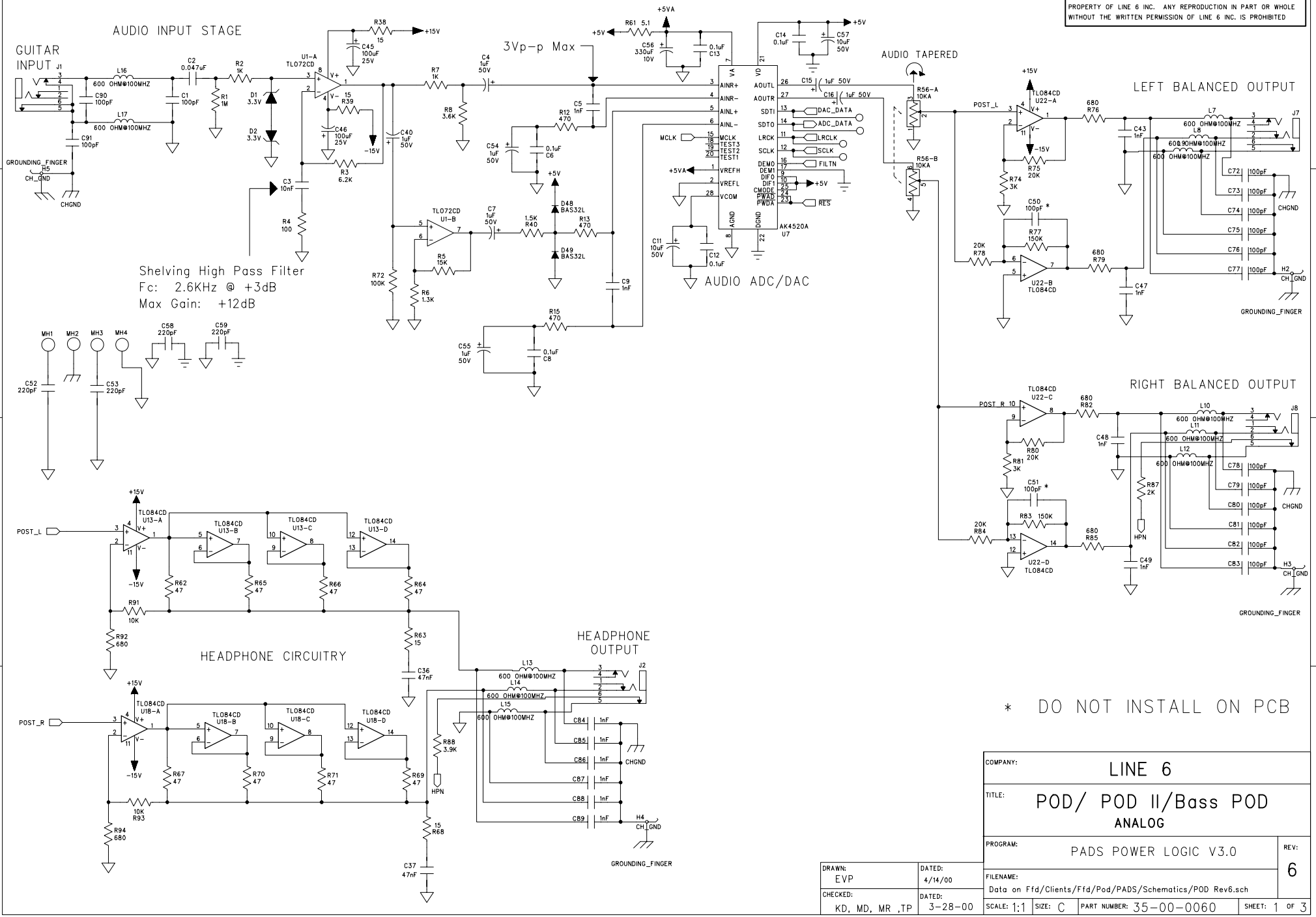
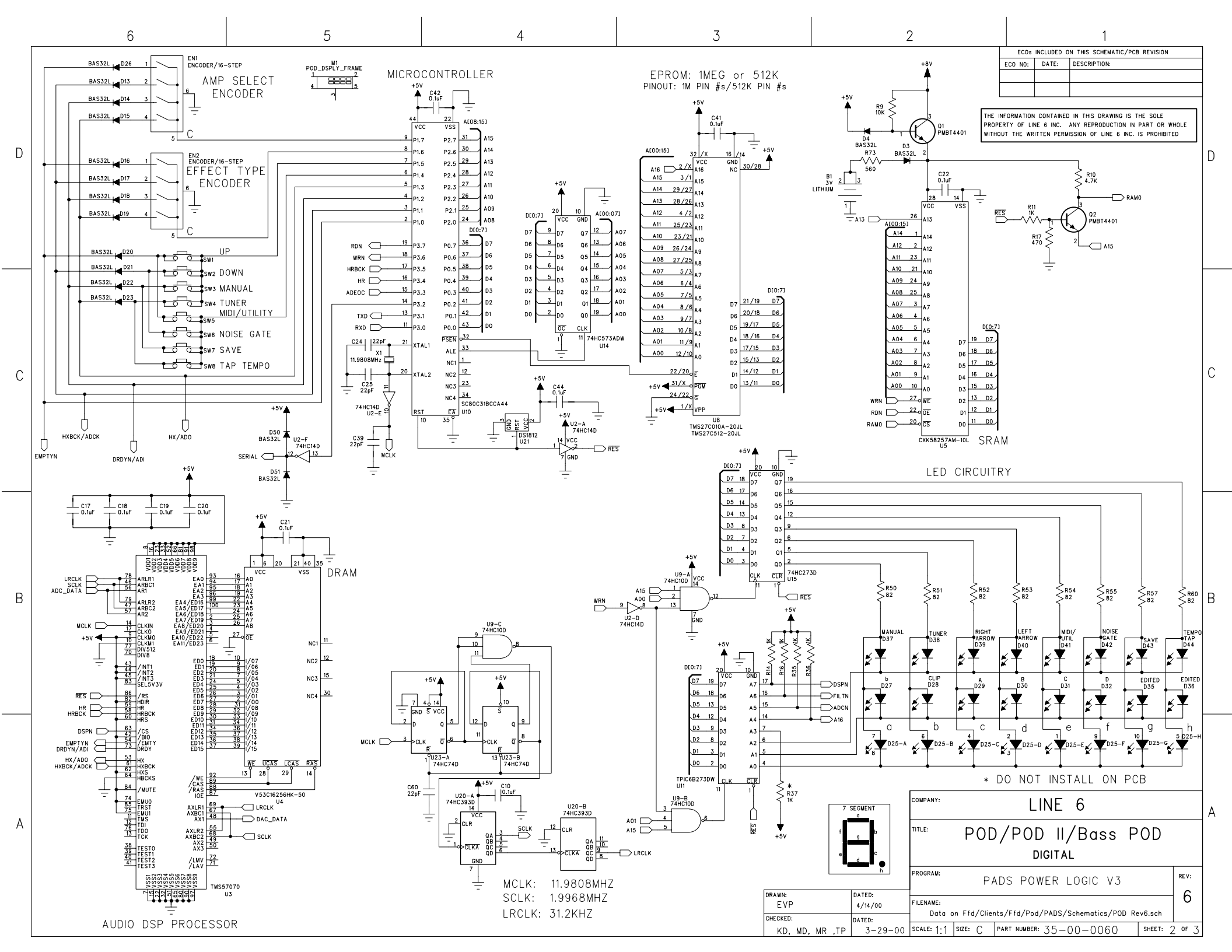
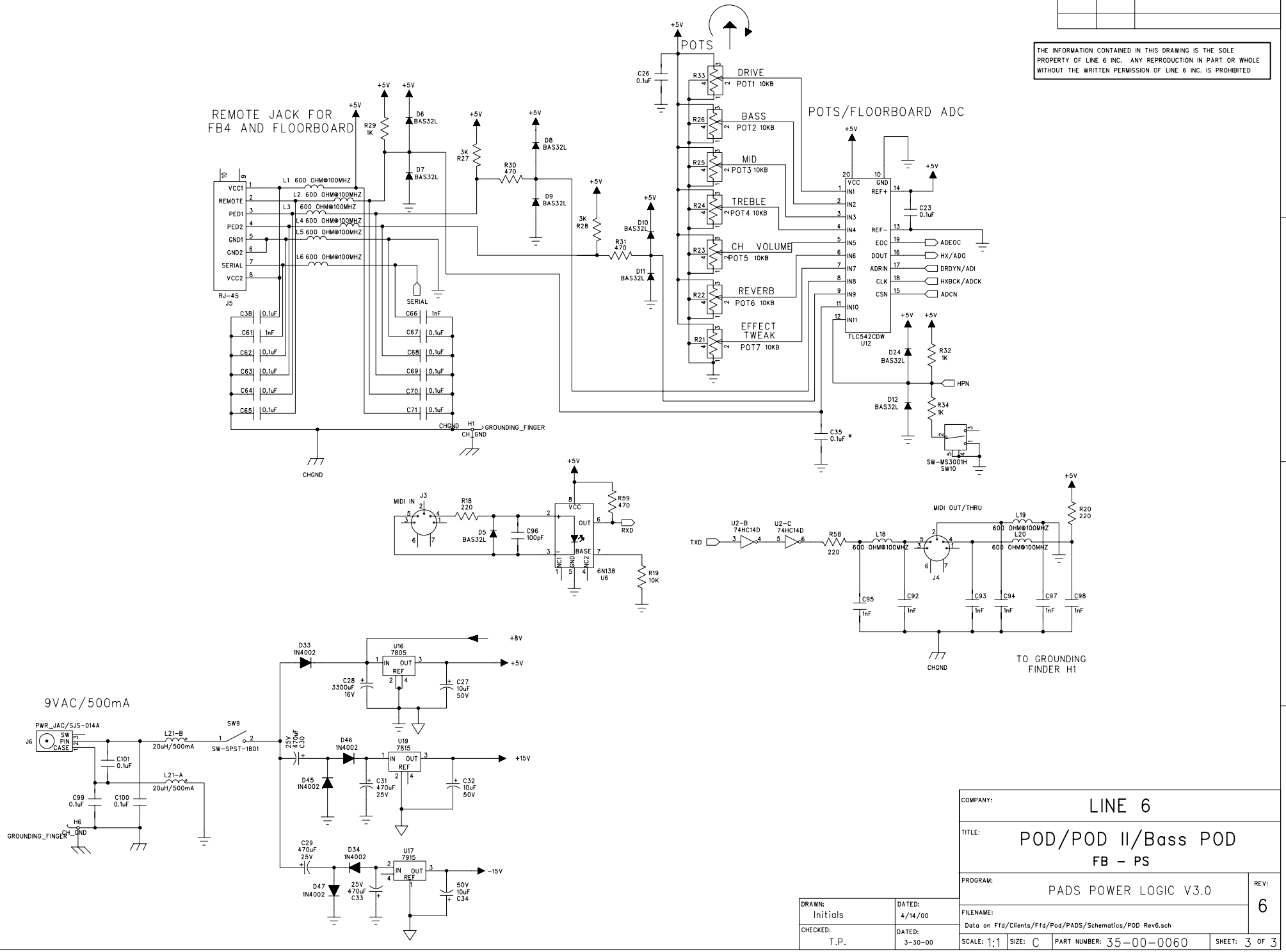
ECOs INCLUDED ON THIS SCHEMATIC/PCB REVISION		
ECO NO:	DATE:	DESCRIPTION:
NONE	4/14/00	Traces under U16 were moved.



