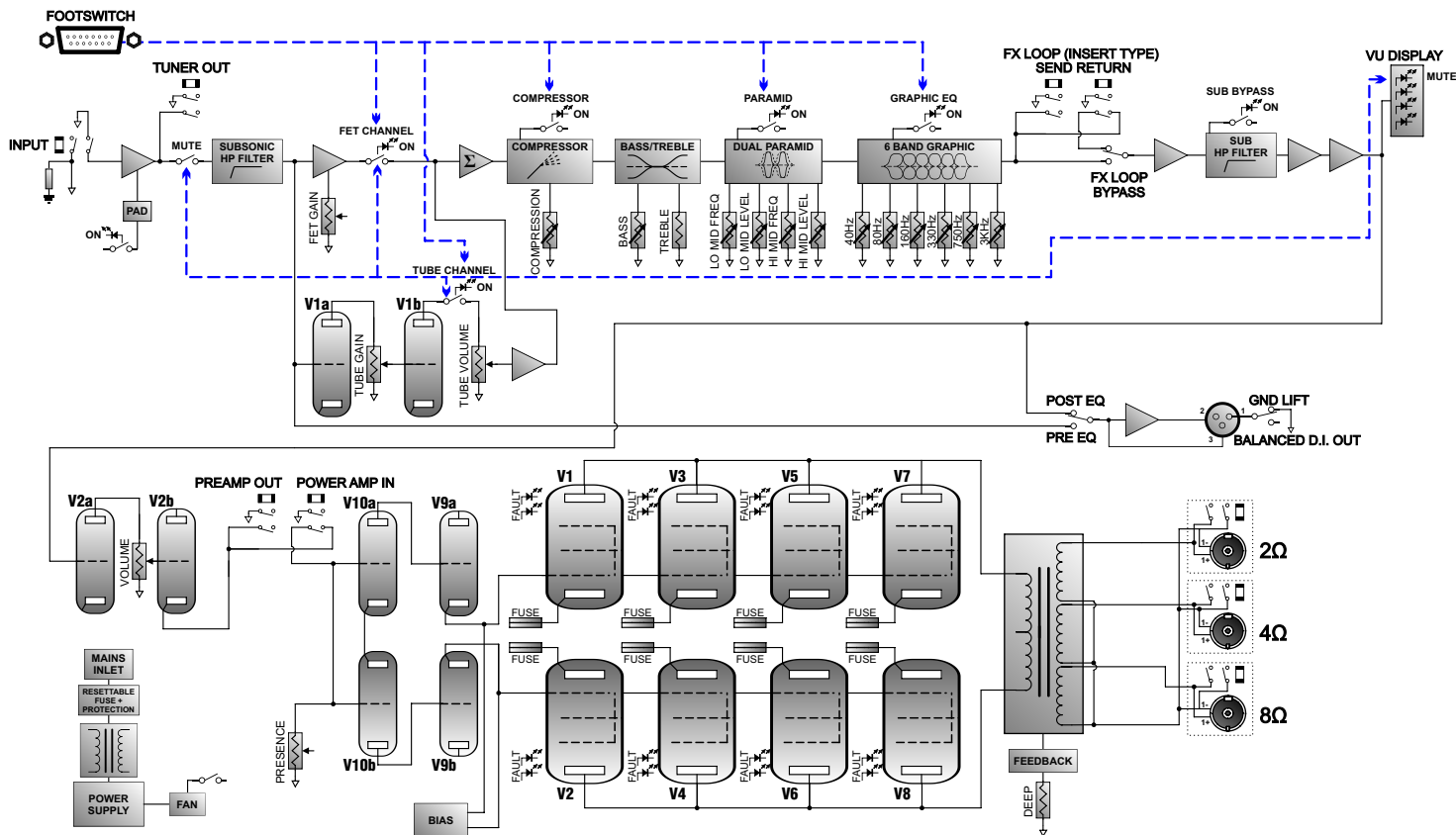


NXT

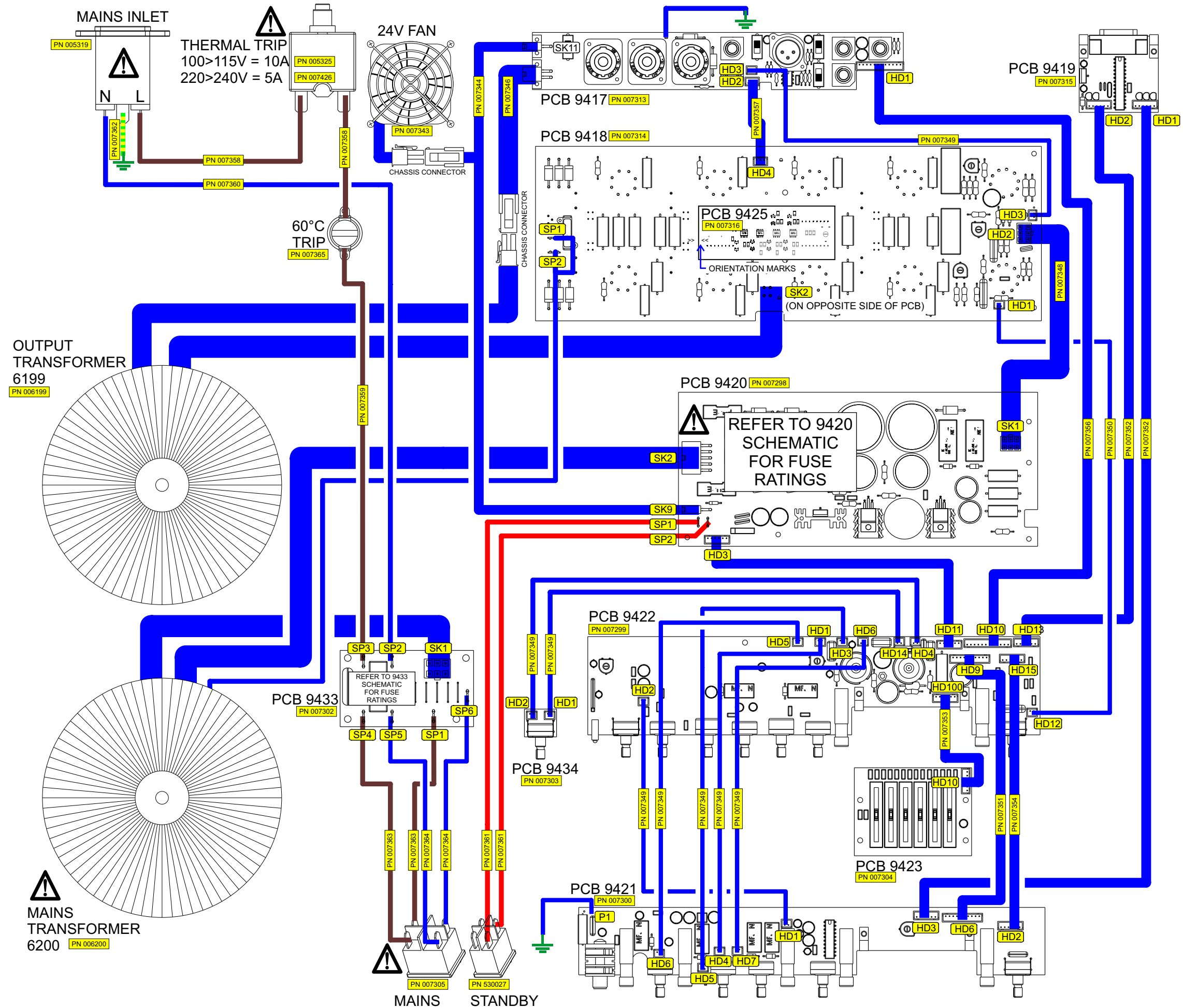
Service Information

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NXT BLOCK DIAGRAM (SERVICE MANUAL)



NXT SYSTEM WIRING DIAGRAM



PCBS ALL VIEWED FROM CONNECTOR SIDE. ACTUAL ORIENTATION IN UNIT MAY DIFFER

Nexus Bass Amplifiers can be adapted to run from different voltages by making changes in three places.

