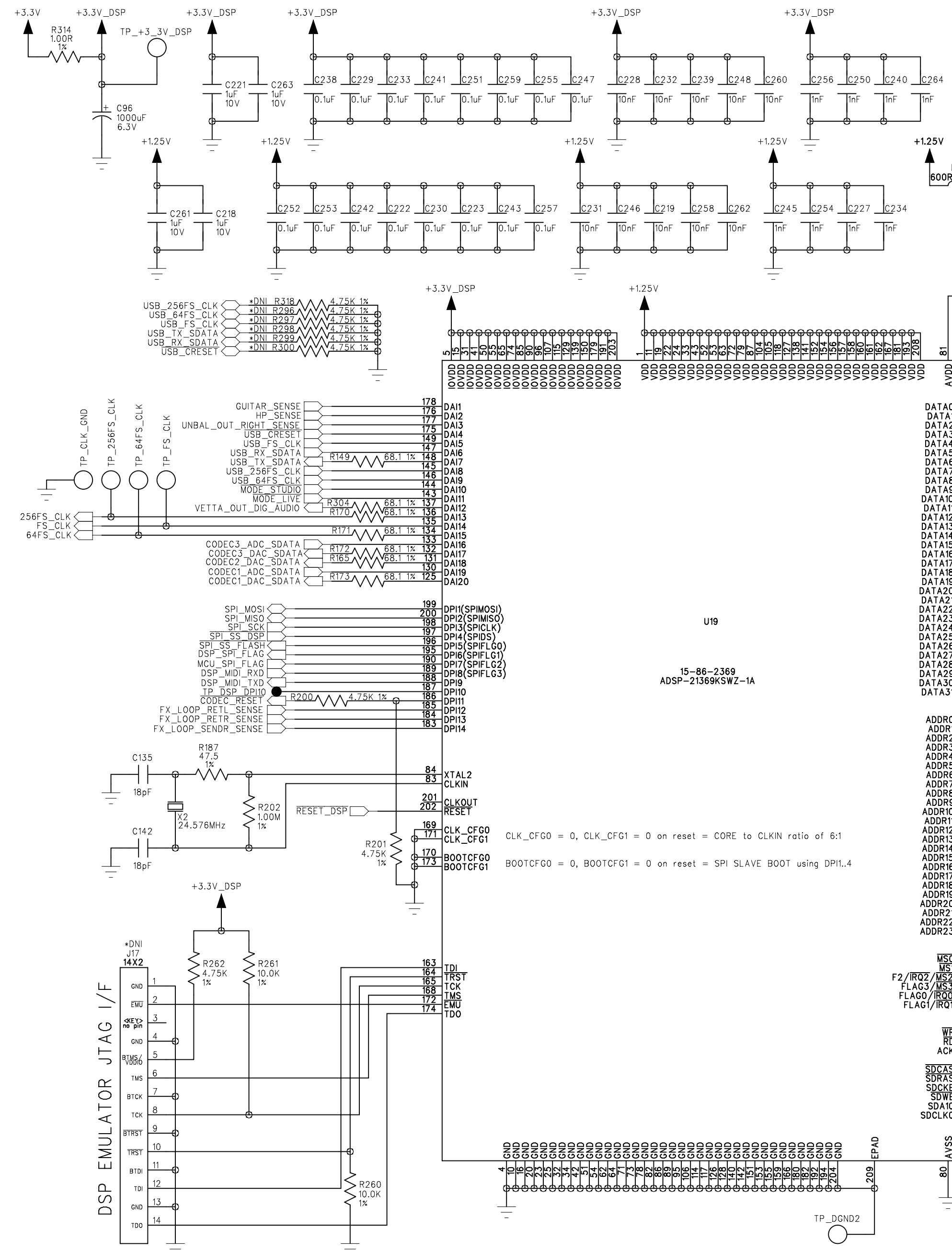
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A



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COMPANY: **LINE 6**

TITLE: **P16-3: SPIDER LIVE MAIN PCB DSP**

PROGRAM: **PADS LOGIC 2007.45.1**

REV: **A**

PATH: /P16/PCBs/P16-3/Main - 0364/Rev A/
 FILENAME: P16-3 SpiderLive MAIN Rev A-01B.sch

SHEET SIZE: C PART NUMBER: 35-00-0364 SHEET: 6 OF 10

DRAWN: **B. Schmanski/HHX**
 CHECKED: **Review Board**
 DATED: **22 JUNE 2011**
 DATED: **23 NOV 2009**

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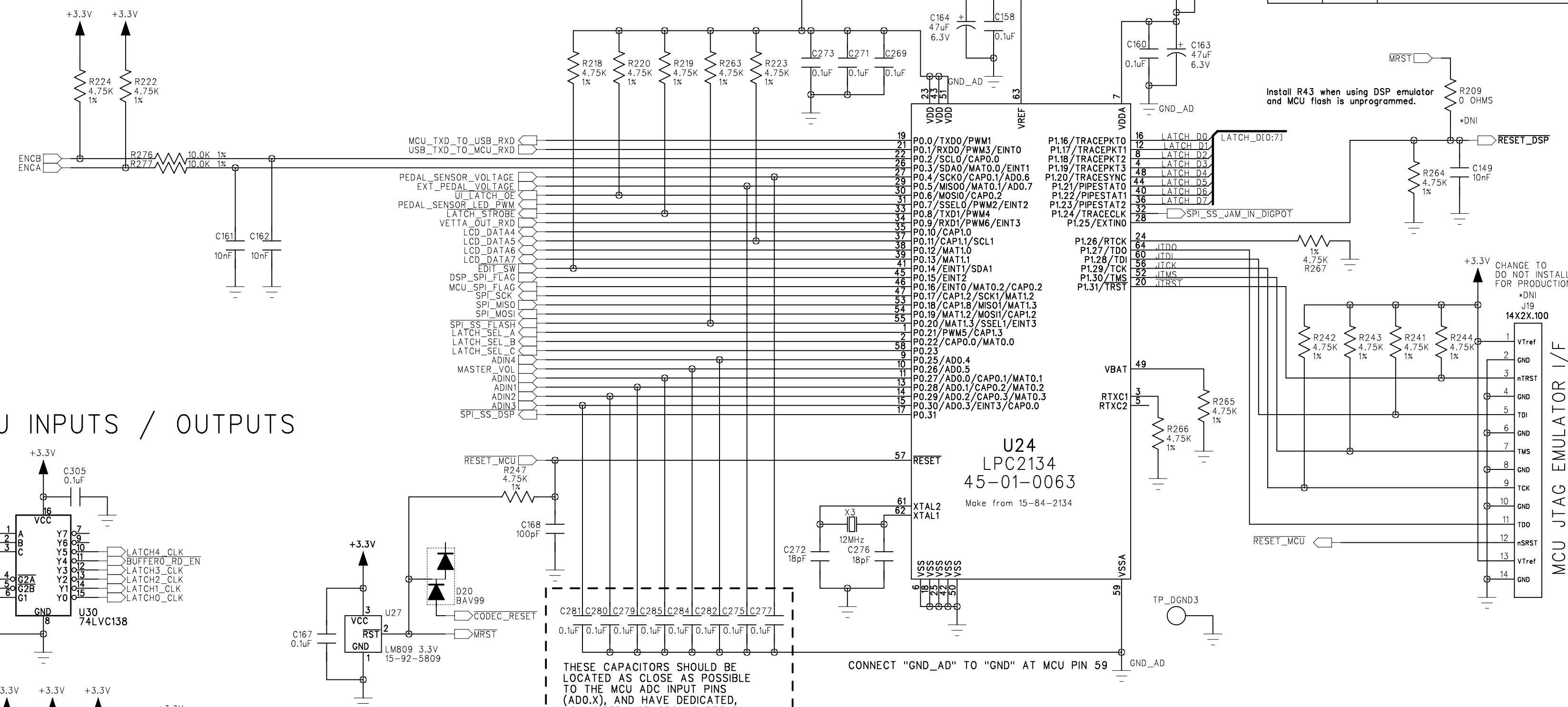
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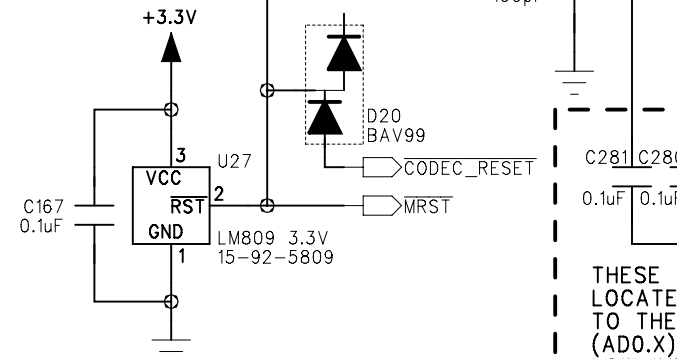
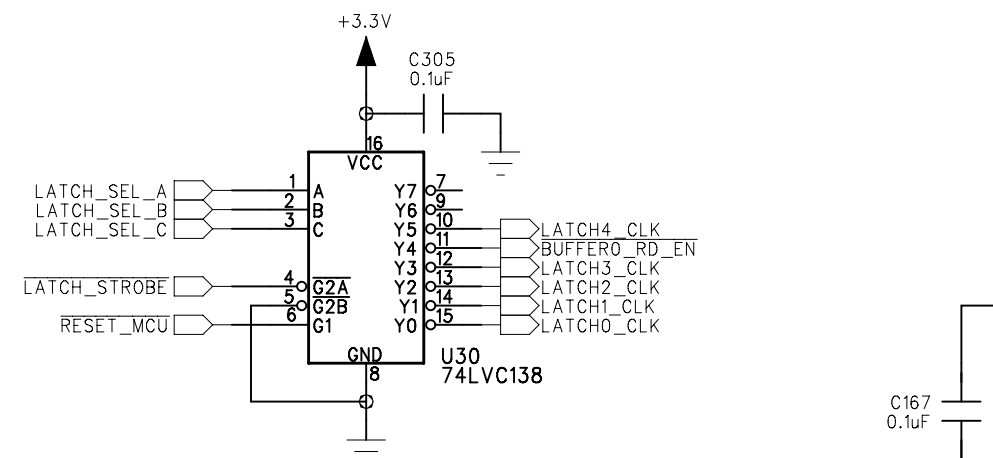
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*DNI = DO NOT INSTALL

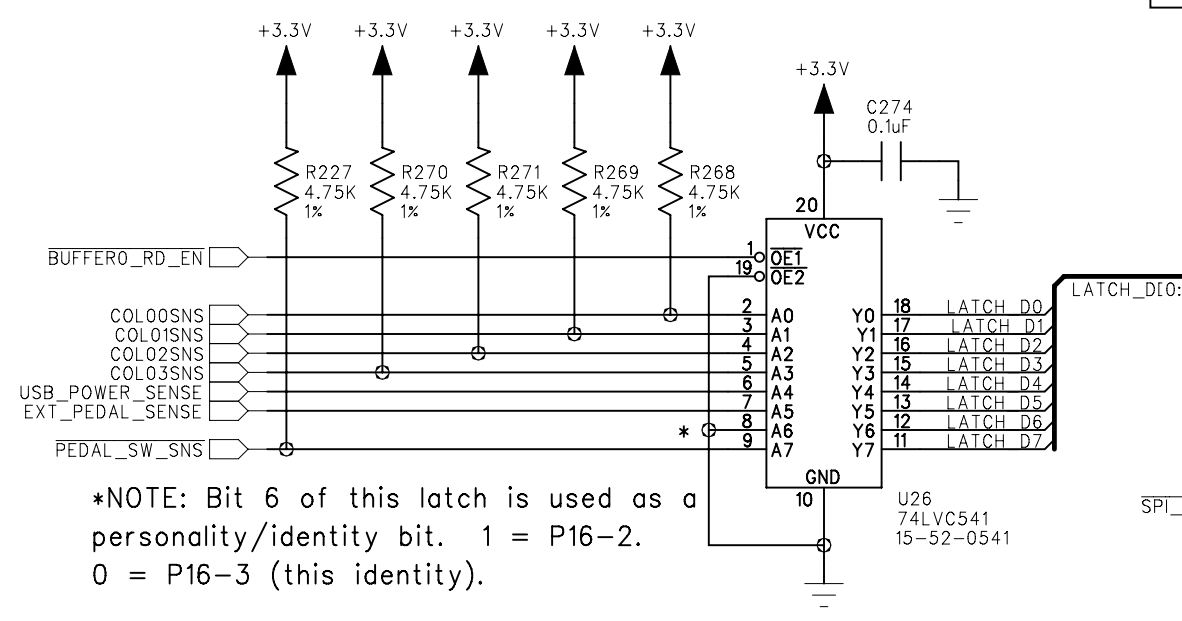
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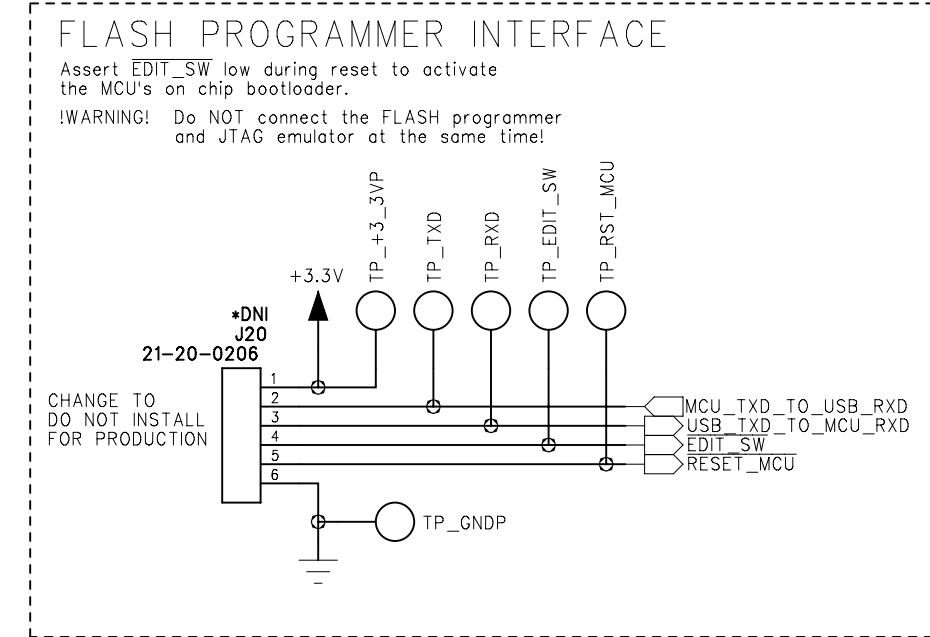
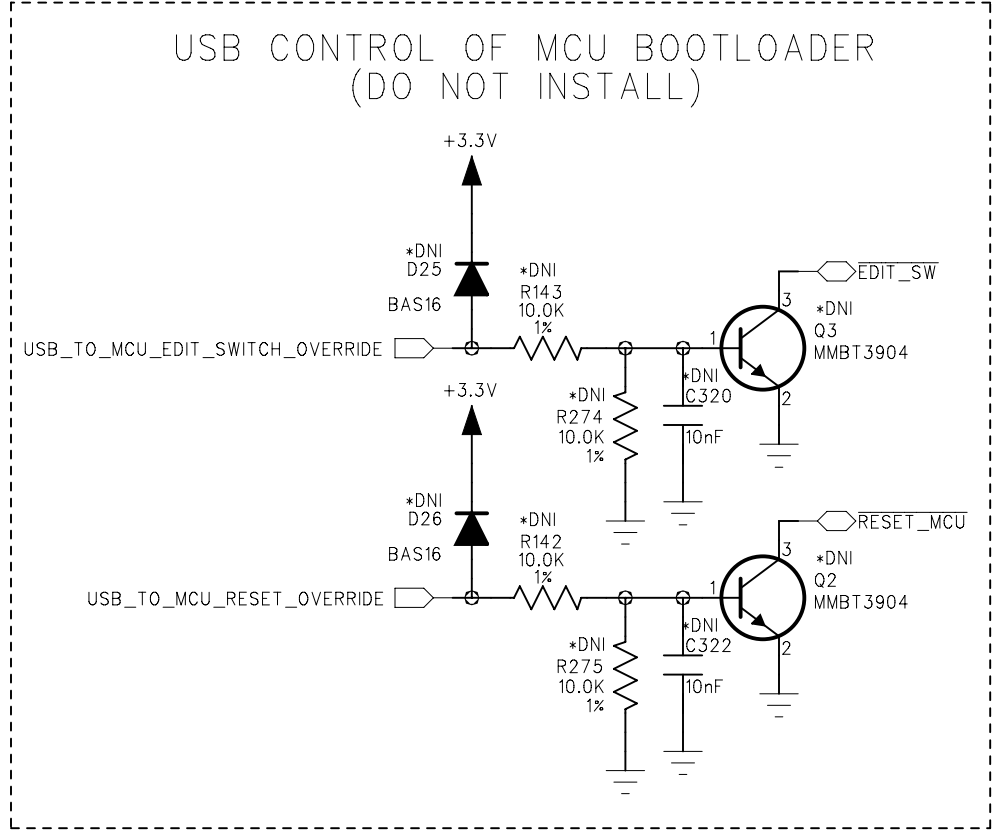
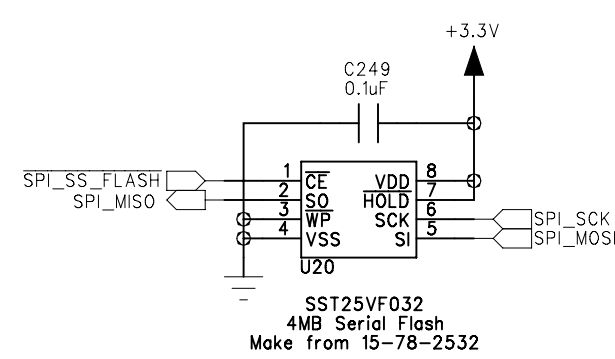
ADDITIONAL MCU INPUTS / OUTPUTS