COMPANY:	LINE 6		
TITLE:	POD/ POD II/Bass POD ANALOG		
PROGRAM:	PADS POWER LOGIC V3.0		REV: 6
FILENAME:	Data on Ffd/Clients/Ffd/Pod/PADS/Schematics/POD Rev6.sch		
DRAWN: EVP	DATED: 4/14/00		
CHECKED: KD, MD, MR ,TP	DATED: 3-28-00	SCALE: 1:1 SIZE: C PART NUMBER: 35-00-0060	SHEET: 1 OF 3


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
AMP SELECT ENCODER
EFFECT TYPE ENCODER
MICROCONTROLLER
EPROM: 1MEG or 512K
PINOUT: 1M PIN #s/512K PIN #
SRAM
LED CIRCUITRY
DRAM
AUDIO DSP PROCESSOR
UP
DOWN
MANUAL
TUNER
MIDI/UTILITY
NOISE GATE
SAVE
TAP TEMPO
MCLK: 11.9808MHZ
SCLK: 1.9968MHZ
LRCLK: 31.2KHZ
* DO NOT INSTALL ON PCB
COMPANY: LINE 6
TITLE: POD/POD II/Bass POD
DIGITAL
PROGRAM: PADS POWER LOGIC V3
REV: 6
FILENAME: Data on Ffd/Clients/Ffd/Pod/PADS/Schematics/POD Rev6.sch
DRAWN: EVP DATED: 4/14/00
CHECKED: KD, MD, MR ,TP DATED: 3-29-00
SCALE: 1:1 SIZE: C PART NUMBER: 35-00-0060 SHEET: 2 OF 3