- 1. The Power Switch
- 2. Mains Inlet & Resettable Trip
- 3. The Voltage Selection PCB


2. Mains Inlet & Resettable Trip;

The mains inlet & resettable trips must be changed as set out in the table below for the various voltages.


The items are located at the rear of the amplifier as in the photo.
The Mains Inlet is secured by 2 x M3 screws, nuts & washers, & the resettable trip is secured by 1 x hex nut.




3A
005319




6A
005323



5A
007426



10A
005325



	NXT		NXF	
	100-115V	230V	100-115V	230V
EMI Filtered Mains Inlet	6A - 005323	3A - 005319	6A - 005323	3A - 005319
Resettable Trip	10A - 005325	5A - 007426	10A - 005325	5A - 007426

1. Power switch;

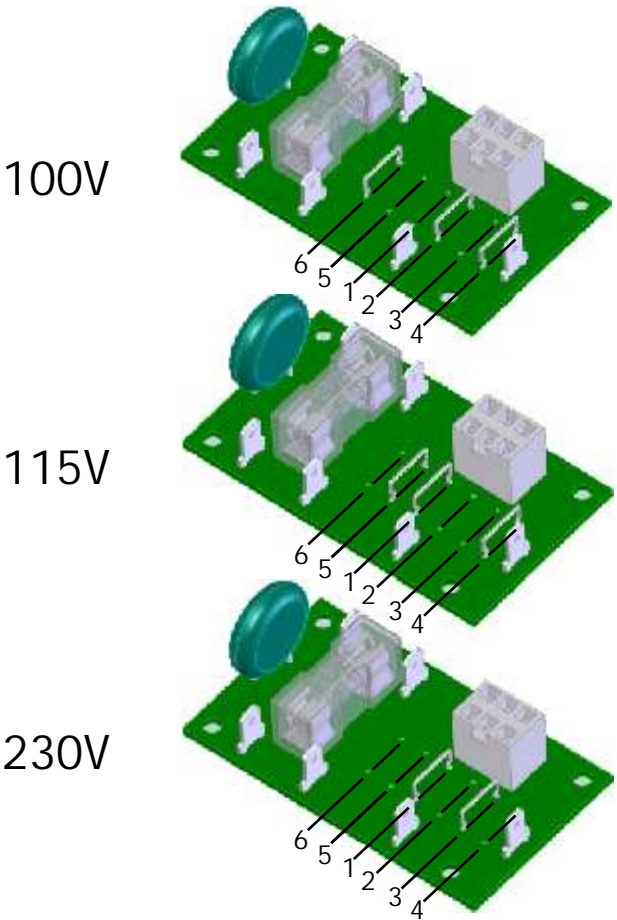
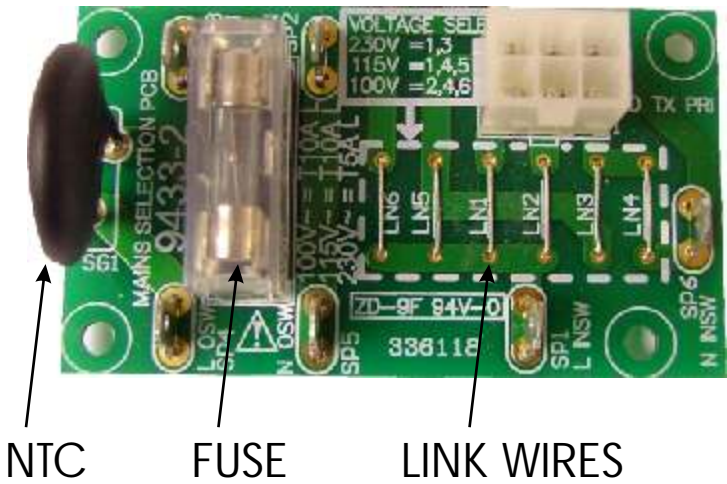
In general appearance the 2 switches look the same, but use 007305 for 230V & 007435 for 100 -115V range.



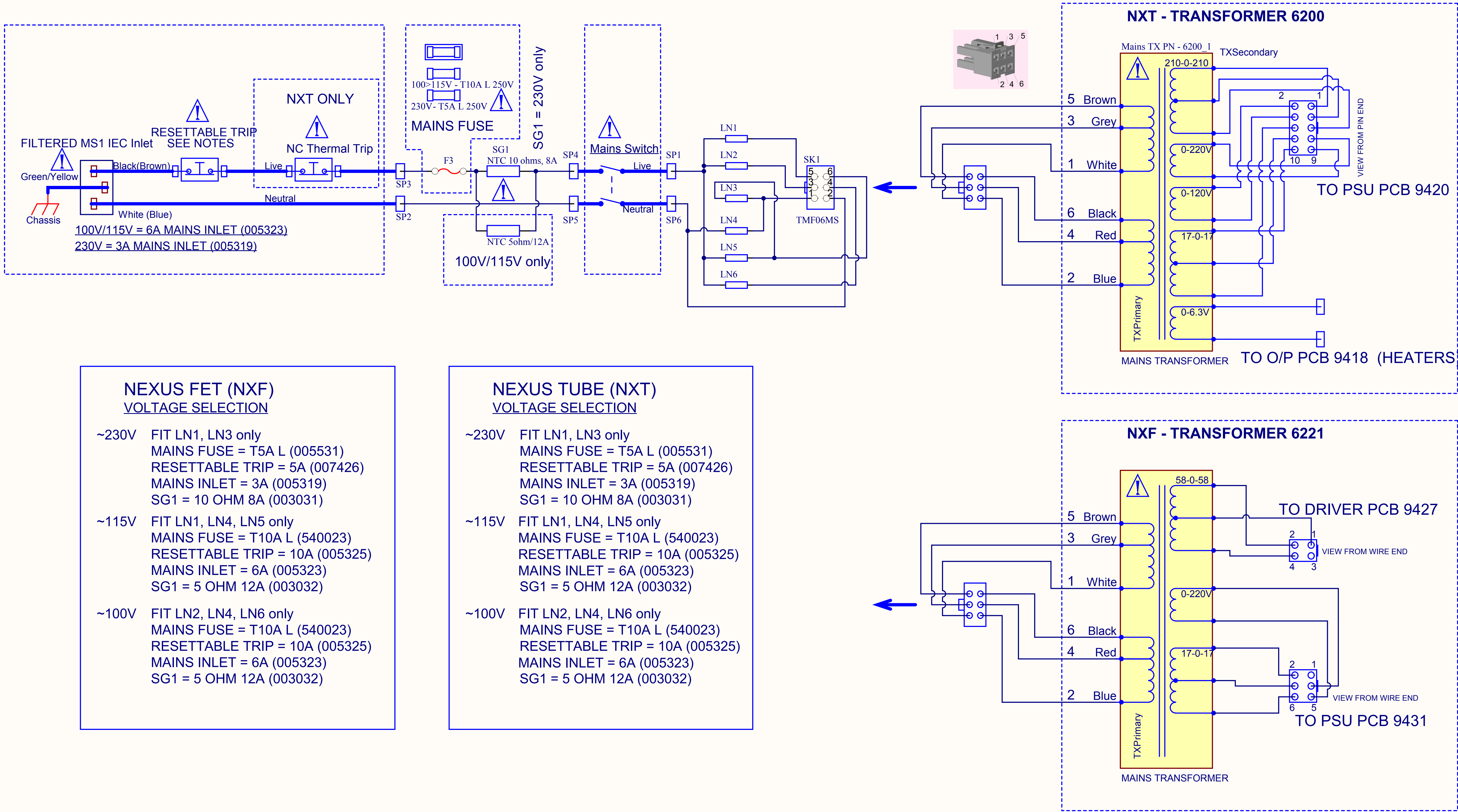
007305 007435

3. Voltage Selection PCB;

The Voltage Selection PCB is located in the front of the chassis by the power & standby switch & is secured by 4 self tapping screws.
The fuse, NTC & link wires, on the PCB must be configured for the required voltage as set out in the table.