THESE CAPACITORS SHOULD BE LOCATED AS CLOSE AS POSSIBLE TO THE MCU ADC INPUT PINS (AD0.X), AND HAVE DEDICATED, LOW IMPEDANCE GROUND RETURN TO MCU PIN 59 (VSSA).



*NOTE: Bit 6 of this latch is used as a personality/identity bit. 1 = P16-2. 0 = P16-3 (this identity).



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COMPANY:	LINE 6	
TITLE:	P16-3: SPIDER LIVE MAIN PCB MCU	
PROGRAM:	PADS LOGIC 2007.45.1	REV: A
PATH:	/P16/PCBs/P16-3/Main - 0364/Rev A/	
FILENAME:	P16-3 SpiderLive MAIN Rev A-01B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0364
SHEET:	7	OF 10

DRAWN:	B. Schmanski/HHX	DATED:	22 JUNE 2011
CHECKED:	Review Board	DATED:	23 NOV 2009

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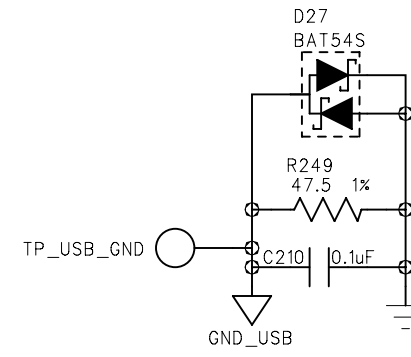
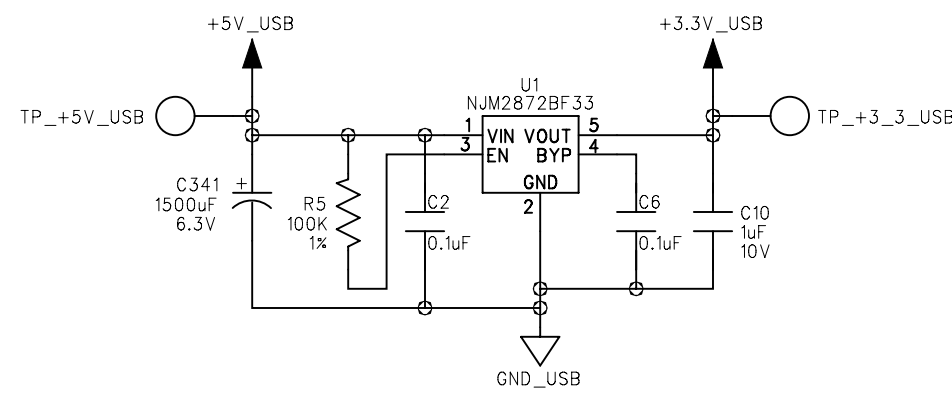
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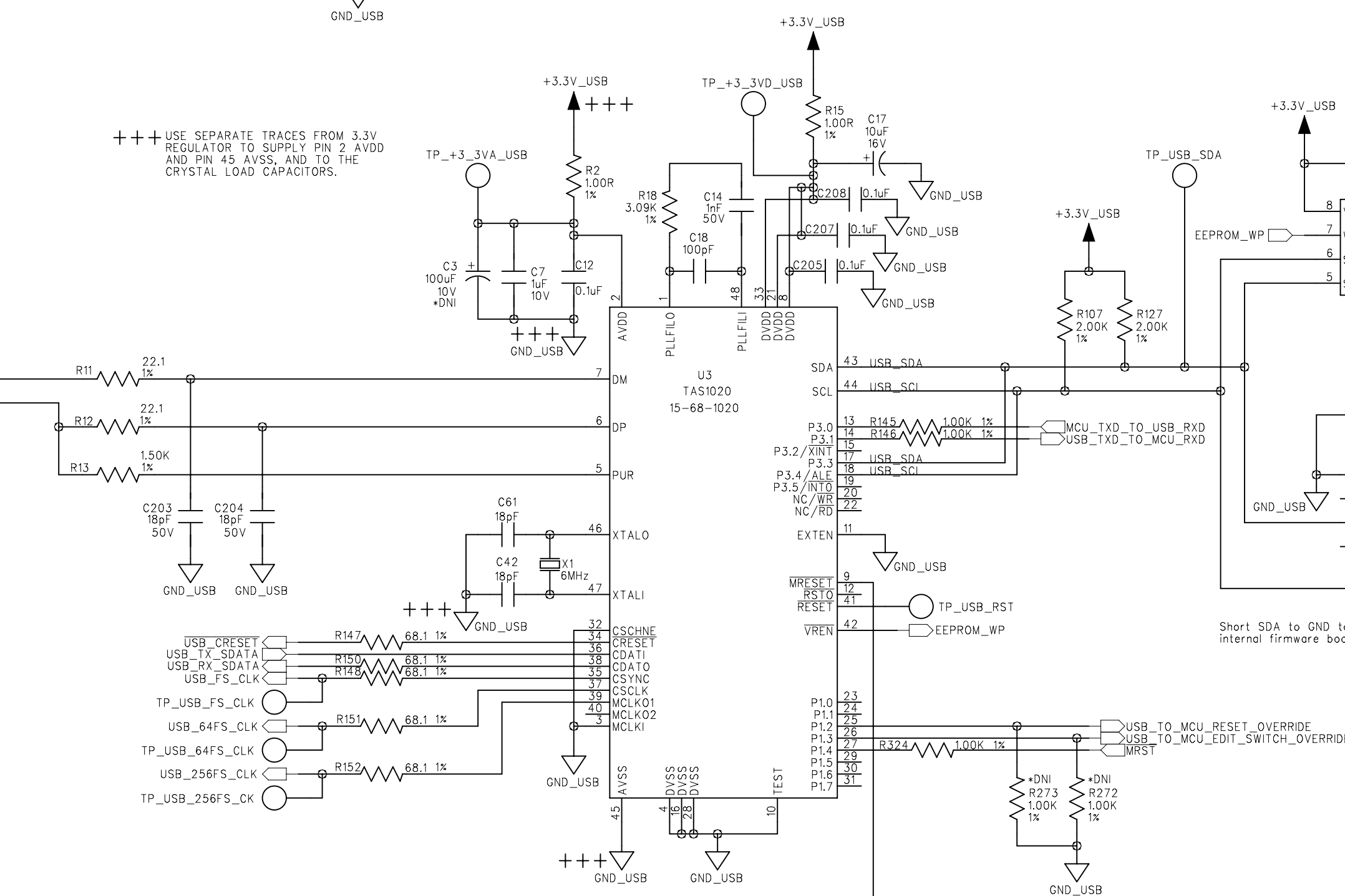
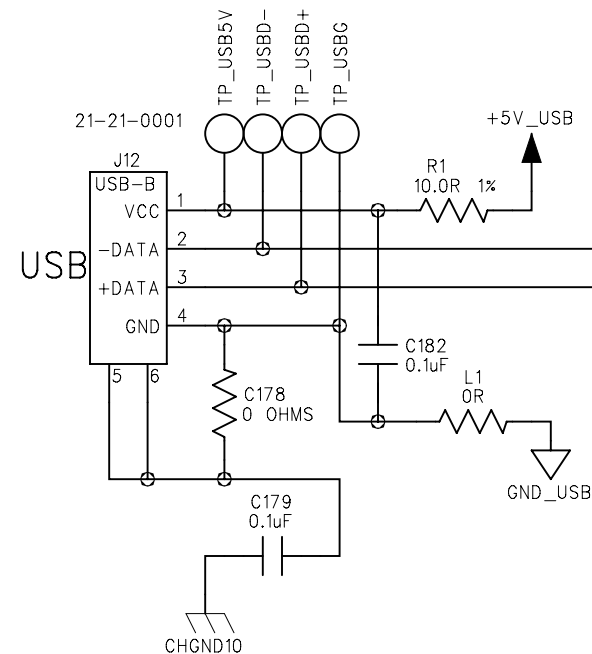
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*DNI = DO NOT INSTALL

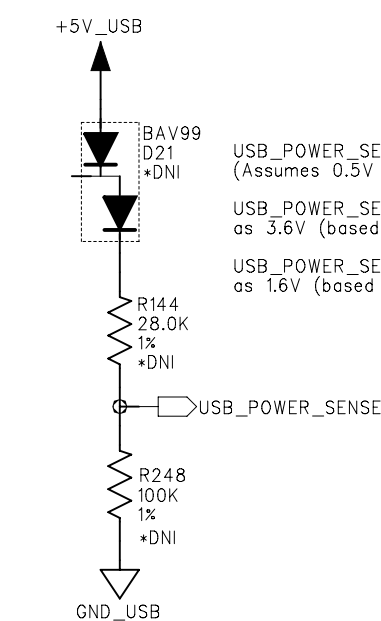
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
-	-	-
-	-	-



+++ USE SEPARATE TRACES FROM 3.3V REGULATOR TO SUPPLY PIN 2 AVDD AND PIN 45 AVSS, AND TO THE CRYSTAL LOAD CAPACITORS.



Short SDA to GND to invoke TAS1020A internal firmware boot from USB.



USB_POWER_SENSE is typically 3.125V when USB VBUS is 5.0V (Assumes 0.5V Vf per diode.)
 USB_POWER_SENSE is guaranteed to be logic 1 for VBUS as low as 3.6V (based on max Vf=0.7V @ If<50uA, VIH=2.0V, 1x res)
 USB_POWER_SENSE is guaranteed to be logic 0 for VBUS as high as 1.6V (based on min Vf=0.3V @ If>5uA, VIL=0.8V, 1x res)

USB_POWER_SENSE is the same signal as the USB MCU active low reset.
 USB_POWER_SENSE guaranteed to be logic 0 any time +3.3V_USB is less than 3.0V.