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



COMPANY:	LINE 6		
TITLE:	POD/POD II/Bass POD FB – PS		
PROGRAM:	PADS POWER LOGIC V3.0		REV: 6
FILENAME:	Data on Ffd/Clients/Ffd/Pod/PADS/Schematics/POD Rev6.sch		
DRAWN: Initials	DATED: 4/14/00	SCALE: 1:1 SIZE: C PART NUMBER: 35-00-0060	SHEET: 3 OF 3
CHECKED: T.P.	DATED: 3-30-00		

Bass POD Parts List

Including: Reference Designators

Level	Seq	Component-Item	Component-Description	Opr	UOM	Scrap Act Stk	Qty On-Hand	Qty-Per-Parent
Parent Item: 99 BOD US		Bass version,Pod, US		Loc:	L6M LLC: 0			
1		11-32-0912	Power transformer 120v,US	0	EA			1.000000
1		24-21-0010	POD keypad frame	0	EA			1.000000
1		24-21-0011	POD keypad bezel	0	EA			1.000000
1		24-30-0030	Rubber keypad, Bod	0	EA			1.000000
1		30-00-1632	6-32x3/8 philips panhead screw taptite black	0	EA			4.000000
1		30-42-0060	Label, U.S.Patent -POD	0	EA			1.000000
1		30-42-0061	Diffuser, POD	0	EA			1.000000
1		30-45-2000	Knob	0	EA			10.000000
1		30-48-0010	Rubber feet, POD	0	EA			4.000000
1		30-51-0067	Bass Pod top cover, die cast alum. w/ powder coat,screening L6M	0	EA			1.000000
1		30-51-0068	Bass Pod bottom, die casted aluminium w/ powder coat	0	EA			1.000000
1		40-00-0073	Sheet, Accessory, Domestic	0	EA			1.000000
1		40-00-0078	User manual, Bass Pod	0	EA			1.000000
1		40-00-0079	Preset chart, Bass Pod	0	EA			1.000000
1		40-00-0081	CD-ROM place holder-substitute for CD-ROM	0	EA			1.000000
1		40-10-0076	TOP INSERT, POD BOX Made w/40-10-0077 & -0078	0	EA			1.000000