	LINK WIRES						FUSE	NTC
	1	2	3	4	5	6		
100V		*		*		*	T10A L 540023	SURGE GUARD 003032 12A
115V	*			*	*		T10A L 540023	SURGE GUARD 003032 12A
230V	*		*				T5A L 005531	SURGE GUARD 003031 8A



NEXUS FET (NXF)
VOLTAGE SELECTION

- ~230V FIT LN1, LN3 only
MAINS FUSE = T5A L (005531)
RESETTABLE TRIP = 5A (007426)
MAINS INLET = 3A (005319)
SG1 = 10 OHM 8A (003031)
- ~115V FIT LN1, LN4, LN5 only
MAINS FUSE = T10A L (540023)
RESETTABLE TRIP = 10A (005325)
MAINS INLET = 6A (005323)
SG1 = 5 OHM 12A (003032)
- ~100V FIT LN2, LN4, LN6 only
MAINS FUSE = T10A L (540023)
RESETTABLE TRIP = 10A (005325)
MAINS INLET = 6A (005323)
SG1 = 5 OHM 12A (003032)

NEXUS TUBE (NXT)
VOLTAGE SELECTION

- ~230V FIT LN1, LN3 only
MAINS FUSE = T5A L (005531)
RESETTABLE TRIP = 5A (007426)
MAINS INLET = 3A (005319)
SG1 = 10 OHM 8A (003031)
- ~115V FIT LN1, LN4, LN5 only
MAINS FUSE = T10A L (540023)
RESETTABLE TRIP = 10A (005325)
MAINS INLET = 6A (005323)
SG1 = 5 OHM 12A (003032)
- ~100V FIT LN2, LN4, LN6 only
MAINS FUSE = T10A L (540023)
RESETTABLE TRIP = 10A (005325)
MAINS INLET = 6A (005323)
SG1 = 5 OHM 12A (003032)