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COMPANY:		LINE 6
TITLE:	P16-3: SPIDER LIVE MAIN PCB USB	
PROGRAM:	PADS LOGIC 2007.45.1	REV: A
DRAWN:	B. Schmanski/HHX	DATED: 22 JUNE 2011
CHECKED:	Review Board	DATED: 23 NOV 2009
PATH:	/P16/PCBs/P16-3/Main - 0364/Rev A/	
FILENAME:	P16-3 SpiderLive MAIN Rev A-01B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0364
		SHEET: 8 OF 10

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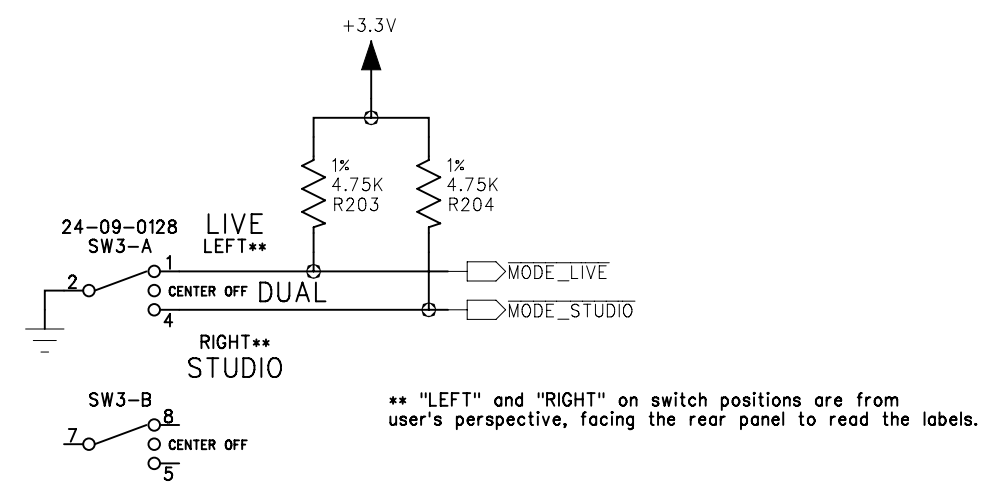
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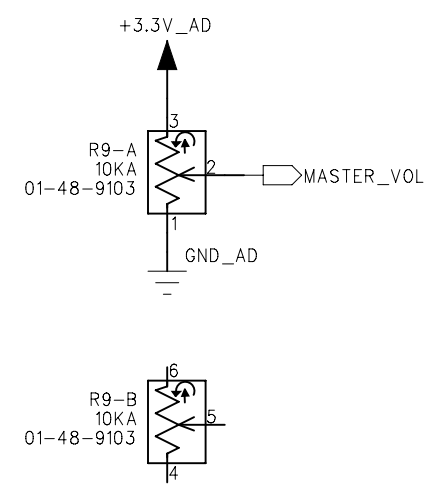
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ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
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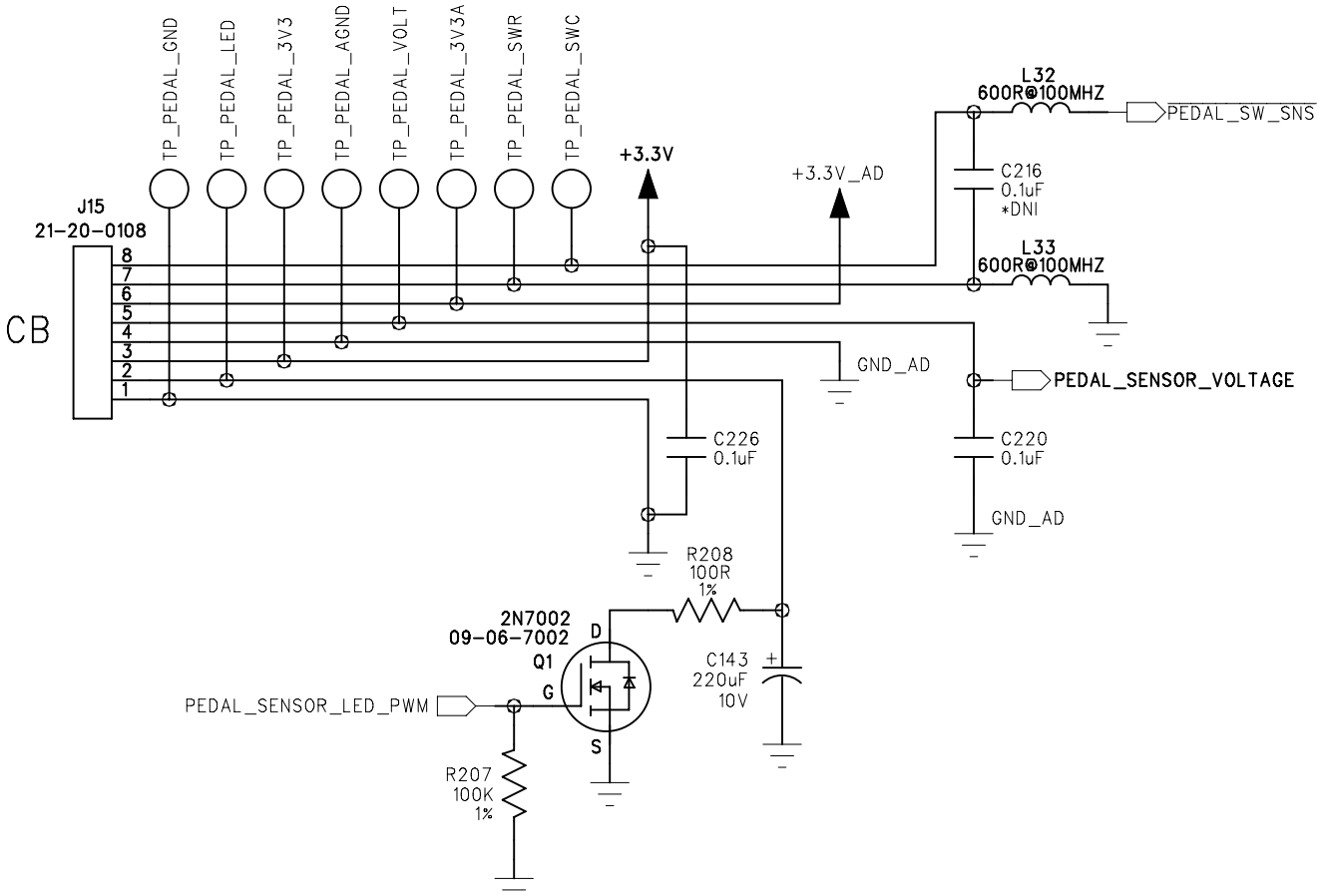
LIVE/DUAL/STUDIO MODE SWITCH



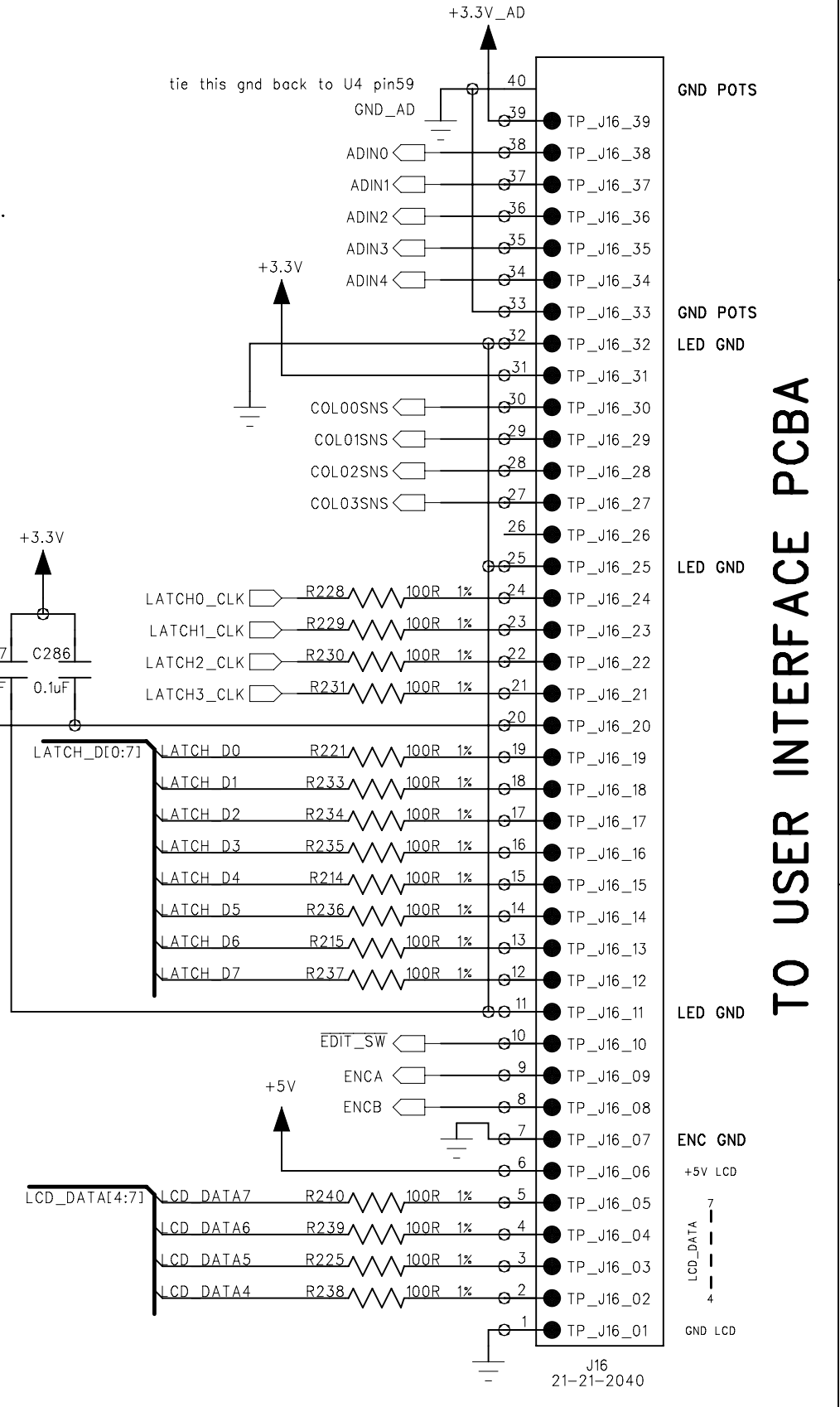
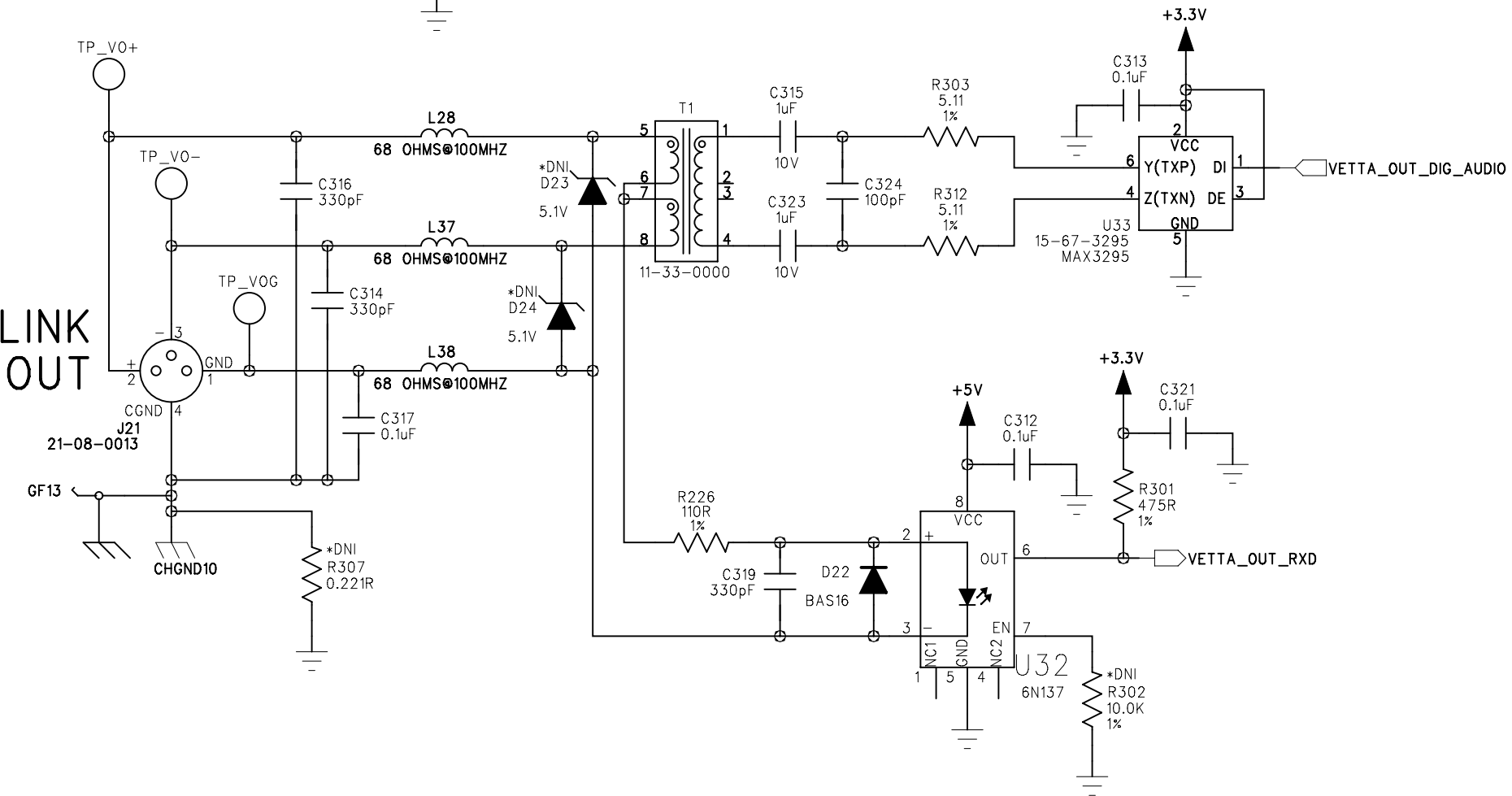
MASTER VOLUME CONTROL



PEDAL INTERFACE



L6 LINK OUT



TO USER INTERFACE PCBA

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COMPANY:	LINE 6	
TITLE:	P16-3: SPIDER LIVE MAIN PCB INTERFACE	
PROGRAM:	PADS LOGIC 2007.45.1	REV: A
DRAWN:	B. Schmanski/HHX	DATED: 22 JUNE 2011
CHECKED:	Review Board	DATED: 23 NOV 2009
PATH:	/P16/PCBs/P16-3/Main - 0364/Rev A/	
FILENAME:	P16-3 SpiderLive MAIN Rev A-01B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0364
		SHEET: 9 OF 10

DRAWN:	B. Schmanski/HHX
CHECKED:	Review Board
DATED:	22 JUNE 2011
DATED:	23 NOV 2009