1	40-10-0077	BOTTOM INSERT, POD BOX	0	EA	1.000000
	Made with 40-10-0076 & -0078				
1	40-10-0078	POWER CORD SLEEVE, POD BOX	0	EA	1.000000
	Made w/ 40-10-0076 & -0077				
1	40-10-0079	Units carton, Bass Pod	0	EA	1.000000
1	40-20-0070	Plastic Bag, 9 x 12, 2 mil	0	EA	1.000000
	POD shipping				
1	40-30-0020	Label,Serial No.1wX.5L,2accros	0	EA	2.000000
	Gloss,Silver Duropoly 613				
1	50-00-1038	Bass Pod PCBA	0	EA	1.000000
2	01-04-0051	RES 5.1R 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R61			
2	01-04-0101	RES 100 OHM 5% 1/8W	0	EA	1.000000
		Ref: R4			
2	01-04-0102	RES 1K 1/8W 5% 1206 SM	0	EA	10.000000
		Ref: R2, R7, R11, R14, R16, R29, R32, R34, R35, R36			
2	01-04-0103	RES 10K 1/8W 5% 1206 SM	0	EA	4.000000
		Ref: R9, R19,R91, R93			
2	01-04-0104	RES 100K 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R72			
2	01-04-0105	RES 1M 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R1			
2	01-04-0132	RES 1.3K 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R6			
2	01-04-0150	RES 15R 1/8W 5% 1206 SM	0	EA	4.000000
		Ref: R38, R39, R63, R68			
2	01-04-0152	RES 1.5K 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R40			
2	01-04-0153	RES CHIP 15K 5% 1/8W	0	EA	1.000000
	1206, Thick Film				

		Ref: R5			
2	01-04-0154	RES 150K 1/8W 5% 1206 SM	0	EA	2.000000
		Ref: R77, R83			
2	01-04-0202	RES 2K 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R87			
2	01-04-0203	RES 20K 1/8W 5% 1206 SM	0	EA	4.000000
		Ref: R75, R80, R78, R84			
2	01-04-0221	RES 220R 1/8W 5% 1206 SM	0	EA	3.000000
		Ref: R18, R20, R58			
2	01-04-0302	RES 3K 1/8W 5% 1206 SM	0	EA	4.000000
		Ref: R27, R28, R74, R81			
2	01-04-0362	RES 3.6K 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R8			
2	01-04-0392	RES 3.9K 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R88			
2	01-04-0470	RES 47R 1/8W 5% 1206 SM	0	EA	8.000000
		Ref: R62, R64, R65, R66, R67, R69, R70, F			
2	01-04-0471	RES 470R 1/8W 5% 1206 SM	0	EA	7.000000
		Ref: R12, R13, R15, R17, R30, R31, R59			
2	01-04-0472	RES 4.7K 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R10			
2	01-04-0561	RES 560R 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R73			
2	01-04-0622	RES 6.2K 1/8W 5% 1206 SM	0	EA	1.000000
		Ref: R3			
2	01-04-0681	RES 680R 1/8W 5% 1206 SM	0	EA	6.000000
		Ref: R76, R79, R82, R85, R92, R94			
2	01-04-0820	RES 82R 1/8W 5% 1206 SM	0	EA	8.000000
		Ref: R50, R51, R52, R53, R54, R55, R57, R60			
2	01-48-0103	POT 10K MONO LINEAR D-SHAFT-25	0	EA	7.000000

	mm				
		Ref: R21, R22, R23, R24, R25, R26, R33			
2	01-48-5103 R1610G-CC3-A10K	Pot 10k Stereo audio	0	EA	1.000000
		Ref: R56			
2	03-10-0331 TH	CAP 330uF 10V 20% RADIAL ELEC	0	EA	1.000000
		Ref: C56			
2	03-12-0338 TH	CAP 3300uF 16V 20% RADIAL ELEC	0	EA	1.000000
		Ref: C28			
2	03-14-0107 TH	CAP 100uF 25V 20% RADIAL ELEC	0	EA	2.000000
		Ref: C45, C46			
2	03-14-0477 TH	CAP 470uF 25V 20% RADIAL ELEC	0	EA	4.000000
		Ref: C29, C30, C31, C33			
2	03-18-0105	CAP 1uF 50V 20% RADIAL ELEC TH	0	EA	7.000000
		Ref: C4, C7, C15, C16, C40, C54, C55			
2	03-18-0106 TH	CAP 10uF 50V 20% RADIAL ELEC	0	EA	5.000000
		Ref: C11, C27, C32, C34, C57			
2	03-45-0473	CAP 47nF 16V 20% 1206 FILM SM	0	EA	1.000000
		Ref: C2			
2	03-46-0104	CAP 0.1uF 50V 20% 1206 X7R SM	0	EA	17.000000
		Ref: C6, C8, C10, C12, C13, C14, C17, C18, C19, C20, C21, C22, C23, C26, C41, C42, C44			
2	03-52-0102	CAP 1nF 50V min 20% max 0805	0	EA	6.000000
		Ref: C5, C9, C43, C47, C48, C49			
2	03-52-0103 X7R	CAP 10nF 50V SMT	0	EA	1.000000
		Ref: C3			
2	03-52-0220	CAP 22pF 50V min 20% max 0805	0	EA	4.000000
		Ref: C24, C25, C39, C60			
2	03-52-0221	CAP 220pF 50V 20%	0	EA	5.000000
		Ref: C1, C52, C53, C58, C59			
2	03-52-0473 SMT	Capacitor, 47nf, 50v min. 20%	0	EA	2.000000