ITEMS WITHIN DASHED AREA ARE NOT ON PCB OR ARE OPTIONS

⚡ All capacitors to be 100V minimum rating unless stated otherwise

FP Flame proof resister
Must only be replaced with same type and rating

⚠ Indicates safety critical component
Must only be replaced with approved type

ALL CONNECTOR VIEWS LOOKING INTO PIN FACE

Title: NXF/NXT MAINS SELECTION PCB

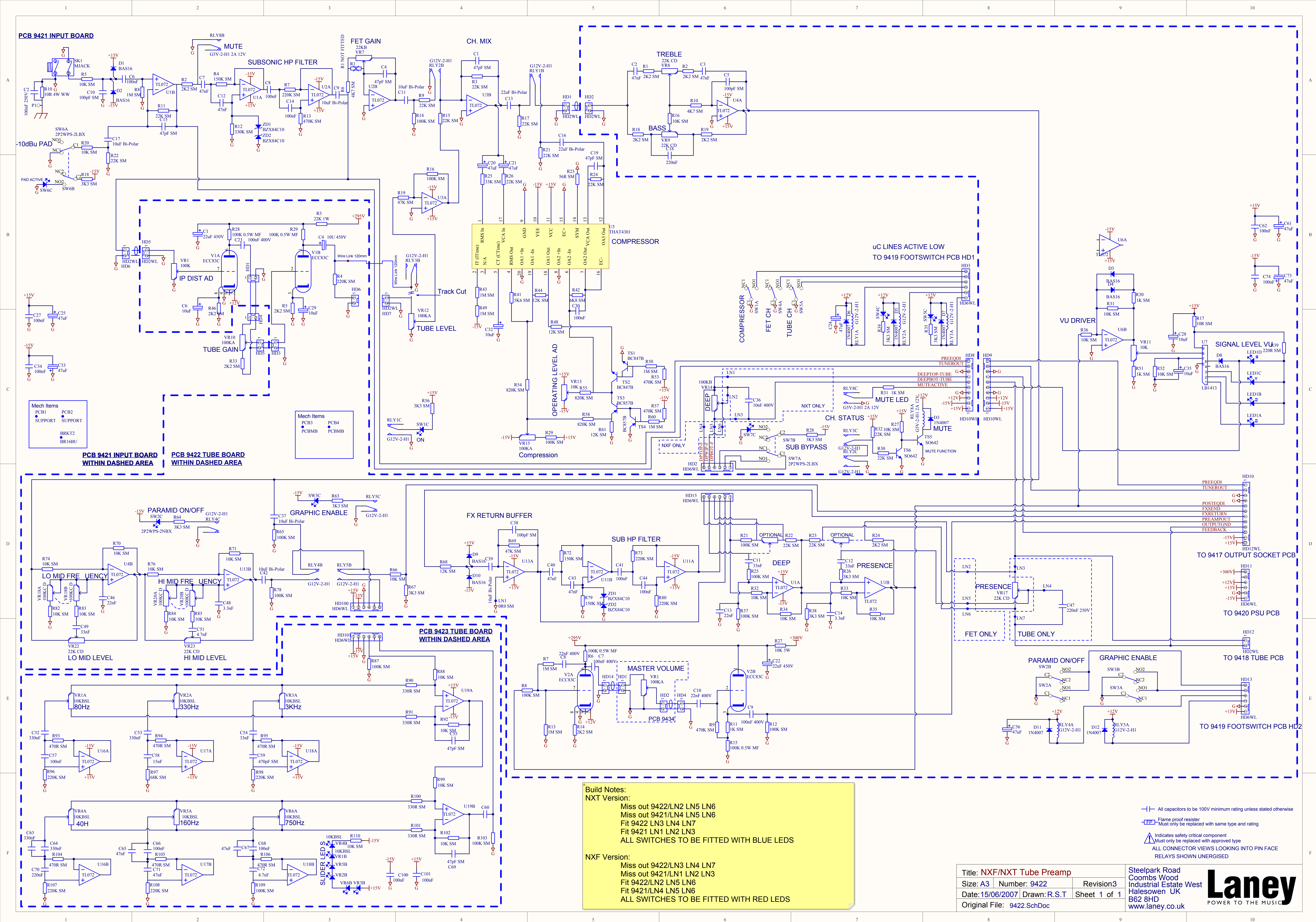
Size: A3 Number: 9433 Revision: 4

Date:26/02/2008 Time:17:17:35 Sheet 1 of 1