A

B

C

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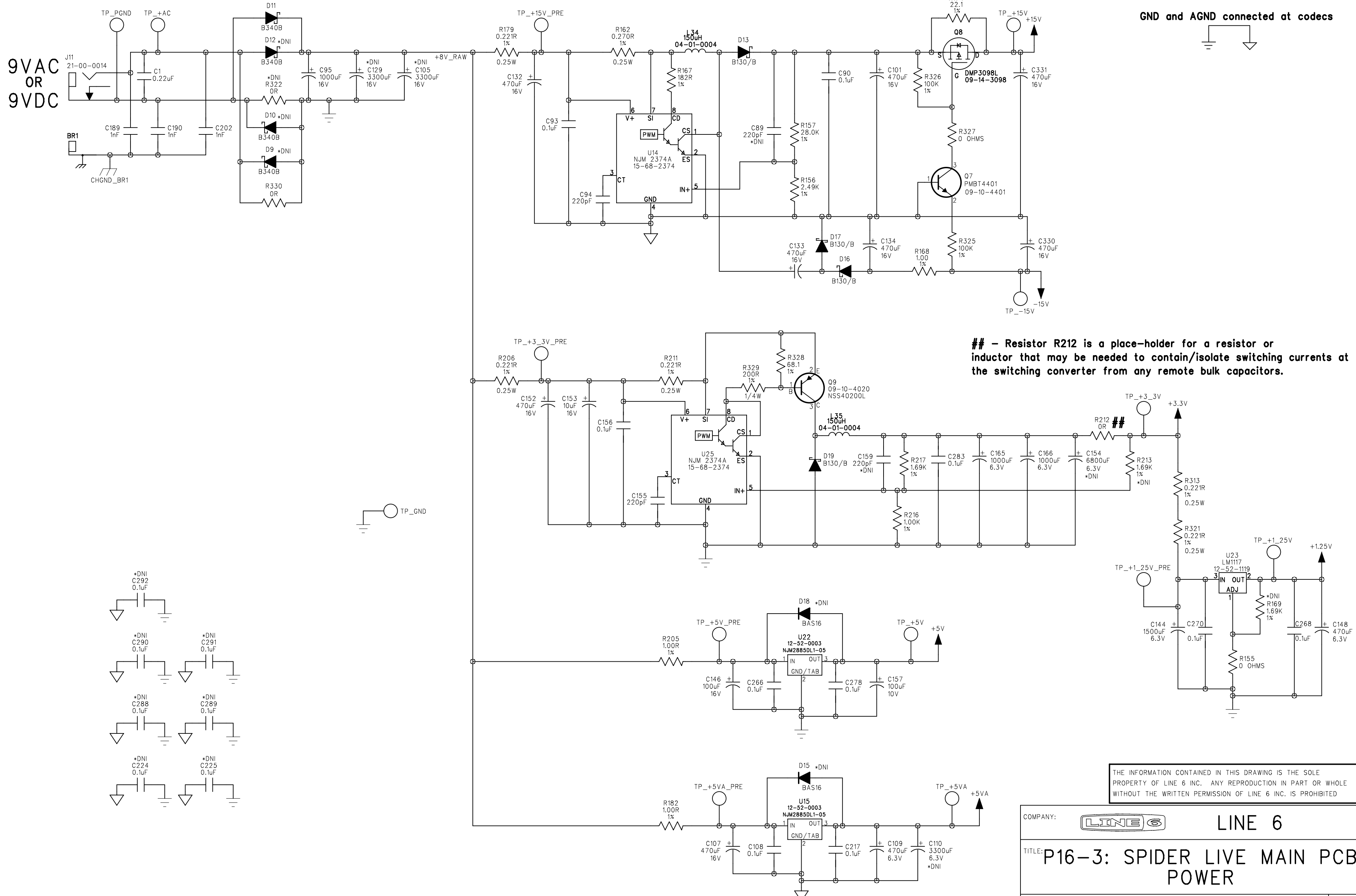
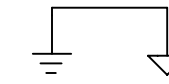
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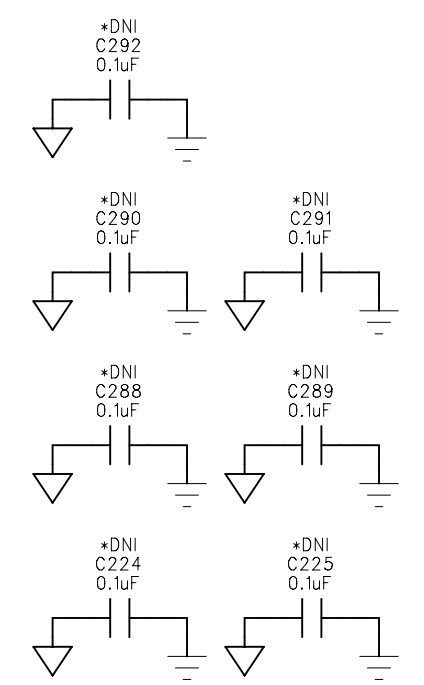
*DNI = DO NOT INSTALL

ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
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GND and AGND connected at codecs



- Resistor R212 is a place-holder for a resistor or inductor that may be needed to contain/isolate switching currents at the switching converter from any remote bulk capacitors.



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COMPANY:		LINE 6
TITLE:	P16-3: SPIDER LIVE MAIN PCB POWER	
PROGRAM:	PADS LOGIC 2007.45.1	REV: A
DRAWN:	B. Schmanski/HHX	DATED: 22 JUNE 2011
CHECKED:	Review Board	DATED: 23 NOV 2009
PATH:	/P16/PCBs/P16-3/Main - 0364/Rev A/	
FILENAME:	P16-3 SpiderLive MAIN Rev A-01B.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0364
		SHEET: 10 OF 10

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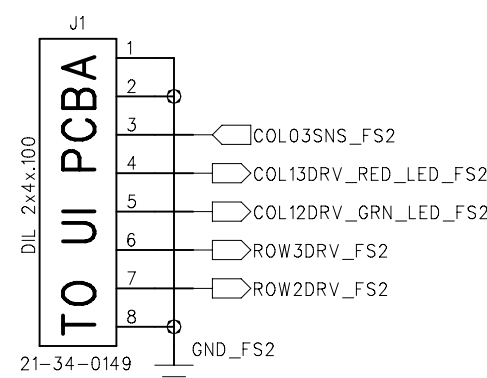
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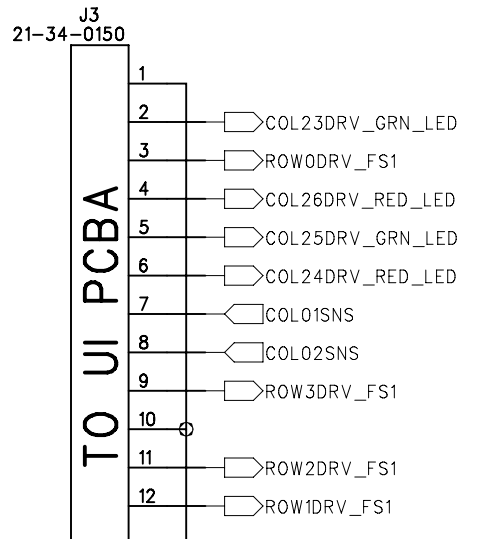
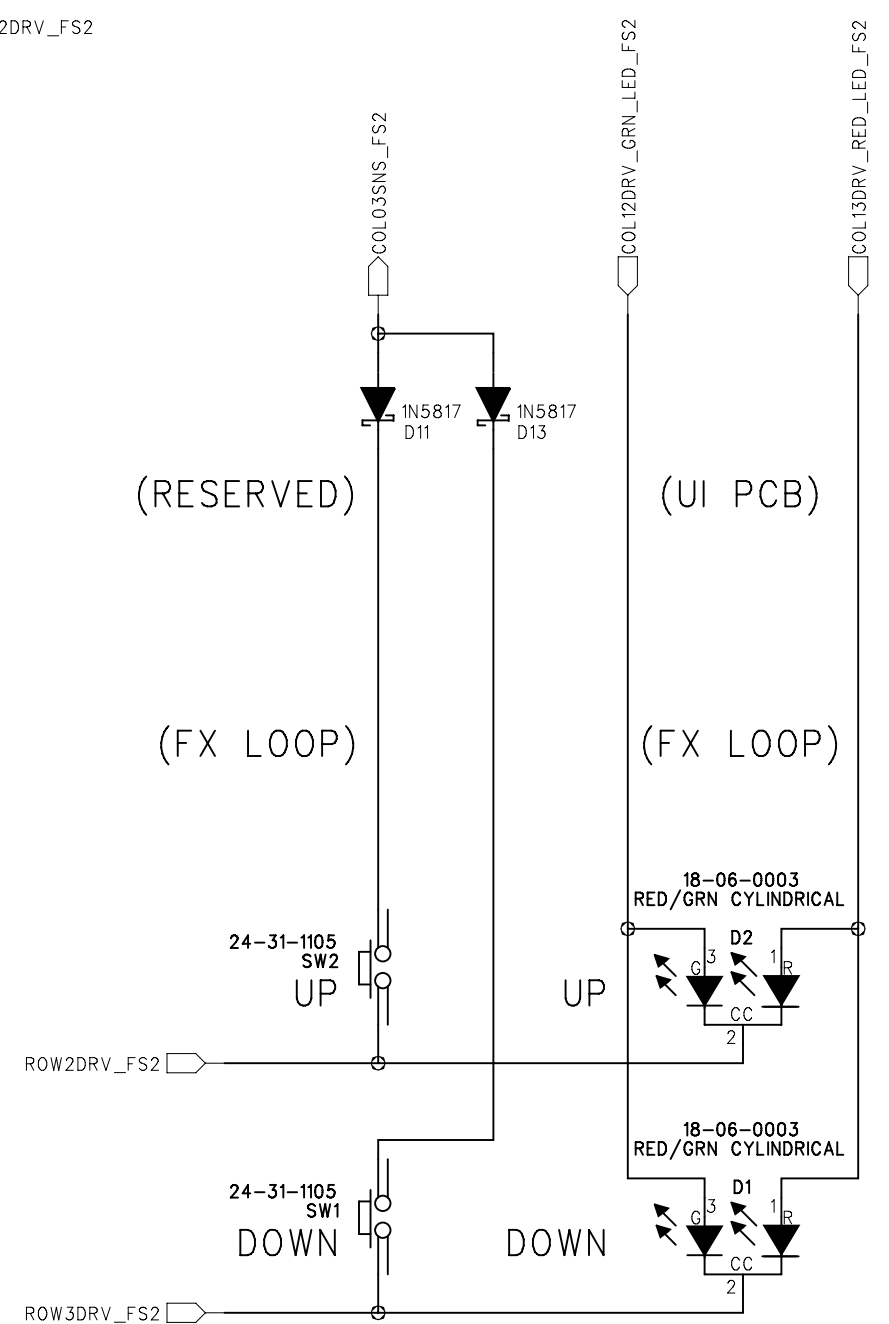
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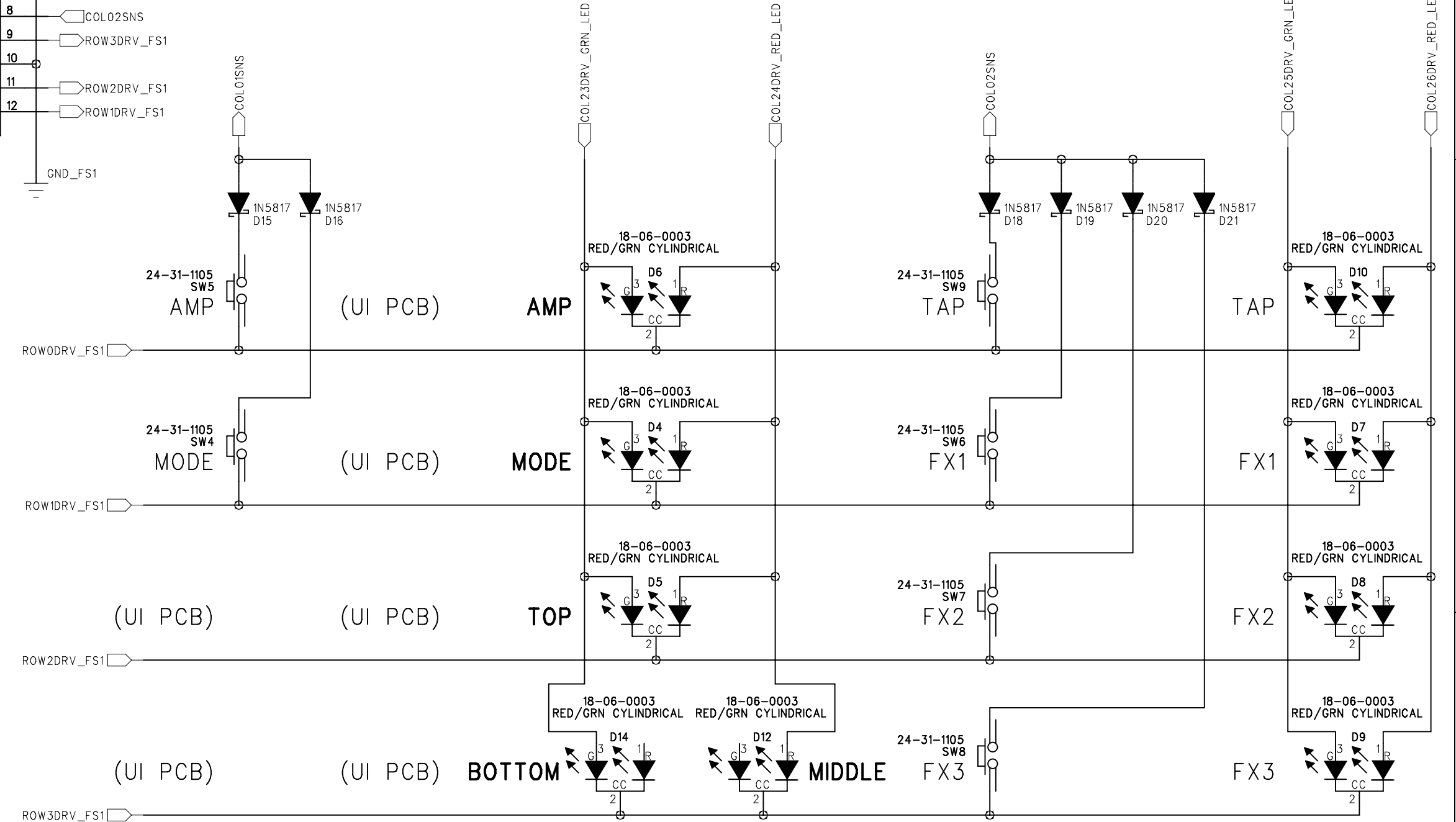
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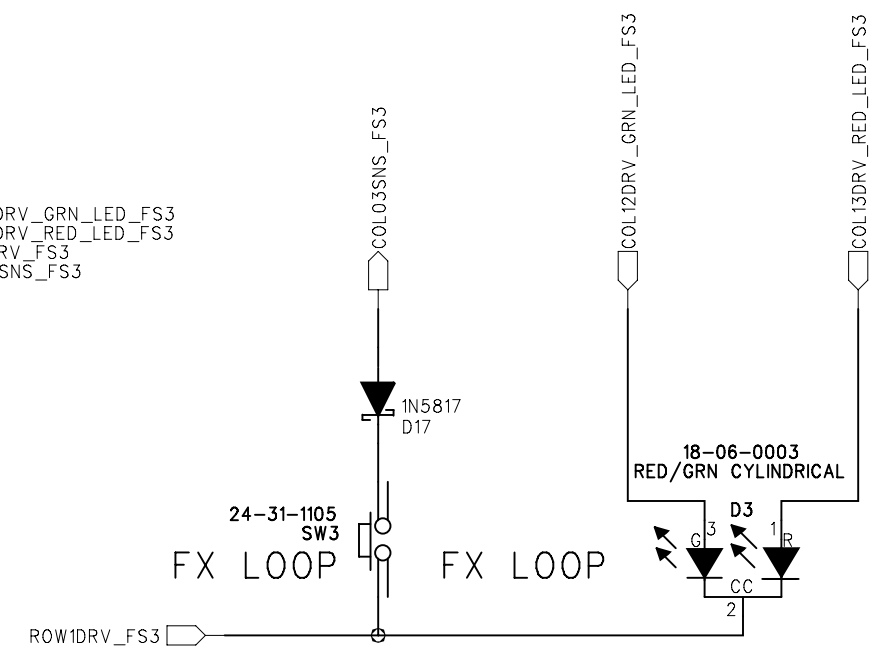
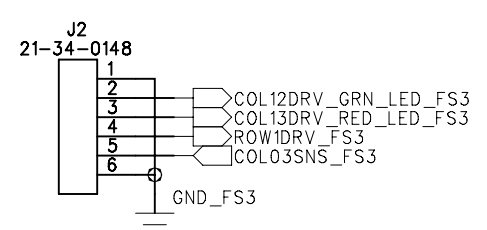
35-00-0367-1