		Ref: C36, C37			
2	06-04-4002	Diode, Mid Power TH	0	EA	5.000000
		Ref: D33, D34, D45, D46, D47			
2	06-20-4148	DIODE, SMALL SIGNAL, GREEN	0	EA	27.000000
		Ref: D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D1 D18, D19, D20, D21, D22, D23, D24, D26, D48, D49, D50, D51			
2	06-28-0310	Diode Zener 3.3 volt SMT Philips PMLL5226B,DL-35 pkg	0	EA	2.000000
		Ref: D1, D2			
2	09-10-4401	TRANS NPN Small Signal TH	0	EA	2.000000
		Ref: Q1, Q2			
2	11-00-1198	11.98080 MHz crystal in HC-49/u holder	0	EA	1.000000
		Ref: X1			
2	11-40-0030	Battery BR2325-1HG	0	EA	1.000000
		Ref: B1			
2	12-02-7805	Regulator, +5v, 1.5 Amp TH	0	EA	1.000000
		Ref: U16			
2	12-02-7815	REGULATOR, +15V, 1AMP	0	EA	1.000000
		Ref: U19			
2	12-02-7915	REGULATOR, -15V, 1AMP	0	EA	1.000000
		Ref: U17			
2	12-54-0072	IC, OP-AMP TL072D	0	EA	1.000000
		Ref: U1			
2	12-54-0084	IC OP AMP Quad, surface mount, mfg p/n# TL084CD	0	EA	3.000000
		Ref: U13, U18, U22			
2	12-64-0542	IC ADC 8 bit	0	EA	1.000000
		Ref: U12			
2	12-64-4520	IC STEREO 20 bit CODEC SMT	0	EA	1.000000
		Ref: U7			
2	15-40-6138	IC Opto-isolator	0	EA	1.000000

		Ref: U6				
2	15-62-0010	IC Triple 3-Input NAND Gate	0	EA		1.000000
		Ref: U9				
2	15-62-0014	IC Hex Schmitt Inverter	0	EA		1.000000
		Ref: U2				
2	15-62-0074	DUAL D-TYPE FLIP-FLOP SMT	0	EA		1.000000
		Ref: U23				
2	15-62-0273	OCTICAL LATCH D TYPE WITH CLEA R SMT	0	EA		1.000000
		Ref: U15				
2	15-62-0393	8 BIT DIVIDER SMT	0	EA	Y	1.000000
		Ref: U20				
2	15-62-0573	IC Octal Latch D-Type *Transpa rent	0	EA		1.000000
		Ref: U14				
2	15-66-0273	IC Octal Latch D-Type Transpar ent	0	EA		1.000000
		Ref: U11				
2	15-70-6256	DRAM FLEXTONE ISSI P/N IS4IC16257-35K	0	EA		1.000000
		Ref: U4				
2	15-72-0256	IC SRAM 32K X 8	0	EA		1.000000
		Ref: U5				
2	15-84-8031	IC Microprocessor 8031	0	EA		1.000000
		Ref: U10				
2	15-86-7070	IC DASP	0	EA		1.000000
		Ref: U3				
2	15-92-1812	RESET CHIP DS1812R-5/T&R	0	EA		1.000000
		Ref: U21				
2	18-00-0314	RED LED TH SLX-LX3054ID	0	EA		10.000000
		Ref: D27, D28, D29, D30, D31, D32, D35, D36, D39, D40				
2	18-00-3044	Red LED SSL-LX3044SRC/E	0	EA		6.000000
		Ref: D37, D38, D41, D42, D43, D44				
2	18-10-0001	1 digit 7 segment red LED TH	0	EA		1.000000