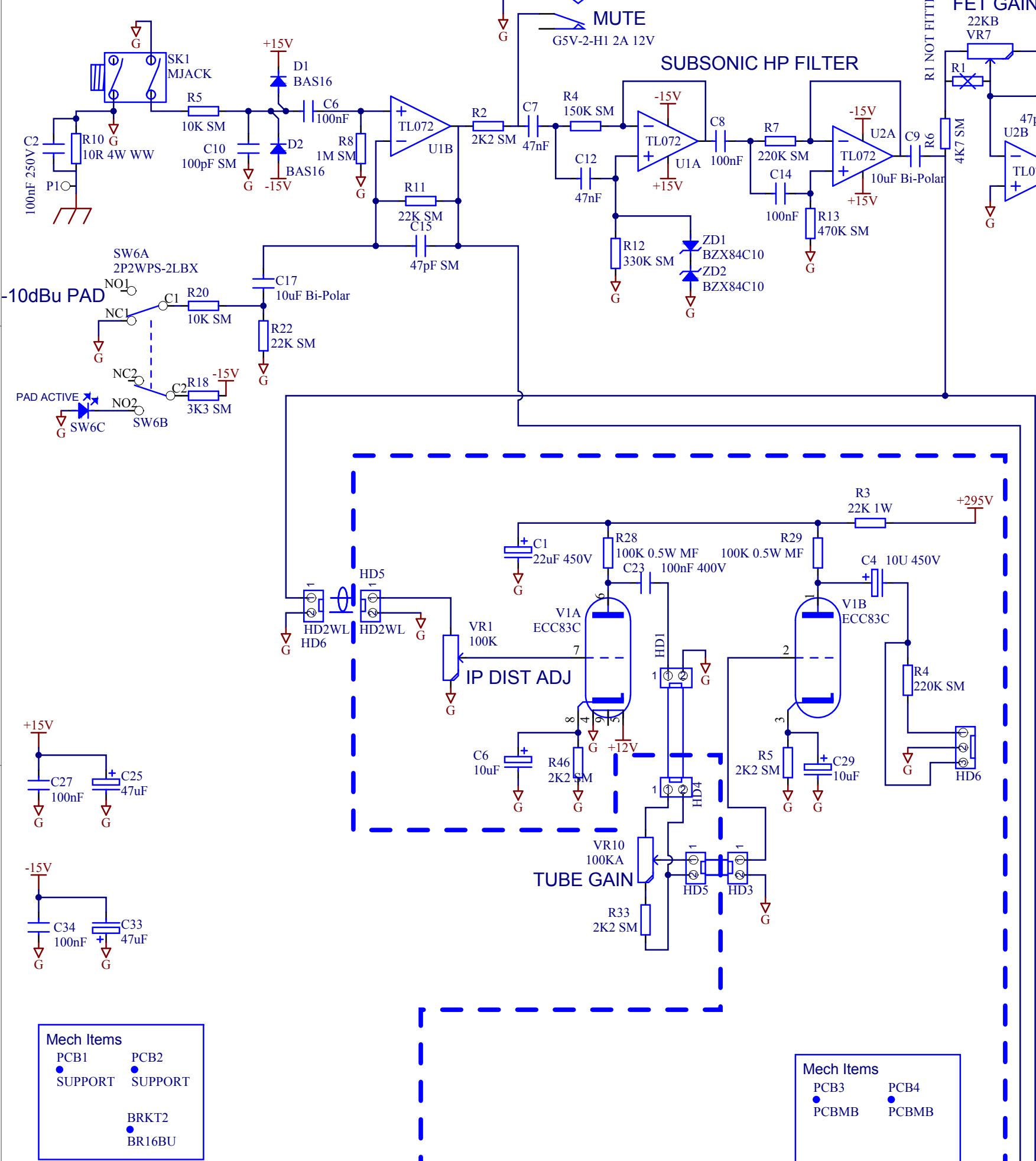
Original File: 9433.SchDoc

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PCB 9421 INPUT BOARD

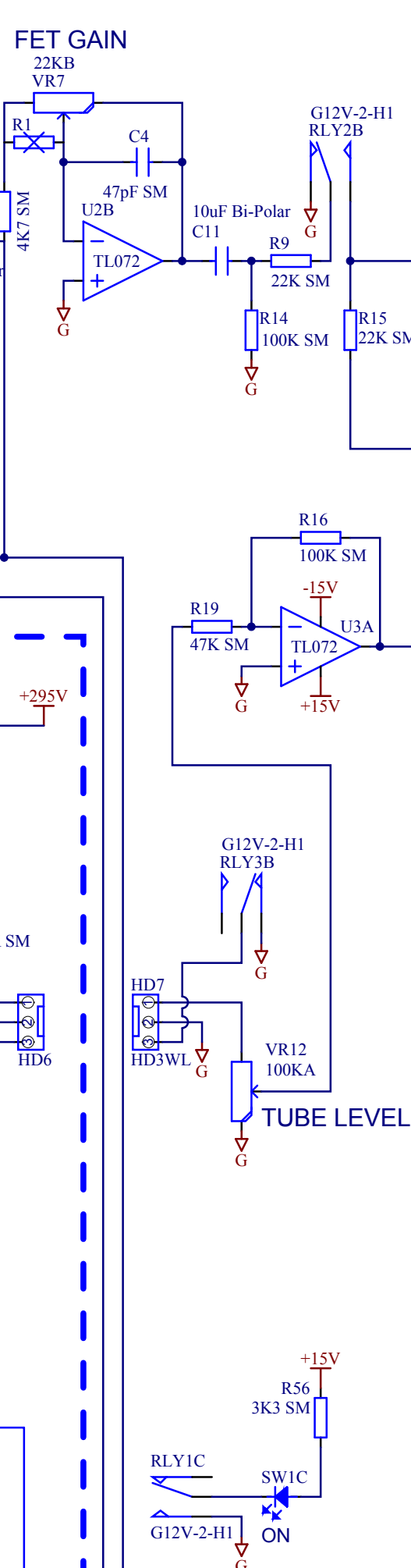


PCB 9421 INPUT BOARD
WITHIN DASHED AREA

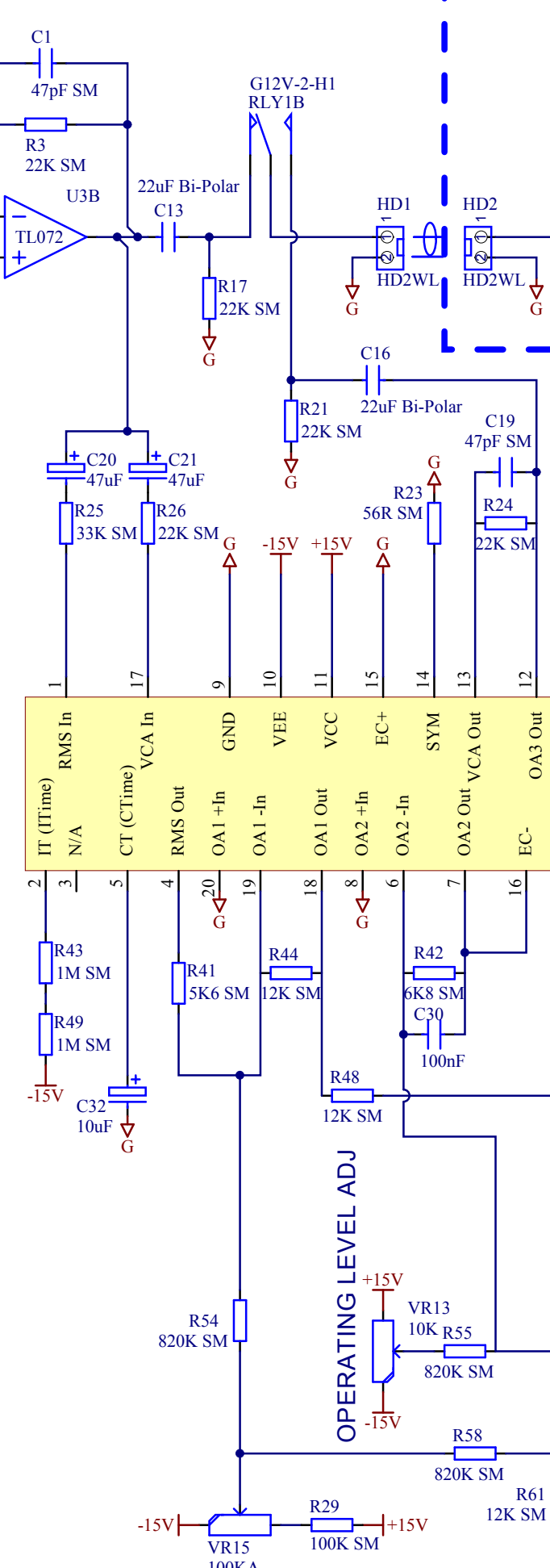
PCB 9422 TUBE BOARD
WITHIN DASHED AREA

Mech Items
PCB1 PCB2
SUPPORT SUPPORT
BRKT2
BR16BU

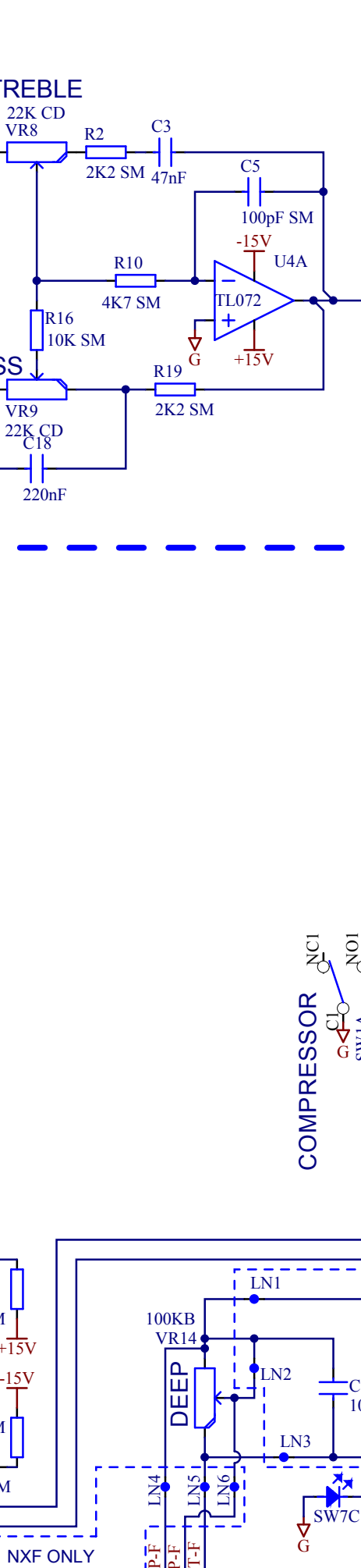
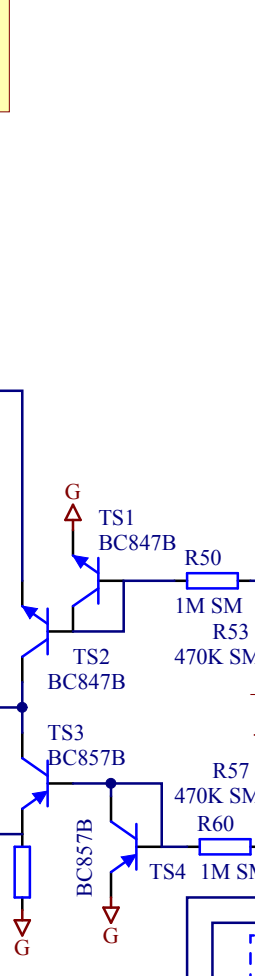
Mech Items
PCB3 PCB4
PCBMB PCBMB