35-00-0367-2



35-00-0367-3



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COMPANY:	LINE 6		REV:
TITLE:	P16-3: SPIDER LIVE PRO FOOTSWITCH		B
PROGRAM:	PADS LOGIC 2007.45.1		
DRAWN:	DATED:	PATH:	
B. Schmanski/HHX	22 JUNE 2011	/P16/PCBs/P16-3/Footswitch - 0367/Rev B/	
CHECKED:	DATED:	FILENAME:	
Review Board	23 NOV 2009	P16-3 SpiderLive Footswitch Rev B.sch	
SHEET SIZE:	C	PART NUMBER:	35-00-0367-1/-2/-3
		SHEET:	1 OF 1

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ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
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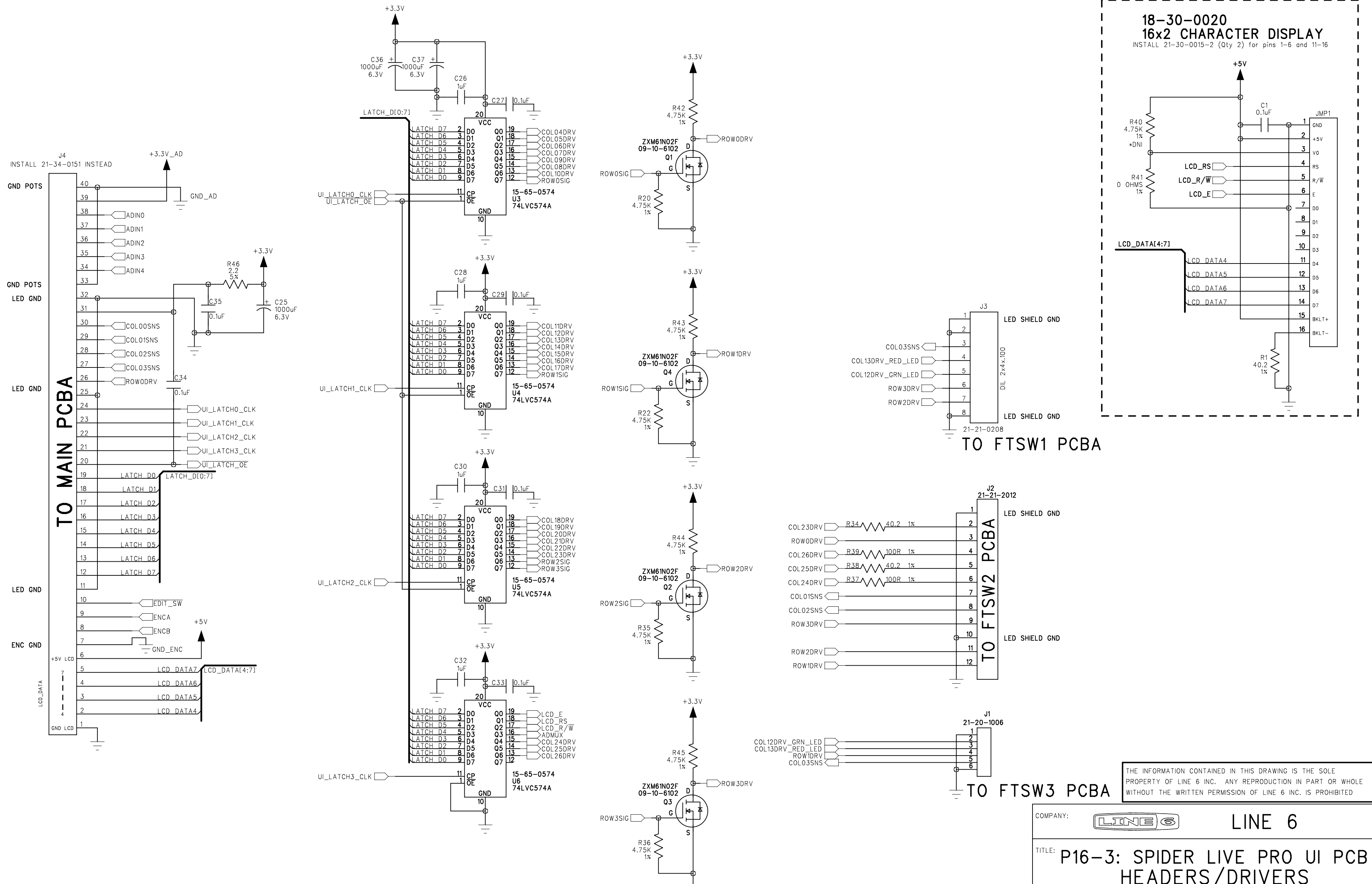
C

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A



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COMPANY:	LINE 6	
TITLE:	P16-3: SPIDER LIVE PRO UI PCB HEADERS/DRIVERS	
PROGRAM:	PADS LOGIC 2007.45.1	REV: A
DRAWN:	B. Schmanski/HHX	DATED: 22 JUNE 2011
CHECKED:	Review Board	DATED: 23 NOV 2009
PATH:	/P16/PCBs/P16-3/UI - 0370/Rev A/	
FILENAME:	P16-3 SpiderLive Pro UI REV A.sch	
SHEET SIZE:	C	PART NUMBER: 35-00-0370
		SHEET: 1 OF 3

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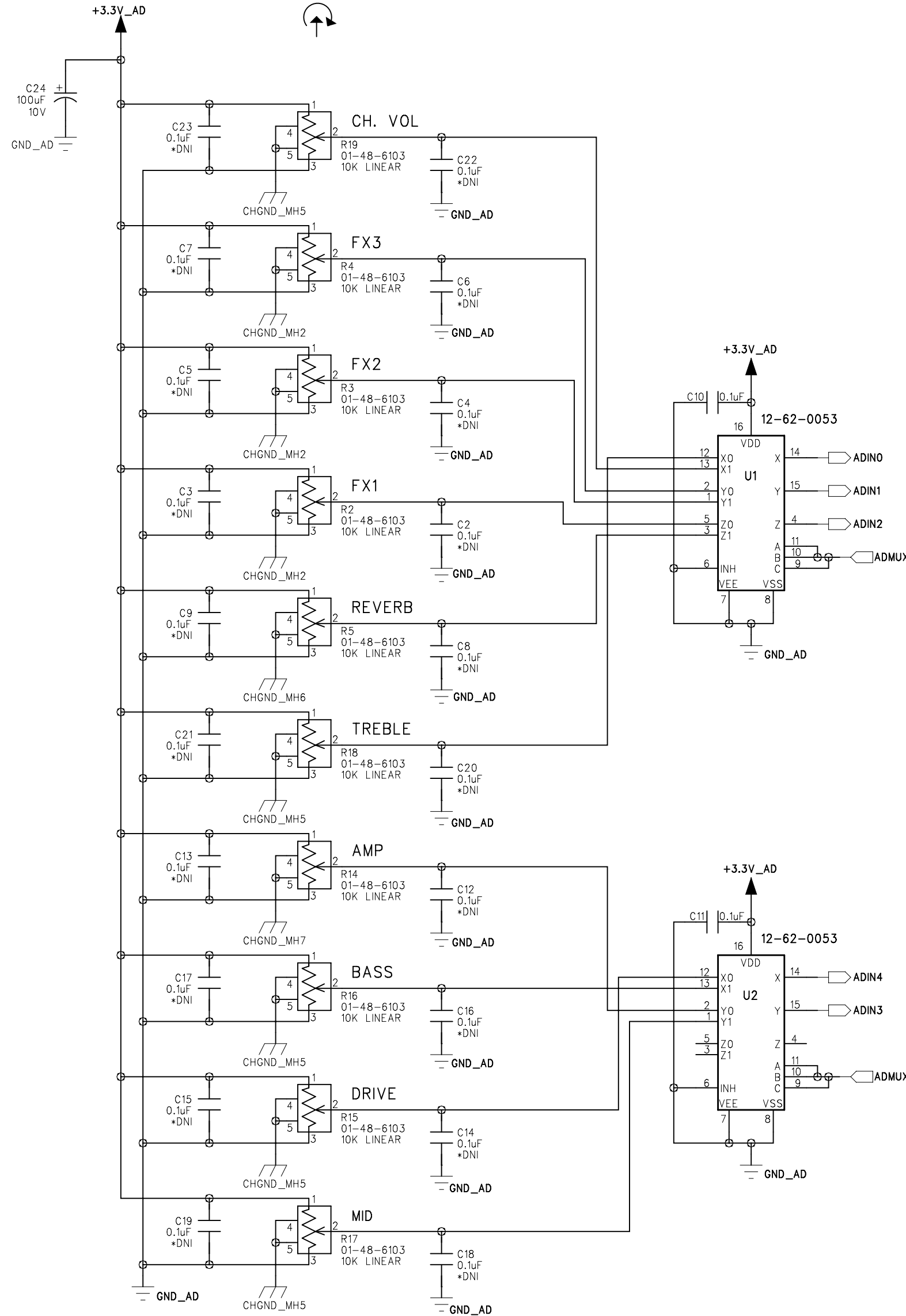
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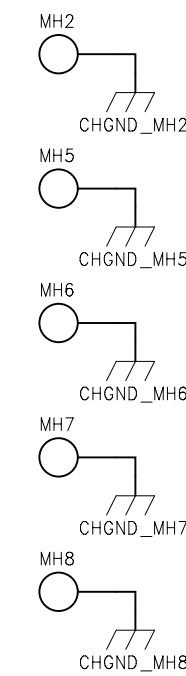
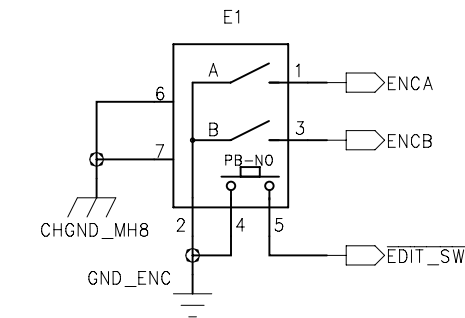
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
-	-	-
-	-	-

POTS

All Pots - Linear Taper



EDIT ENCODER



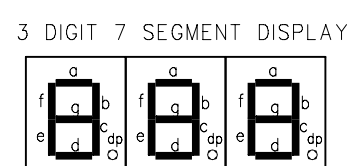
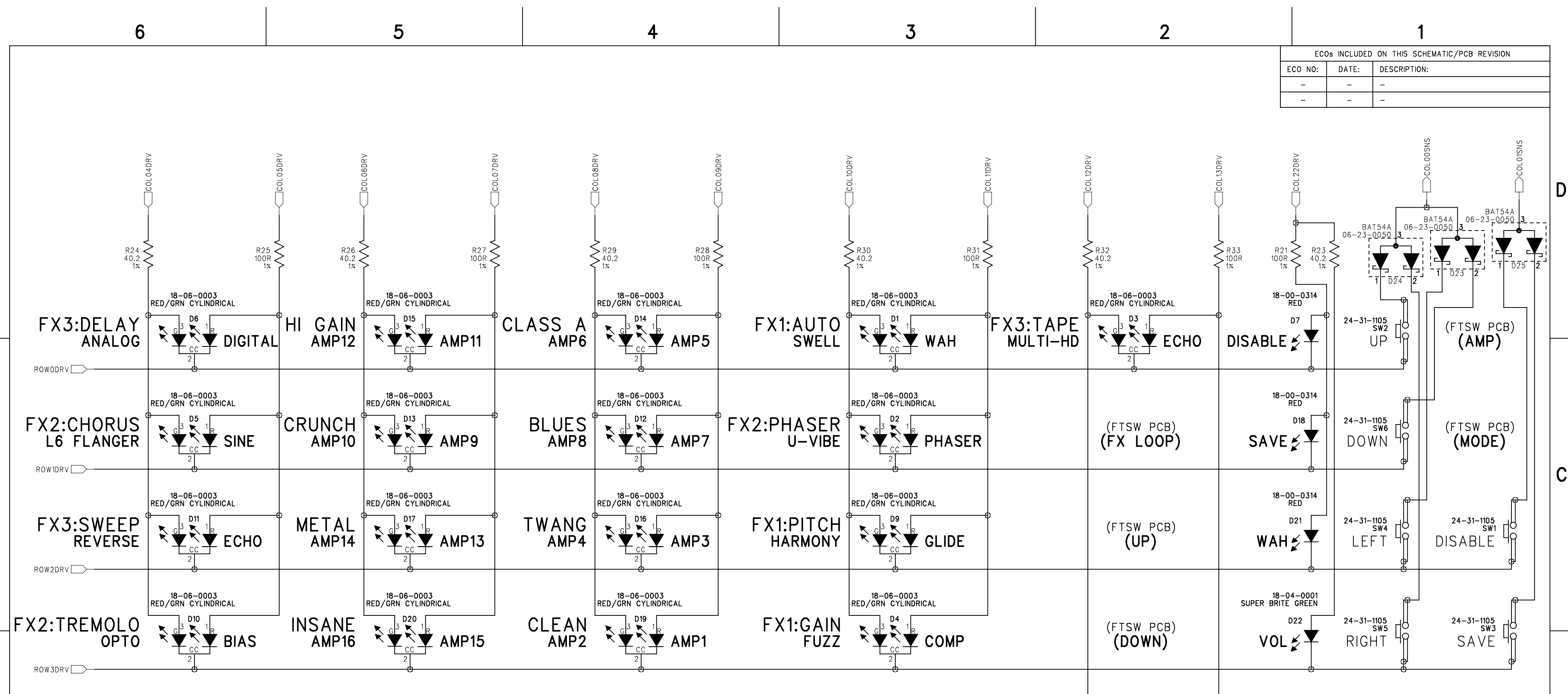
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY:	LINE 6
TITLE:	P16-3: SPIDER LIVE PRO UI PCB POTS/ENCODER
PROGRAM:	PADS LOGIC 2007.45.1
REV:	A