		SC56-11SRWA			
		Ref: D25			
2	21-00-0014 SJS-014A	Barrel Jack	0	EA	1.000000
		Ref: J6			
2	21-00-6616 6 pin	JACK 1/4" phone Stereo Female	0	EA	4.000000
		Ref: J1, J2, J7, J8			
2	21-04-5075 LN 05075	JACK MIDI 5 pin DIN female	0	EA	2.000000
		Ref: J3, J4			
2	21-16-0045	CON RJ-45 female 8 conductor	0	EA	1.000000
		Ref: J5			
2	21-42-0032 th	Socket 32 pin	0	EA	1.000000
		Ref: U8			
2	24-12-0025	ENCODER SHAFT 16 STEP	0	EA	2.000000
		Ref: EN1, EN2			
2	24-24-2107 R-2107A	Switch rocker	0	EA	1.000000
		Ref: SW9			
2	24-24-3001	Switch SPDT side right angle	0	EA	1.000000
		Ref: SW10			
2	30-00-0607 mach. screw w/ext. lock washer	6-32x7/16 Phil Panhead zinc	0	EA	1.000000
		Ref: U16			
2	30-12-2210 F.F. Keystone 2210	STANDOFF 1/2" F 6-32 Full THD.	0	EA	1.000000
		Ref: U16			
2	45-00-1072 nano second, Bass Pod	Eprom programmed, 1 meg, 70	0	EA	1.000000

Bass POD Software Test Procedure

1. Hold down the **CABS AND EQ** button while turning the unit on.
2. The display will show **"t"** for test mode and then "**0**" for test #0.
3. Proceed through the following software tests, using the **UP**/**DOWN** buttons to select tests 0 through 6.
4. Press **SAVE** to start the selected test.
5. The decimal point "**.**"on the display will light up to show that the test is in progress. When the test is complete, the decimal point will turn off.
6. If the test is a Pass/Fail type, the display will show "**P**" for pass and "**F**" for Fail.

Test 0: SRAM Test – Display shows "**0"**. The test will display "**P"** or "**F"** when finished.

Test 1: EPROM Test – Display shows "**1"**. The test will display "**P"** or "**F"** when finished.

Test 2: LED Test – Display shows "**2**". All LED's will turn on for 5 seconds. Check that all LED's light up. The clear LED's should be brighter than the red LED's. Check that brightness is consistent for each type of LED. LED's will then turn on one at a time.

Test 3: BATTERY Test – Display shows "**3**". The test will display "**P"** or "**F"** when finished.

Test 4: BUTTON/POTS/ENCODERS Test - Display shows "**4**". Pressing each button will light up the corresponding LED. The **UP/DOWN** buttons will light up the LED's to the left of the buttons.

- Turning each of the potentiometers, except for **VOLUME**, through its full range of motion will display "**0**" through "**9**". "**0**"
  corresponds to the full CCW position and "**9**" to the full CW position.
- Turning each encoder through all 16 positions will display "**0-9, A-F**". Flat part of shaft at 12 o' clock position is "**0**".
- EXIT Test 4 – Press the **UP/DOWN** buttons at the same time to exit Test 4.

Test 5: MIDI Test – Display shows "**5**". The test will display "**P"** or "**F"** when finished. (A MIDI cable needs to be connected between the unit's MIDI In and MIDI Out ports for this test.)

Test 6: RJ-45 Test – Display shows "**6**". This is a production test that requires a special test fixture. Please ignore.

Service Dept.
6033 De Soto Ave.
Woodland Hills, CA 91367
P. 818-575-3600
F. 818-676-1585
E. service@line6.com

Procedure for reinitialization of Bass POD (Hard reset)

Power unit up while holding down the up and down arrow buttons. Hold for 3 seconds and then release. Factory presets will be re-installed.

Procedure for identifying firmware version of Bass POD

Power unit up while holding down the “manual” button. LED display will read out full number.