CH. MIX



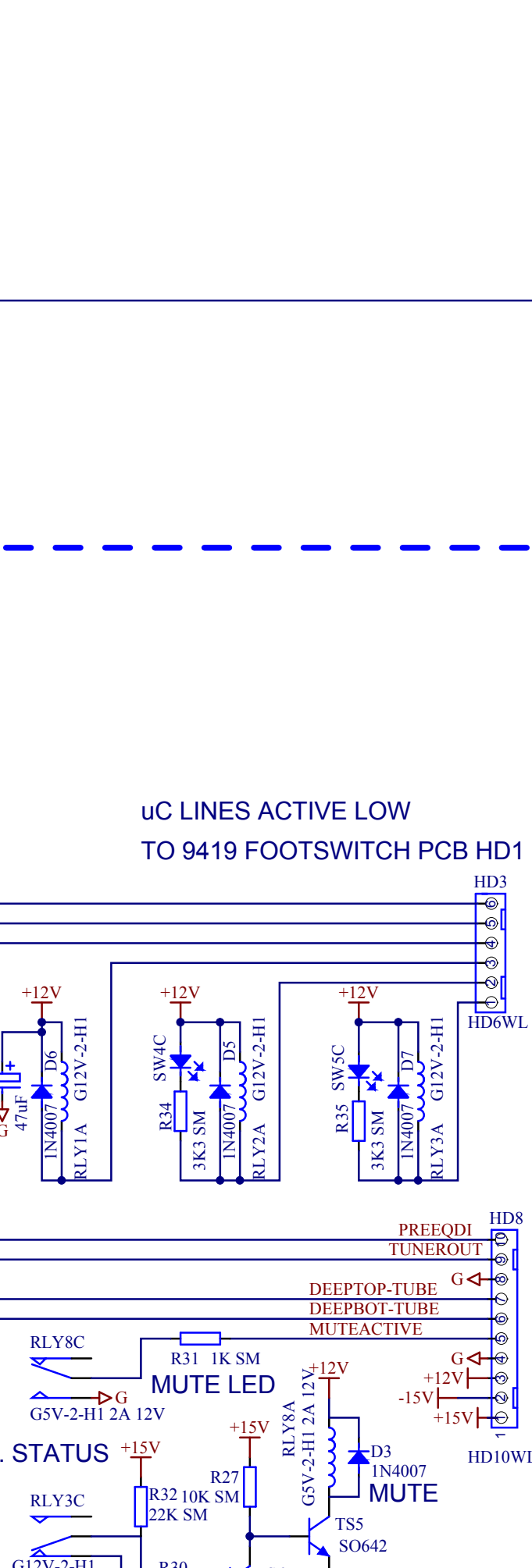
COMPRESSION



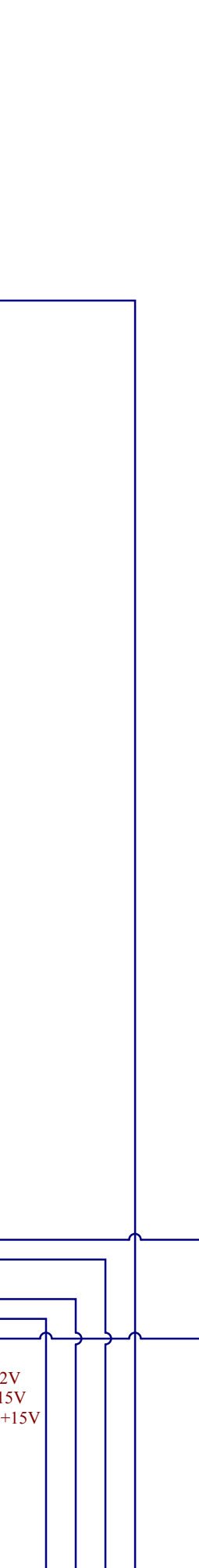
TREBLE



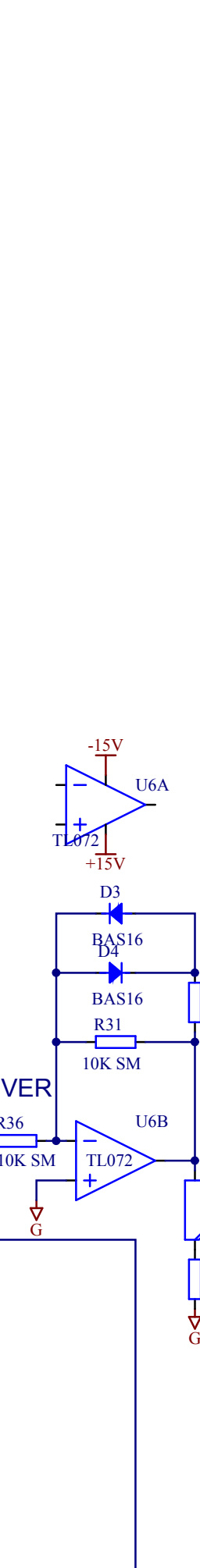
BASS



COMPRESSOR



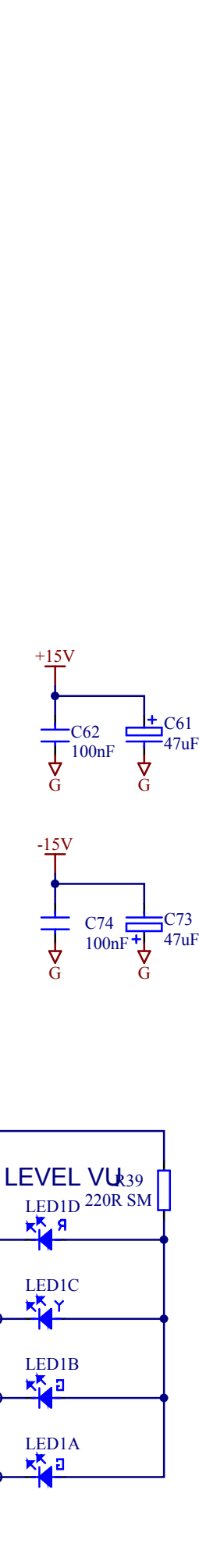
VU DRIVER



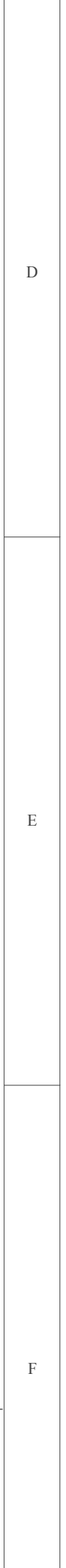
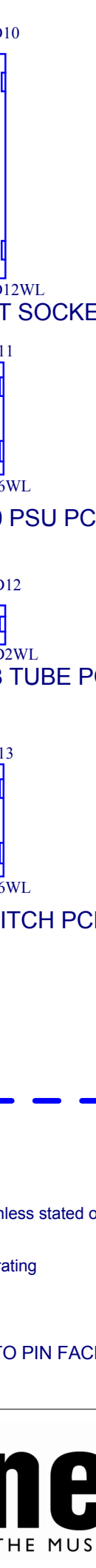
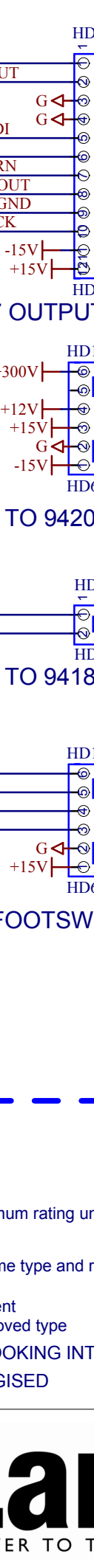
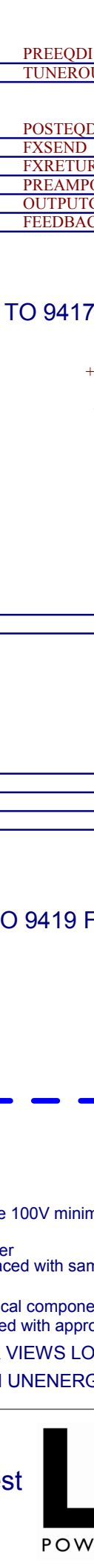
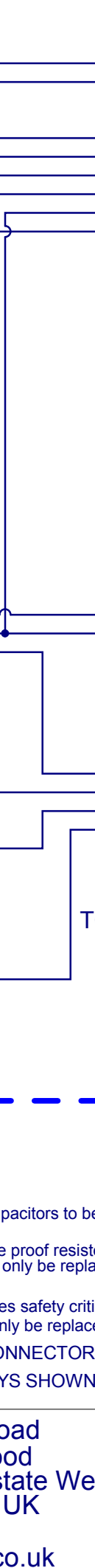
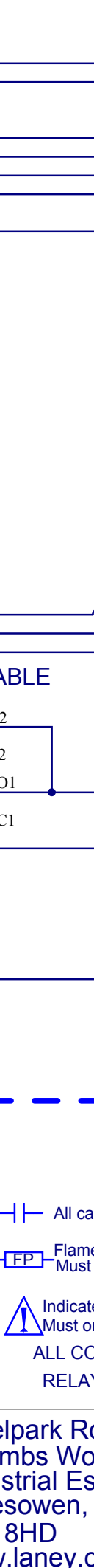
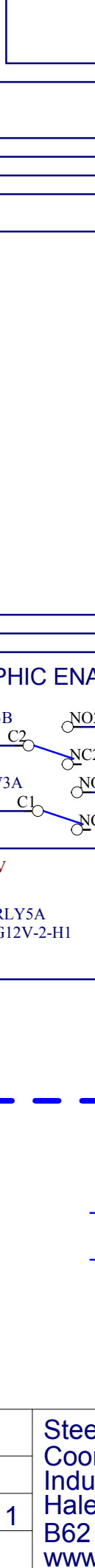
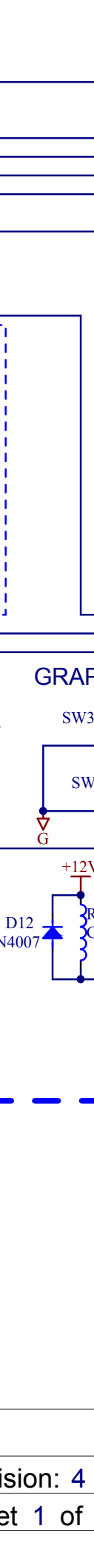
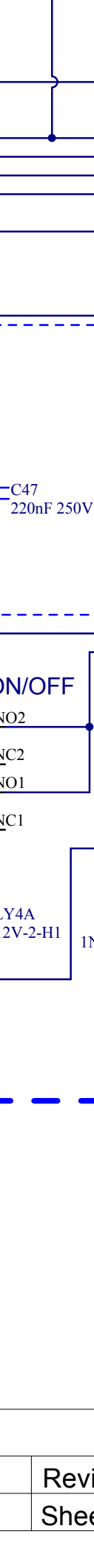
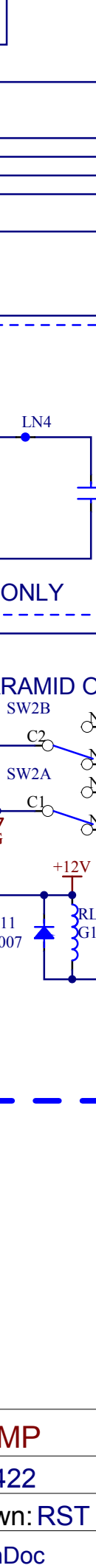