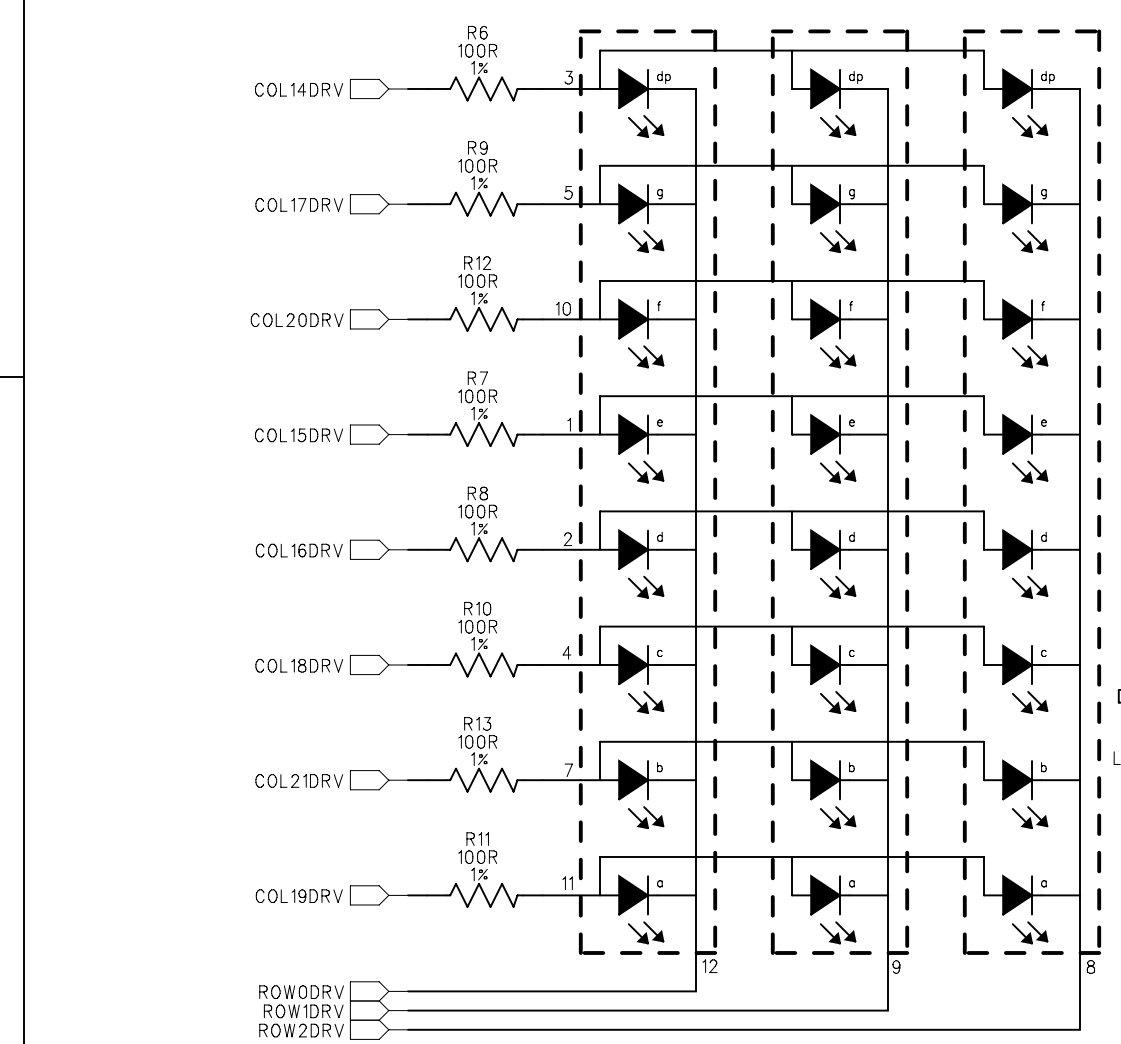
DRAWN:	DATED:
B. Schmanski/HHX	22 JUNE 2011
CHECKED:	DATED:
Review Board	23 NOV 2009

PATH:	/P16/PCBs/P16-3/UI - 0370/Rev A/
FILENAME:	P16-3 SpiderLive Pro UI REV A.sch
SHEET SIZE:	C
PART NUMBER:	35-00-0370
SHEET:	2 OF 3

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



SW MATRIX:				LED MATRIX:																							
ROW	COL00	COL01	COL02	COL03	COL04	COL05	COL06	COL07	COL08	COL09	COL10	COL11	COL12	COL13	COL14	COL15	COL16	COL17	COL18	COL19	COL20	COL21	COL22	COL23	COL24	COL25	COL26
ROW0	4W-UP	AMP	TAP	---	FX3:AD	FX3:DD	AMP12	AMP11	AMP6	AMP5	FX1:SWL	FX1:WAH	FX3:T	FX3:E	DP2	E2	D2	G2	C2	A2	F2	B2	DISABLE	AMP_G	AMP_R	TAP_G	TAP_R
ROW1	4W-DN	MODE	FX1	FX_LP	FX2:L6F	FX2:SIN	AMP10	AMP9	AMP8	AMP7	FX2:UVB	FX2:PZR	FXL_G	FXL_R	DP1	E1	D1	G1	C1	A1	F1	B1	SAVE	MODE_G	MODE_R	FX1_G	FX1_R
ROW2	4W-L	DISABLE	FX2	UP	FX3:RVS	FX3:EKO	AMP14	AMP13	AMP4	AMP3	FX1:HRM	FX1:GLD	UP_G	UP_R	DP0	E0	D0	G0	C0	A0	F0	B0	WAH	TOP_G	TOP_R	FX2_G	FX2_R
ROW3	4W-R	SAVE	FX3	DOWN	FX2:OPT	FX2:BLA	AMP16	AMP15	AMP2	AMP1	FX1:FZ	FX1:CMP	DN_G	DN_R	---	---	---	---	---	---	---	---	VOL	BOT_G	MID_R	FX3_G	FX3_R



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY: **LINE 6**

TITLE: **P16-3: SPIDER LIVE PRO UI PCB SWITCHES/LEDS**

PROGRAM: PADS LOGIC 2007.45.1

REV: **A**

PATH: /P16/PCBs/P16-3/UI - 0370/Rev A/
 FILENAME: P16-3 SpiderLive Pro UI REV A.sch

DRAWN: B. Schmanski/HHX
 CHECKED: Review Board

DATED: 22 JUNE 2011
 DATED: 23 NOV 2009

SHEET SIZE: C
 PART NUMBER: 35-00-0370
 SHEET: 3 OF 3

6

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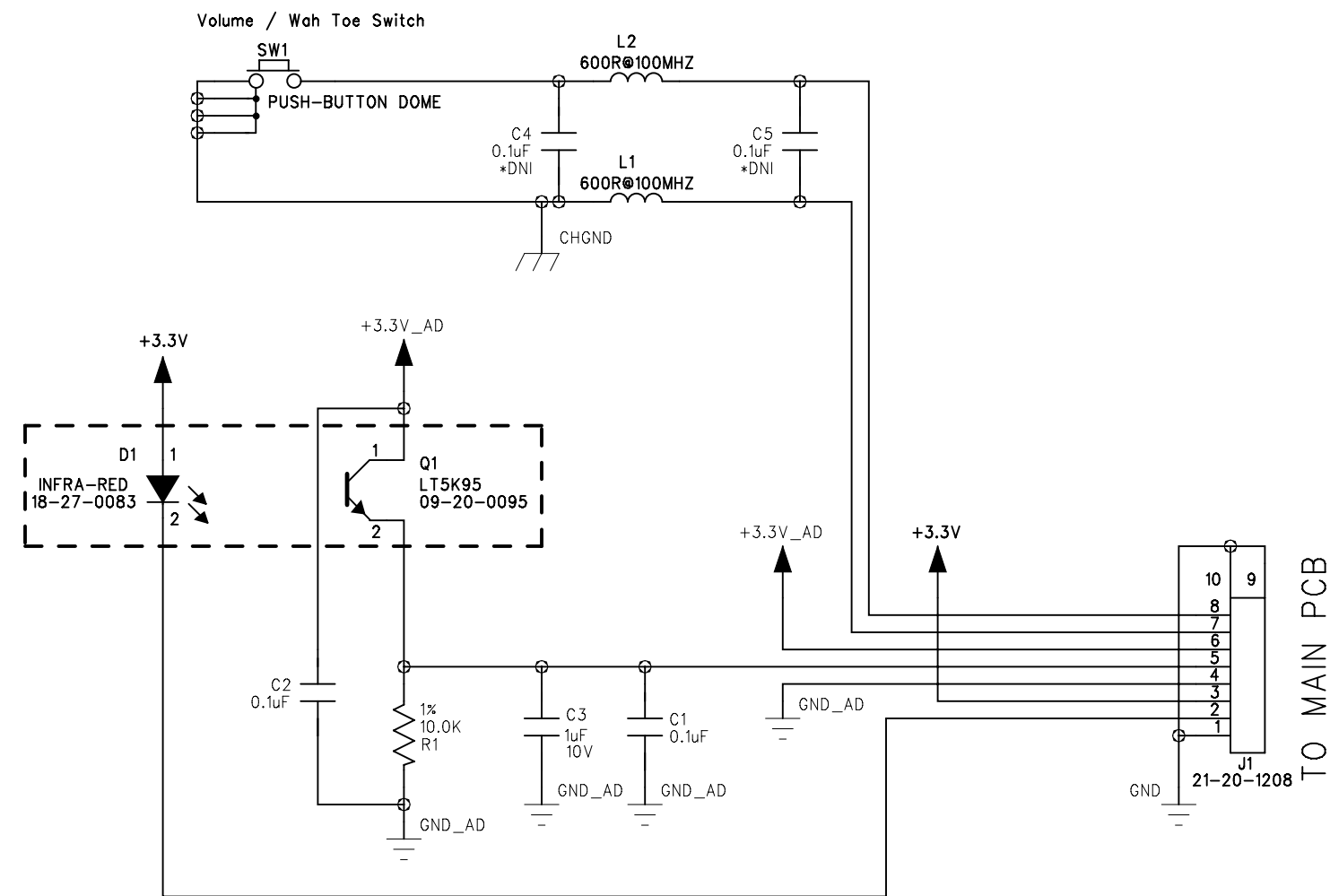
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ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
-	-	-
-	-	-



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LINE 6 INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF LINE 6 INC. IS PROHIBITED

COMPANY:  LINE 6		REV: A
TITLE: P16-3: SPIDER LIVE PRO PEDAL		
PROGRAM: PADS LOGIC 2007.45.1		SHEET: 1 OF 1
DRAWN: B. Schmanski/HHX	DATED: 22 JUNE 2011	
CHECKED: Review Board	DATED: 23 Sept 2009	
PATH: /P16/PCBs/P16-3/Pedal - 0369/Rev A/		PART NUMBER: 35-00-0369
FILENAME: P16-3 SpiderLive Pedal Rev A.sch		

DRAWN: B. Schmanski/HHX	DATED: 22 JUNE 2011
CHECKED: Review Board	DATED: 23 Sept 2009

D
C
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A

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99-060-1505 - P16-3 Pod HD400 US									
Level	Item	Part Number	Qty	UOM	Refdes	Find	Rev	Description	
1	1	11-30-8621	1				A	XFMR WALL 100-240VAC 50-60HZ 9VDC 3000MA DC-3G	
1	2	21-34-2007	1	EA			A	CBL USB W/FERRITE 2 METER HIGH SPEED BLACK	
1	3	40-00-0242	1				B	MANUAL USER SPIDER LIVE PRO P16-3	
1	4	40-00-0293	1	EA			C	INSERT MANUAL ADDENDUM POD HD300 HD400	
1	5	40-00-1000	1	EA			H	CARD WARRANTY LINE 6	
1	6	40-01-0016	1				D	CARD LICENSE-AGREEMNT END-USER ALL-PRODUCTS	
1	7	40-03-2000	1	EA			F	CARD REGISTRATION US	
1	8	40-03-2000-1	1	EA			A	CARD REGISTRATION EUROPE	
1	9	40-10-0318	1				A	CARTON GIFT SPIDER LIVE PRO P16-3	
1	10	40-10-0350	1				X0	CARTON SHIPPING P16-3 XXX	
1	11	40-15-0063	1				A	ENDCAP FOAM SHIPPING LEFT P16-3	
1	12	40-15-0064	1				A	ENDCAP FOAM SHIPPING RIGHT P16-3	
1	13	40-20-0022	1				A	BAG PLASTIC 2 MIL 36"x14"	
1	14	40-20-0070	1				A	BAG PLASTIC SHIPPING 9" x 12" 2-MIL	
1	15	40-25-0020	1	EA			A	LABEL INSPECTION QUALITY	
1	16	40-25-0024	1	EA			B	STICKER ART SEAL EULA	
1	17	40-25-0082	1				A	LABEL ROUND 1.75" TRANSPARENT	
1	18	40-25-0233	1				C	LABEL MASTER CARTON MATTE WHITE	
1	19	40-25-0319	1	EA			A	SHIPPING CARTON COMPLIANCE STICKER	
1	20	40-30-0013	1				A	LABEL SERIAL NUMBER/ PART NUMBER STANDARD MATTE WHITE	
1	21	59-00-0059	1				E	ASSY UNIT-COMPLETE SPIDER LIVE PRO P16-3	
2	1	21-30-0062	1				X1	CABLE RIBBON 8 COND PITCH 2MM LENGTH 70MM 26 AWG PEDAL PCBA TO MAIN PCBA P16-2	
2	2	30-00-0013	8				A	SCREW 6-32 UNC x 0.250" PAN-HD STEEL BLACK-OXIDE	
2	3	30-00-0042	6	EA				SCREW SHEET METAL 4 x 0.375 IN SELF-TAP PPB	
2	4	30-00-0043	16	EA			A	SCREW 6-32 X 5/16 LG WITH LOCK WASHER PHIL PAN ZINC-PLATED STEEL	
2	5	30-00-0062	2	EA			A	SCREW 10-32 x 3/8-IN w/CAPTIVE WASHER PPZ	
2	6	30-00-0192	3	EA			X1	SCREW 6-32 X .75"LG SHCS NICKEL PL	
2	7	30-00-0405	6					SCREW 6-32 x .50" SHCS NICKEL PL P11-1	
2	8	30-00-0606	1					SCREW 6-32 x 7/16 w/LK WASHER STL PPB	
2	9	30-06-0021	3				X0	NUT THREAD STANDOFF 6-32UNC THREAD 0.335IN HIGH STEEL ZINC PLATING X4 SPIDER LIVE MID & PRO REV-X0	
2	10	30-06-0022	3				X0	NUT HEX 6-32 UNC 0.25" X 0.09" STEEL ZINC	
2	11	30-06-0623	6					NUT HEX 6-32 w/CAPTIVE STAR-WASHER	
2	12	30-15-0004	9	EA			A	SPACER .13 THICK x .63OD NYLON	
2	13	30-15-4024	3	EA			C	DUAL LOCKING PCBA SUPPORT 14.3MM P16-3	
2	14	30-21-0004	1				A	STRAIN RELIEF CABLE 3/8 x 0.5" NYLON BLACK	
2	15	30-27-0059	5	EA				LENS LED .19" DIA x .29" HT PLASTIC CLEAR SNAP IN	
2	16	30-27-0217-1	1				G	BUTTON 4 WAY TOP .8 DIA x .4 HT ABS NO PLTG	
2	17	30-27-0218	1	EA			A	BUTTON 4 WAY BOTTOM .8 DIA x 0.5 HT ABS	
2	18	30-27-0221	1	EA			B	4-WAY SW PIVOT PIN .37 x .200 DIA NYLON 6/6 WHITE	
2	19	30-27-0459	1	EA			X2	BEZEL LCD DISPLAY PC 3.04 X 1.05 X 0.11 INCH P16-3	
2	20	30-27-0461	1	EA			A	FRAME 4-WAY SWITCH OD 1.035 X 0.62 INCH P16-3	
2	21	30-27-0463	2	EA			A	BUTTON 0.93 X 0.66 X 0.48 INCH ABS P16-3	
2	22	30-45-0032	10				X1	KNOB SMALL 0.4INCH ABS BLACK P16-2 -3	
2	23	30-45-0033	1				A	KNOB SMALL 0.4INCH ABS BLACK W/O INDICATOR P16-2 -3	
2	24	30-48-5012	8	EA				BUMPER RUBBER .465" OD BLACK	
2	25	30-51-0470	1	EA			A	CHASSIS TOP CHASSIS AISI 1008 OR EQUIV POWER COAT BLACK 20.34 INCH 1.46 INCH 9.2 INCH	
3	1	41-00-0277	0	EA			I	ARTWORK SILKSCREEN CHASSIS TOP REAR SPIDER LIVE PRO	
2	26	30-51-0471	1	EA			A	CHASSIS BOTTOM CHASSIS AISI 1008 1.0MM THK STEEL OR EQUIV POWER COAT BLACK 20.27 INCH 1.46 INCH 9.2 INCH	
3	1	41-00-0280	0	EA			C		
2	27	30-51-0472	1	EA			A	SUPPORT CORRUGATED SEEC 1.0MM 7.1 X 0.9 X 1.18 MM P16-3	
2	28	30-51-0491	1	EA			A	GUARD KNOB STEEL CHROME PLATED 8.867 INCH 1.06 INCH P16	
2	29	30-63-0002	1	EA			A	FOAM STRIP VOLARAPOLYOLEFIN 7.25x.37x.062" SELF ADHSV BLK	
2	30	30-63-0028	1	EA			A	FOAM RING 4-WAY SW RET PU .75 OD x .40 ID x .18 HT BLK	
2	31	30-63-0053	2				A	FOAM 98MM 7MM 0.5MM FOAM	