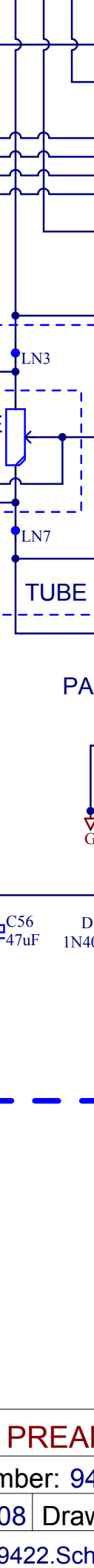
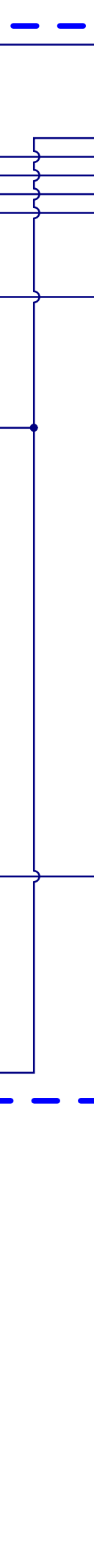
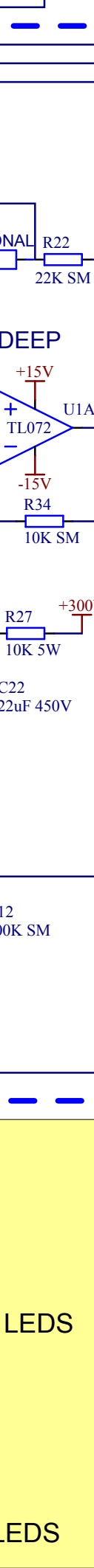
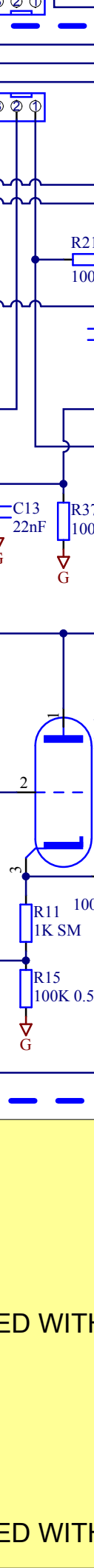
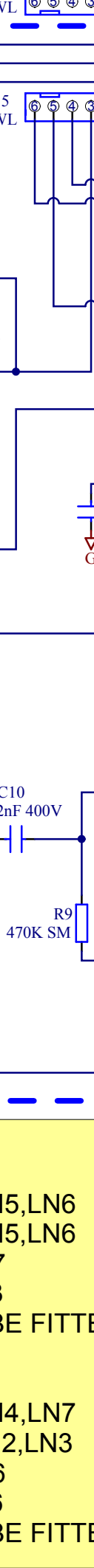
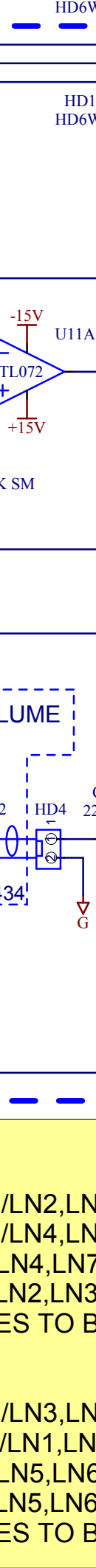
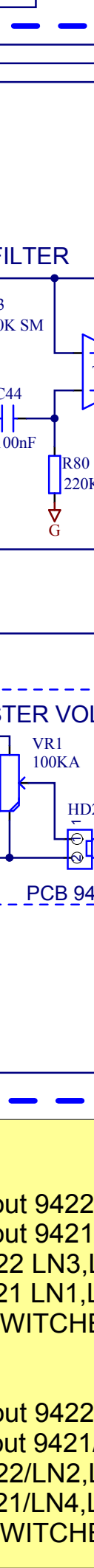
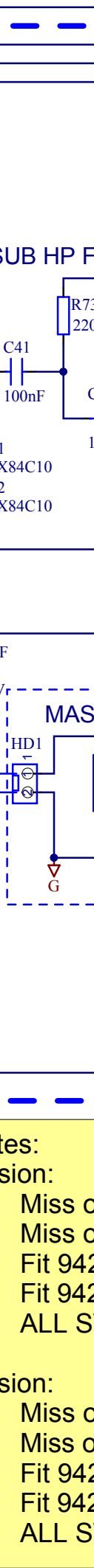
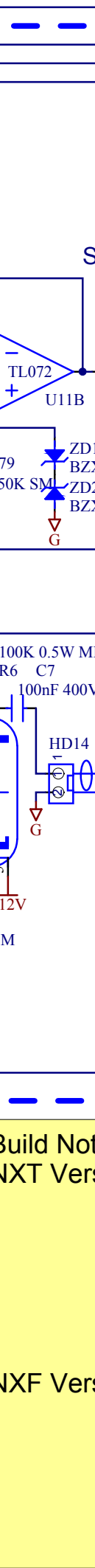
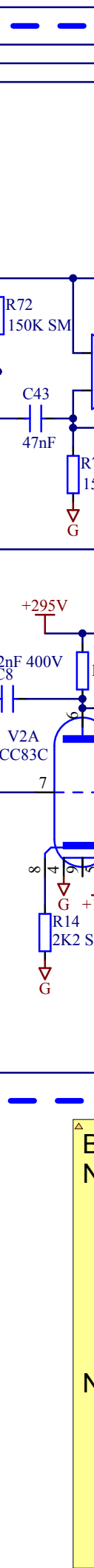
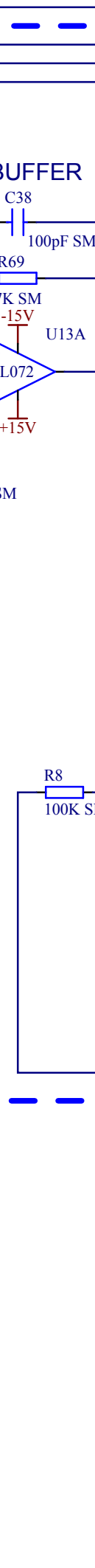
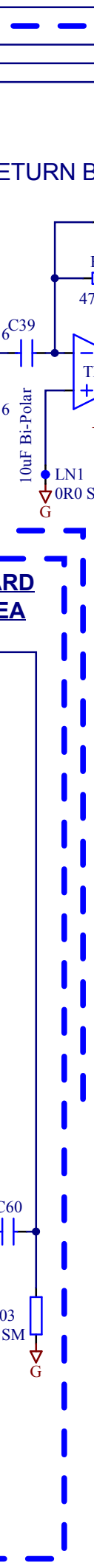
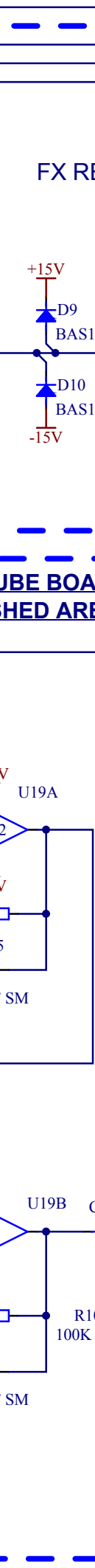
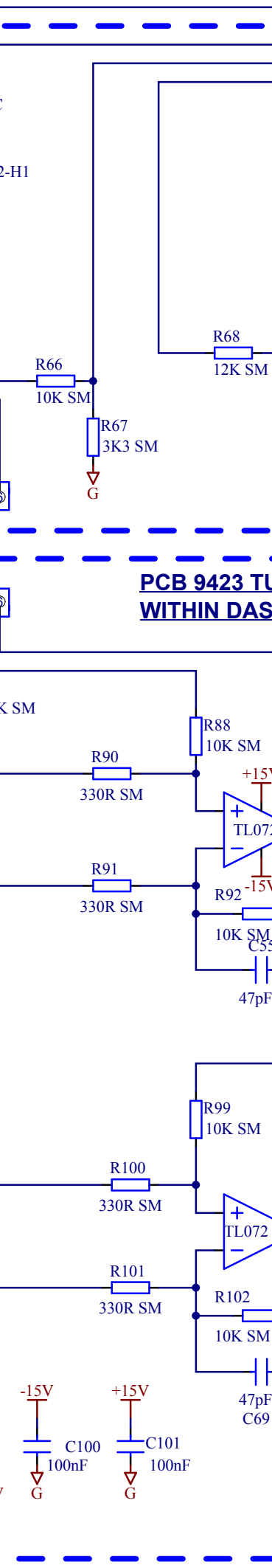
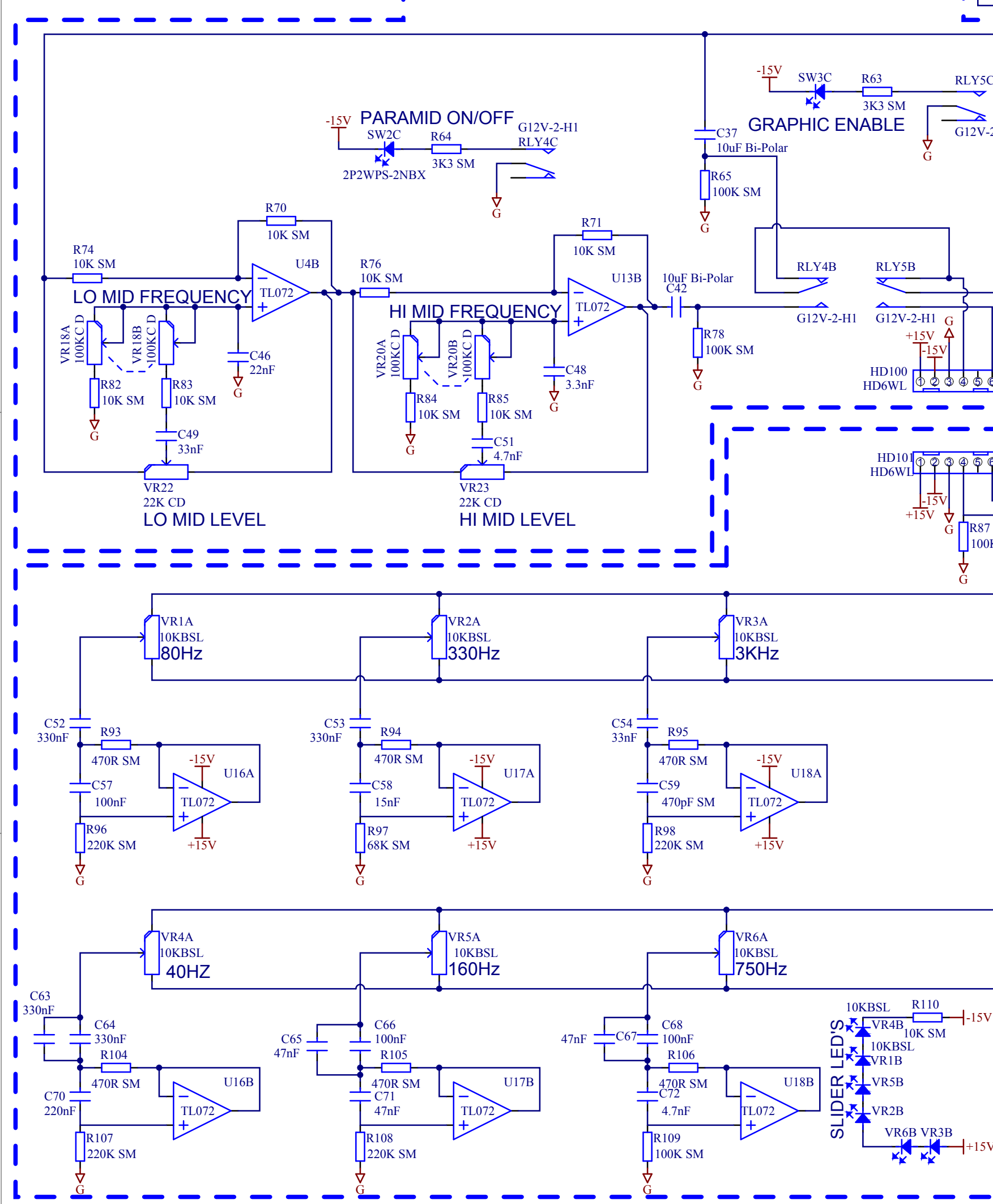
SIGNAL LEVEL VU