2	32	30-63-0067	1			A	FOAM 70MM X 48MM X 1.5MM FOAM WITH 3M 468 ADHESIVE	
2	33	30-75-0026	1			A	PAD RUBBER PEDAL HOLE 2.7 x 1.3 x .06 BLACK X1-1	
2	34	35-00-0369-2	1			A	PCB PEDAL REINFORCEMENT P16-3	
2	35	40-30-0013	1	EA		A	LABEL SERIAL NUMBER/ PART NUMBER STANDARD MATTE WHITE	
2	36	50-02-0364	1			A	PCBA MAIN P16-3	
3	1	01-24-0000	11		L1,L11- L12,L16,L18,L20,L22,L24,L26,R2 12,R330		RES OR 1% 0805	
3	2	01-24-1R00	1		R168		RES 1.0R 1% 0805	
3	3	01-25-0000	9		C178,R135,R139,R155,R166,R2 32,R279,R309,R327		RES OR 1% 0603	
3	4	01-25-01R0	7		R2,R15,R182,R205,R210,R278, R314	A	RES 1.0R 1% 0603	
3	5	01-25-1000	17		R208,R214- R215,R221,R225,R228- R231,R233-R240		RES 100R 1% 0603	
3	6	01-25-1001	18		R36,R70,R102-R103,R113- R114,R145- R146,R153,R158,R216,R280,R2 83-R285,R305,R308,R324		RES 1.00K 1% 0603	
3	7	01-25-1002	41		R6,R14,R19-R20,R25-R26,R28- R29,R34,R37,R43- R44,R53,R64,R77,R79,R91,R98- R99,R105-R106,R109- R110,R117,R121,R133,R141,R1 64,R189,R191,R193,R195,R197, R199,R260-R261,R276- R277,R281,R311,R317		RES 10.0K 1% 0603	
3	8	01-25-1003	20		R5,R17,R22,R27,R32- R33,R41,R92,R160,R163,R207, R290-R295,R320,R325-R326		RES 100K 1% 0603	
3	9	01-25-1004	3		R47,R71,R202	A	RES 1.00M 1% 0603	
3	10	01-25-10R0	3		R1,R245-R246	A	RES 10.0R 1% 0603	
3	11	01-25-1100	1		R226		RES 110R 1% 0603	
3	12	01-25-1183	1		R286	A	RES 118K 1% 0603	
3	13	01-25-1244	1		R288		RES 1.24M 1% 0603	
3	14	01-25-1302	4		R23,R30,R123,R125		RES 13.0K 1% 0603	
3	15	01-25-1501	15		R13,R75,R81,R87,R93- R96,R101,R112,R118,R128- R129,R177,R181	A	RES 1.50K 1% 0603	
3	16	01-25-1502	11		R46,R60,R65,R74,R78,R89,R12 6,R130,R138,R175-R176		RES 15.0K 1% 0603	
3	17	01-25-1691	2		R82,R217	A	RES 1.69K 1% 0603	
3	18	01-25-1820	1		R167	A	RES 182R 1% 0603	
3	19	01-25-2001	9		R16,R31,R107,R122,R127,R137, R140,R161,R319	A	RES 2.00K 1% 0603	
3	20	01-25-2051	12		R42,R45,R52,R61,R76,R80,R83, R97,R100,R108,R111,R131	A	RES 2.05K 1% 0603	
3	21	01-25-2212	1		R323	A	RES 22.1K 1% 0603	
3	22	01-25-2213	1		R287	A	RES 221K 1% 0603	
3	23	01-25-22R1	9		R11-R12,R38,R73,R174,R185- R186,R315-R316	A	RES 22.1R 1% 0603	
3	24	01-25-2491	5		R7-R8,R67-R68,R156	A	RES 2.49K 1% 0603	
3	25	01-25-2802	1		R157	A	RES 28.0K 1% 0603	
3	26	01-25-3011	10		R35,R84- R85,R90,R115,R119,R154,R159, R306,R310	A	RES 3.01K 1% 0603	
3	27	01-25-3091	2		R18,R88	A	RES 3.09K 1% 0603	
3	28	01-25-3240	4		R49-R50,R55-R56	A	RES 324R 1% 0603	
3	29	01-25-4750	1		R301		RES 475R 1% 0603	

3	30	1-25-4750	42	R62-R63,R120,R136,R183-R184,R200-R201,R203-R204,R218-R220,R222-R224,R227,R241-R244,R247,R250-R259,R262-R271			RES 4.75K 1% 0603
3	31	01-25-47R5	10	R39-R40,R58-R59,R72,R86,R132,R134,R187,R249			RES 47.5R 1% 0603
3	32	01-25-4872	1	R282		A	RES 48.7K 1% 0603
3	33	01-25-4994	1	R104			RES 4.99M 1% 0603
3	34	01-25-5R11	5	R190,R194,R198,R303,R312			RES 5.11R 1% 0603
3	35	01-25-6191	4	R48,R51,R54,R57			RES 6.19K 1% 0603
3	36	01-25-68R1	16	R147-R152,R165,R170-R173,R178,R188,R196,R304,R328			RES 68.1R 1% 0603
3	37	01-25-6982	1	R289		A	RES 69.8K 1% 0603
3	38	01-25-8250	4	R3-R4,R66,R69			RES 825 1% 0603
3	39	01-25-2000	1	R329			RES 200R 1% 1206
3	40	01-28-R221	5	R179,R206,R211,R313,R321			RES 0.22R 1% 1206
3	41	01-28-R270	1	R162			RES 0.270R 1% 1206
3	42	01-48-9103	1	R9			POT DUAL 10KA AUDIO TAPER HORIZ MT 25MM RND PLASTIC
3	43	03-12-0108	1	C95			CAP ELEC 1000uF 16V 20% RADIAL 10/16/5
3	44	03-36-0224	1	C1			CAP ESTR 0.22uF 50V 5% TH 11/6/11.5/7.5
3	45	03-44-0331	2	C314,C316		A	CAP NPO 330PF 1000V 5% 1206
3	46	03-46-1104	1	C317		A	CAP X7R .1UF 500V 10% 1812
3	47	03-50-0182	10	C28,C33,C48,C58,C62,C67,C103,C128,C335-C336			CAP NPO 1800pF 50V 5% 0805
3	48	03-50-0562	12	C13,C16,C37,C47,C50,C57,C59,C66,C68,C71,C82-C83			CAP NPO 5.6nF 50V 10% 0805
3	49	03-56-0101	13	C4-C5,C18,C168,C170,C180,C195-C196,C198-C199,C310-C311,C324			CAP NPO 100pF 50V 5% 0603
3	50	03-56-0102	1	C14			CAP NPO 1nF 50V 5% 0603
3	51	03-56-0180	8	C42,C61,C135,C142,C203-C204,C272,C276			CAP NPO 18pF 50V 5% 0603
3	52	03-56-0221	2	C94,C155			CAP NPO 220pF 50V 5% 0603
3	53	03-56-0331	1	C319			CAP NPO 330pF 50V 5% 0603
3	54	03-56-0471	4	EA C184,C186-C187,C191		A	CAP NPO 470pF 50V 5% 0603
3	55	03-56-0680	12	C15,C19,C32,C38-C40,C43,C51,C65,C72-C73,C77			CAP NPO 68pF 50V 5% 0603
3	56	03-57-0105	20	C7,C10,C86,C98,C100,C116,C123,C125,C127,C139-C141,C151,C218,C221,C261,C263,C299,C315,C323			CAP X5R 1uF 10V 10% 0603
3	57	03-58-0102	28	C145,C176-C177,C183,C185,C188-C190,C193-C194,C197,C202,C227,C234,C240,C245,C250,C254,C256,C264-C265,C297-C298,C302,C337-C340			CAP X7R 1nF 50V 10% 0603
3	58	03-58-0103	18	C149-C150,C161-C162,C219,C228,C231-C232,C239,C244,C246,C248,C258,C260,C262,C295-C296,C301			CAP X7R 10nF 50V 10% 0603

3	59	03-58-0104	123	C2,C6,C12,C20,C25,C27,C29-C31,C34-C36,C41,C44-C45,C52-C54,C60,C63-C64,C74-C75,C90,C93,C99,C108,C113-C115,C117-C118,C121-C122,C124,C126,C130-C131,C136-C138,C147,C156,C158,C160,C167,C169,C171-C175,C179,C181-C182,C201,C205-C215,C217,C220,C222-C223,C226,C229-C230,C233,C235-C238,C241-C243,C247,C249,C251-C253,C255,C257,C259,C266-C271,C273-C275,C277-C287,C293-C294,C300,C304-C305,C308-C309,C312-C313,C318,C321,C325-C326			CAP X7R 0.1uF 25V 10% 0603
3	60	03-80-0107	7	C84,C87-C88,C104,C157,C303,C327			CAP ELEC 100uF 10V 20% SM 6.3/5.4/7.8
3	61	03-80-0108	3	C96,C165-C166			CAP ELEC 1000uF 6.3V 20% SM 10/10.2/12
3	62	03-80-0158	2	C144,C341			CAP ELEC 1500UF 6.3V 20% 105C LOW-ESR 0.06R SM 10/10.2/12
3	63	03-80-0227	1	C143			CAP ELEC 220uF 10V 20% SM 8/6.2/9.5
3	64	03-80-1476	6	C85,C97,C102,C106,C163-C164			CAP ELEC 47uF 6.3V 20% SM 5.5/4/5.4
3	65	03-80-1477	2	C109,C148			CAP ELEC 470uF 6.3V 20% VS SM
3	66	03-82-0106	22	C8-C9,C17,C21-C24,C26,C55,C78-C81,C91-C92,C119-C120,C153,C192,C306-C307,C334			CAP ELEC 10uF 16V 20% SM 4/5.4/5.5
3	67	03-82-0107	5	C111-C112,C146,C328-C329			CAP ELEC 100uF 16V 20% VS SM
3	68	03-82-0477	8	C101,C107,C132-C134,C152,C330-C331			CAP ELEC 470uF 16V 20% SM 10/10.2/12
3	69	04-01-0004	2	L34-L35			INDUCTOR CHOKE 150uH 0.4R 1A SM SHIELDED
3	70	04-05-0013	3	L28,L37-L38			FERRITE BEAD 68R @ 100MHZ 300MA 0603 SM
3	71	06-20-0099	9	D1-D8,D20			DIODE GEN PUR DUAL 70V 215mA 6nS SOT-23 SM
3	72	06-23-0054	3	D14,D27,D31			DIODE SCHOTTKY DUAL 30V 200mA 5nS SOT-23 SM
3	73	06-32-0130	4	D13,D16-D17,D19			DIODE SCHOTTKY 1A 30V SMB SM
3	74	06-32-0340	1	D11			DIODE SCHOTTKY 3A 40V SMB SM
3	75	06-34-0016	1	D22			DIODE SWITCHING 75V 200mA 6nS SOT-23 SM
3	76	09-6-7002	1	Q1			TRANS MOSFET N-CHAN 60V 7R5 SOT-23 SM
3	77	09-10-4020	1	Q9			TRANS BIPOLAR POWER PNP -2A -40VDC SOT-23 SMD
3	78	09-10-4401	4	Q4-Q7			TRANS NPN SMALL SIGNAL SOT-23 SM
3	79	09-14-3098	1	Q8			TRANS MOSFET P-CHAN 30V 3.8A SOT-23 SMD
3	80	11-00-0012	1	X3			CRYSTAL 12MHz SM HC49 FOXSDLF
3	81	11-00-1003	1	X2			CRYSTAL 24.576MHz HC49S 2PIN SM
3	82	11-00-6018	1	X1			CRYSTAL 6MHz HC49U SM
3	83	11-10-2012	22	L2-L4,L6-L10,L13-L15,L17,L19,L21,L23,L25,L27,L29-L30,L32-L33,L36			FERRITE BEAD 600R @ 100MHz 300 mA 0805 SM
3	84	11-33-0000	1	T1			XFMR AUDIO DIGITAL X-MISSION 1:1 W/ CENTER-TAP
3	85	12-52-0002	1	U1	A		IC REG LINEAR LDO 3.3V 150mA S M
3	86	12-52-0003	2	U15,U22	A		IC REG LINEAR LDO +5V 500mA SM
3	87	12-52-1119	1	U23	A		IC VREG LINEAR LDO ADJ 800MA LM1117 DPAK TO-252 SMD
3	88	12-54-0072	3	U8-U9,U12			IC OP AMP DUAL TL072 SM
3	89	12-54-0074	5	U2,U4,U7,U10,U13			IC OP AMP TL074 SM
3	90	12-62-4051	1	U31			IC SWITCH ANALOG 8-CHAN TSSOP-16 SM
3	91	12-64-4272	3	U16-U18			IC STEREO AUDIO CODEC 24 BIT 192 KHz CS4272 SM
3	92	15-40-6137	1	U32			IC OPTO ISOLATOR 6N137 10MBIT DIP 8-PIN TH
3	93	15-52-0541	1	U26	A		IC 74LVCS41A LOW VOLT OCTAL BU FFER/DRIVER SOIC-20 SM
3	94	15-65-0138	1	U30			IC 74LVC138 DECODER/DEMUX 3-8 LINE SO-16 SM

3	95	15-65-0574	1		U29		IC 74LVCS74A OCTAL D-TYPE FLIP FLOP 5V EDGE TRIGGER SO20 SM	
3	96	15-67-3295	1		U33	A	IC RS-485/422 LINE DRIVER 3.3V SOT-23-6 SM	
3	97	15-68-1020	1		U3		IC CONTROLLER USB STREAMING SM	
3	98	15-68-2374	2		U14,U25		IC PWM DC/DC CONVERTER DMP8 SM	
3	99	15-70-0005	2		U21,U28		IC SDRAM 3.3V 64MB 1M x 16 x 4 EM638165TS-7G TSOP-54 SM	
3	100	15-78-4128	1		U11		IC EEPROM 128K 2.5V 400KHz SOI C-8 SM	
3	101	15-86-2369	1		U19		IC DSP SHARC PROCESSOR 32 BIT ADSP-21369 LQFP208EP SM	
3	102	15-92-5809	2		U27,U34		IC RESET 3 PIN 3.3V ACTIVE LOW OUTPUT SOT-23 SM	
3	103	15-98-0000	1		R180	A	IC POT DIGITAL NON-VOL DUAL 10K SPI 2.7-5.5V 7BIT 129 14TSSOP SM	
3	104	21-00-0014	1		J11		JACK BARREL PCB MT 2.5MM DC POWER 3 PIN TH	
3	105	21-00-6617	9		J1-J7,J9-J10		JACK 1/4" TRS PCB MOUNT 6 PIN HORIZONTAL W/CHROME HARDWARE TH	
3	106	21-08-0013	3		J13-J14,J21		JACK XLR MALE PCB MOUNT RIGHT ANGLE TH	
3	107	21-12-0035	1		J8		JACK 3.5MM STEREO 5 PIN CRIMPED LEADS NON-THREADED	
3	108	21-18-0002	1		BR1		TERMINAL SCREW PCB MOUNT RIGHT ANGLE SNAP-IN 6-32 THREAD	
3	109	21-20-0108	1		J15		HDR SIL PCB-MT 8 PIN 1 x 8 x 2MM MALE SHRD RA MT TH	
3	110	21-21-0001	1		J12		JACK USB SERIES B SHIELDED PCB MNT BLACK	
3	111	21-21-2040	1		J16		HDR DIL PCB-MT 40 PIN 2 X 20 X .100 MALE SHRD RT ANG	
3	112	24-09-0010	1		SW4		SWITCH SLIDE 4 POLE DOUBLE THROW. 3.0 MM 12 TH PCB MOUNT P16-3 P18-1	
3	113	24-09-0128	1		SW3		SWITCH SLIDE DPDT ON/OPEN/ON RIGHT ANGLE PCB MNT	
3	114	24-09-0222	2		SW1-SW2		SWITCH SLIDE DPDT 4.5MM SHAFT HORIZONTAL MNT	
3	115	30-18-3030	13		GF2-GF14		CLIP GROUND PCB .30 x .30 x .07	
3	116	30-51-0458	2		SH2-SH3	C	SHIELD INPUT JACK COPPER NICKEL PLATED 43MM 12.5MM 24.4MM	
3	117	30-51-0518	1		SH1	A	CAN SHIELD 1/4 JACK COPPER NICKEL PLATED NATURAL 0.89 INCH 0.65	
3	118	35-00-0364	1			A	INCH 2.326 INCH	
3	119	45-01-0063	1		U24	V1.03	IC PROGRAMMED MCU SPIDER LIVE PRO P16-3	
4	1	15-84-2134	1				IC MCU 16/32BIT ARM7TDMI W/ 128KB FLASH 16K SRAM LQFP64 SM	
3	120	45-02-0061	1		U20	V1.03	IC PROGRAMMED FLASH SPIDER LIVE PRO P16-3	
4	1	15-78-2532	1				IC FLASH 32Mbit SPI SERIAL SOIC-8 200mil SM	
2	37	50-02-0367-1	1			B	PCBA FOOTSWITCH TOP LEFT BREAK AWAY P16-3	
3	1	06-04-5817	2		D11,D13		DIODE SCHOTTKY 20V 1A DO-41 AXIAL TH 1N5817	
3	2	18-06-0003	2	EA	D1-D2		LED RED/GRN CYLINDRICAL T-1 3M M 3-PIN COM-CATH 627/565nm TH	
3	3	21-34-0149	1	EA	J1	X0	CBL ASSY RIBBON 8 POS 28AWG 1-STAKED/1-FEM	
3	4	24-31-1105	2	EA	SW1-SW2		SWITCH TACT 6MM SQ 4 PIN TH	
3	5	35-00-0367-1	1			B	PCB FOOTSWITCH TOP LEFT BREAK AWAY P16-3	
2	38	50-02-0367-2	1			B	PCBA FOOTSWITCH BOTTOM BREAK AWAY P16-3	
3	1	06-04-5817	6		D15-D16,D18-D21		DIODE SCHOTTKY 20V 1A DO-41 AXIAL TH 1N5817	
3	2	18-06-0003	9		D4-D10,D12,D14		LED RED/GRN CYLINDRICAL T-1 3M M 3-PIN COM-CATH 627/565nm TH	
3	3	21-34-0150	1	EA	J3	X0	CBL ASSY RIBBON 12 POS 28AWG 1-STAKED/1-FEM	
3	4	24-31-1105	6		SW4-SW9		SWITCH TACT 6MM SQ 4 PIN TH	
3	5	35-00-0367-2	1	EA		B	PCB FOOTSWITCH BOTTOM BREAK AWAY P16-3	
2	39	50-02-0367-3	1			B	PCBA FOOTSWITCH TOP RIGHT BREAK AWAY P16-3	
3	1	06-04-5817	1		D17		DIODE SCHOTTKY 20V 1A DO-41 AXIAL TH 1N5817	
3	2	18-06-0003	1	EA	D3		LED RED/GRN CYLINDRICAL T-1 3M M 3-PIN COM-CATH 627/565nm TH	
3	3	21-34-0148	1	EA	J2	X0	CBL ASSY 6-COND 26AWG 1-STAKED/1-FEM	
3	4	24-31-1105	1	EA	SW3		SWITCH TACT 6MM SQ 4 PIN TH	
3	5	35-00-0367-3	1	EA		B	PCB FOOTSWITCH TOP RIGHT BREAK AWAY P16-3	
2	40	50-02-0369-1	1			A	PCBA PEDAL P16-3	
3	1	01-25-1002	1		R1		RES 10.0K 1% 0603	
3	2	03-57-0105	1		C3		CAP X5R 1uF 10V 10% 0603	
3	3	03-58-0104	3		C1-C2,C5		CAP X7R 0.1uF 25V 10% 0603	
3	4	09-20-0095	1		Q1		PHOTOTRANSISTOR BLUE LENS SM	
3	5	11-10-2010	2		L1-L2		FERRITE BEAD 600R @ 100MHZ 300 mA 0805 SM	
3	6	18-27-0083	1		D1		LED INFRA-RED 880nm CLEAR LENS	

3	7	21-20-1208	1		J1	A	HDR SIL PCB-MT 8 PIN x 2MM MAL E SHRD HORIZONTAL MNT SM	
3	8	30-27-0097	1	EA		B	HOUSING SNAP DOME .78 x .84 x .278 ABS BLACK	
3	9	30-51-0078	3		SW1		TACTILE DOME 20MM SST NP	
3	10	35-00-0369-1	1			A	PCB PEDAL P16-3	
2	41	50-02-0370	1			A	PCBA UI SPIDER LIVE PRO P16-3	
3	1	01-04-02R2	1		R46		RES 2.2R 5% 1206	
3	2	01-25-0000	1		R41		RES 0R 1% 0603	
3	3	01-25-1000	16		R6-R13,R21,R25,R27-R28,R31,R33,R37,R39		RES 100R 1% 0603	
3	4	01-25-40R2	9		R1,R23-R24,R26,R29-R30,R32,R34,R38	A	RES 40R2 1% 0603	
3	5	01-25-0451	8		R20,R22,R35-R36,R42-R45		RES 4.75K 1% 0603	
3	6	01-48-6103	10		R2-R5,R14-R19		POT MONO 10KB LINEAR TAPER 25MM W/9MM NUT D-SHAFT	
3	7	03-57-0105	4		C26,C28,C30,C32		CAP X5R 1uF 10V 10% 0603	
3	8	03-58-0104	9		C1,C10-C11,C27,C29,C31,C33-C35		CAP X7R 0.1uF 25V 10% 0603	
3	9	03-80-0107	1		C24		CAP ELEC 100uF 10V 20% SM 6.3/5.4/7.8	
3	10	03-80-0108	3		C25,C36-C37		CAP ELEC 1000uF 6.3V 20% SM 10/10.2/12	
3	11	06-23-0050	3		D23-D25		DIODE SCHOTTKY DUAL 30V 225MW 5NS SOT-23	
3	12	09-10-6102	4		Q1-Q4		TRANS N-CHANNEL MOSFET SOT-23 SM	
3	13	12-62-0053	2		U1-U2		IC SWITCH ANALOG TRIPLE 2-CHAN TSSOP-16 SM	
3	14	15-65-0574	4		U3-U6		IC 74LVCS574A OCTAL D-TYPE FLIP FLOP 5V EDGE TRIGGER SO20 SM	
3	15	18-00-0314	3		D7,D18,D21		LED RED DIFFUSED TH	
3	16	18-04-0001	1		D22		LED GREEN SUPER BRIGHT TH	
3	17	18-06-0003	17		D1-D6,D9-D17,D19-D20		LED RED/GRN CYLINDRICAL T-1 3M M 3-PIN COM-CATH 627/565nm TH	
3	18	18-12-0001	1		D8	A	LED 7 SEG YELLOW 3 DIGIT w/DP 9.14MM TH	
3	19	18-30-0020	1				DISPLAY LCD MODULE 2X16 POS CHARACTER 6-OCLOCK WHITE	
3	20	21-20-1006	1		J1		HDR SIL PCB-MT 6 PIN 1 x 6 x 2 MM MALE SHRD RT-ANGLE TH	
3	21	21-21-0208	1		J3		HDR DIL PCB-MT 8 PIN 2 X 4 X .100 MALE SHRD RT ANG	
3	22	21-21-2012	1		J2		HDR DIL PCB-MT 12 PIN 2 X 6 X .100 MALE SHRD RT ANG	
3	23	21-30-0015-2	2		JMP1 JMP1	D	CBL RIBBON SIL 6 COND 26AWG 2.54MM 2.0" W/SPLIT ENDS S/T	
3	24	21-34-0151	1		J4	X0	CBL ASSY RIBBON 40 POS 28AWG 1-STAKED/1-FEM	
3	25	24-12-0006	1		E1		ENCODER 20 STEP w/SWITCH 15MM D-SHAFT METAL V-MNT PCB	
3	26	24-31-1105	6		SW1-SW6		SWITCH TACT 6MM SQ 4 PIN TH	
3	27	30-00-0254	4			X0	SCREW 2.0MM 66 UNC PH 6MM STEEL ZN	
3	28	30-00-0255	4			X2	NUT HEX M2.0 ZINC	
3	29	30-15-0423	17			X1	SPACER LED SPACER 6.75MM ABS 2.15MM BLACK SMOOTH	
3	30	30-15-4027	4			X0	SPACER DIA 0.188IN HEIGHT 0.25IN PVC	
3	31	30-27-0462	1			A	SUPPORT LED DISPLAY 1 X 0.665 X 0.6 INCH P16-3	
3	32	35-00-0370	1	EA		A	PCB UI SPIDER LIVE PRO P16-3	
2	42	50-03-0071	9	EA		B	ASSY FOOTSWITCH W/LIGHTPIPE CHROME	
3	1	30-27-0260	1	EA		A	FOOTSWITCH PUSH PIN .15 DIA x .15 LONG ABS BLACK P11-1	
3	2	30-27-0261	1	EA		C	LIGHT PIPE FOOTSWITCH 1.1 x .8 x .6 PC CLEAR P11-1	
3	3	30-51-0290	1	EA		C	FOOTSWITCH BASE 1.3 x .5 x .5 ADC P11-1	
3	4	30-51-0291	1	EA		D	FOOTSWITCH PLUNGER 0.5 DIA x 0.76 LG SST P11-1	
3	5	30-51-0293	1	EA		B	SPRING 9 COIL .30 DIA x .82 x .024 STEEL ZINC PLATE P11-1	
3	6	30-51-0294	1			D	SPRING 8 COIL .14 x .35 x .020 STEEL ZINC PLATE P11-1	
3	7	30-51-0295	1				CLIP E STYLE FOR 7/32" DIA SHAFT STEEL BLACK PHOS P11-1	
2	43	50-03-0072	1			C	ASSY FOOT PEDAL - X5-1	
3	1	30-00-0199	1	EA		A	SCREW 1/4 20 UNC SCHS 2.795" STEEL BO	
3	2	30-03-0003	2	EA			WASHER .473 x.260x .030 steel	
3	3	30-03-0042	2	EA		F	WASHER SHOULDER .50 .260 .880 NYLON	
3	4	30-06-0009	1	EA			NUT 1/4-20 STL W/NYLON LOCK	
3	5	30-27-0449	1	EA		A	REFLECTOR REFLECTING LIGHT PVC X5-1	
3	6	30-48-0010	1	EA			FOOT RUBBER w/ADHESIVE 3M BUMPON SJ-5012 (OR EQUIV)	
3	7	30-51-0415	1	EA		E	BRACKET PEDAL STEEL 2.15 .925 1.38 X5-1	
3	8	30-51-0417	1	EA		G	PEDAL FOOT STEEL 3.35"WD .71"HT 7.80"LG X5-1	
3	9	30-60-0009	1	EA		A	LOGO LINE 6 P3-1	

3	10	30-65-0025	1	EA		A	TAPE ANTI SLIP 54MM 200MM NON ABRASIVE POLYLEFIN ANTI SLIP TAPE MCMaster-CARR 6243T731	
3	11	30-65-0026	1	EA		A	TAPE ANTI SLIP 22MM 200MM NON ABRASIVE POLYLEFIN ANTI SLIP TAPE MCMaster-CARR 6243T721	
3	12	30-75-0011	1	EA		A	STOP PEDAL RUBBER .81SQ x .52 BLACK	