PRE-EQ

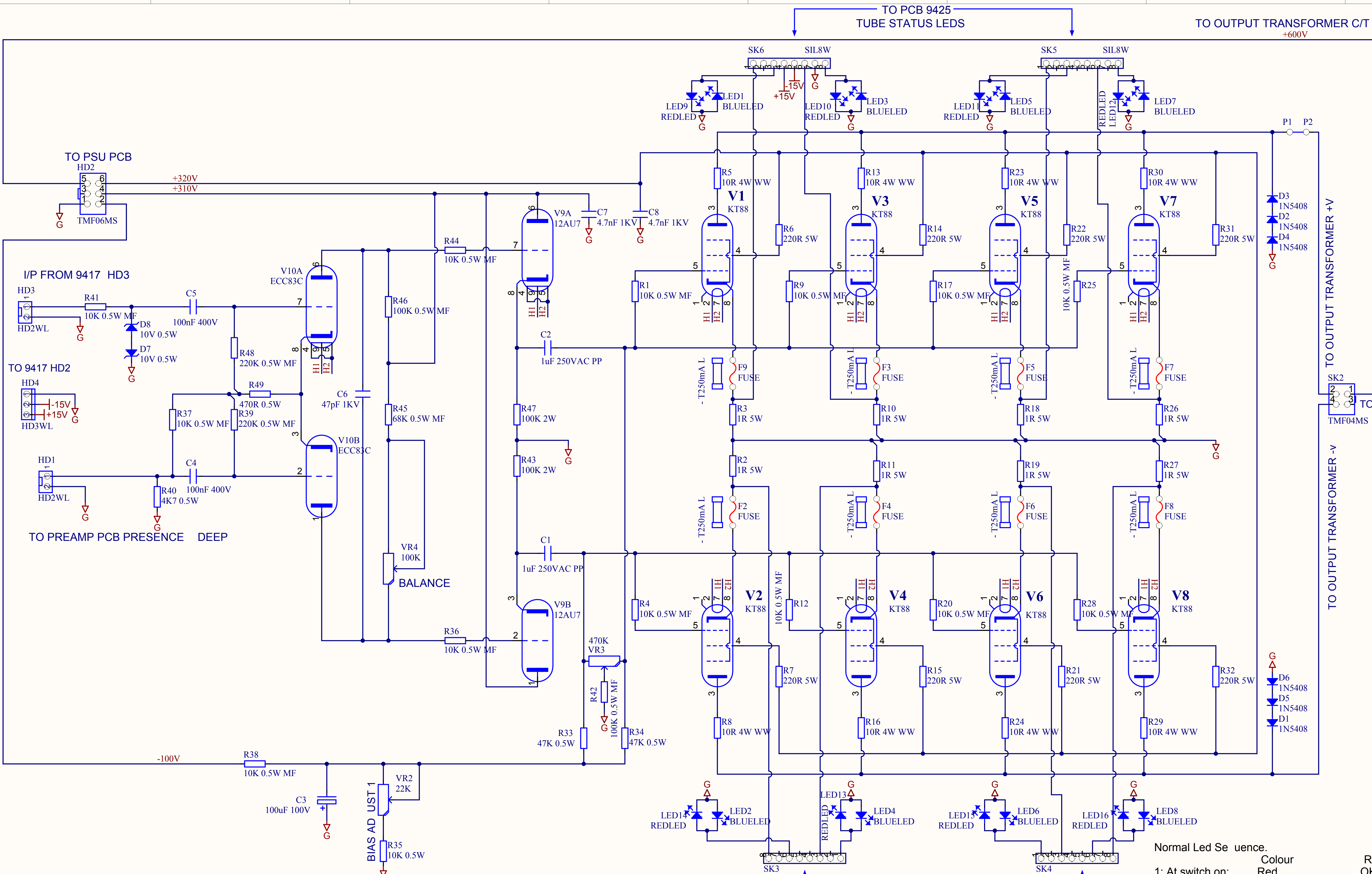


TUNER OUT

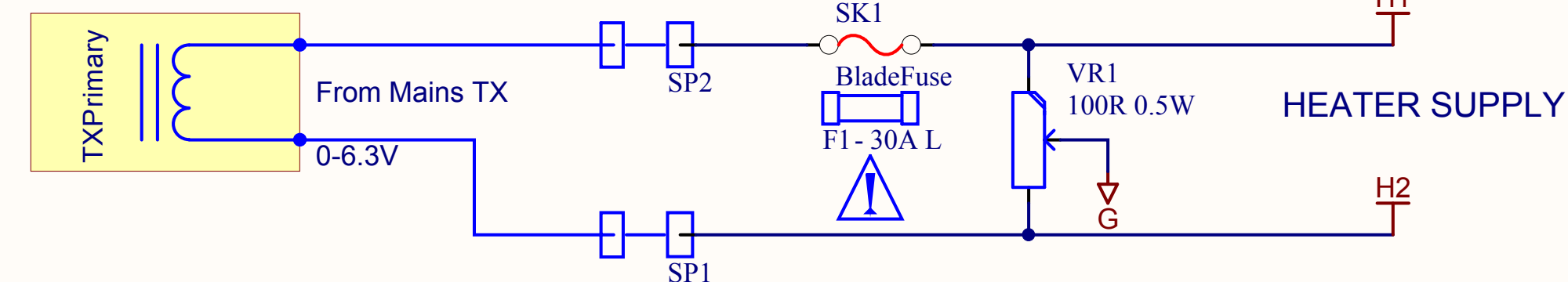


Build Notes:
NXT Version:
Miss out 9422/LN2, LN5, LN6
Miss out 9421/LN4, LN5, LN6
Fit 9422 LN3, LN4, LN7
Fit 9421 LN1, LN2, LN3
ALL SWITCHES TO BE FITTED WITH BLUE LEDS

NXF Version:
Miss out 9422/LN3, LN4, LN7
Miss out 9421/LN1, LN2, LN3
Fit 9422/LN2, LN5, LN6
Fit 9421/LN4, LN5, LN6
ALL SWITCHES TO BE FITTED WITH RED LEDS

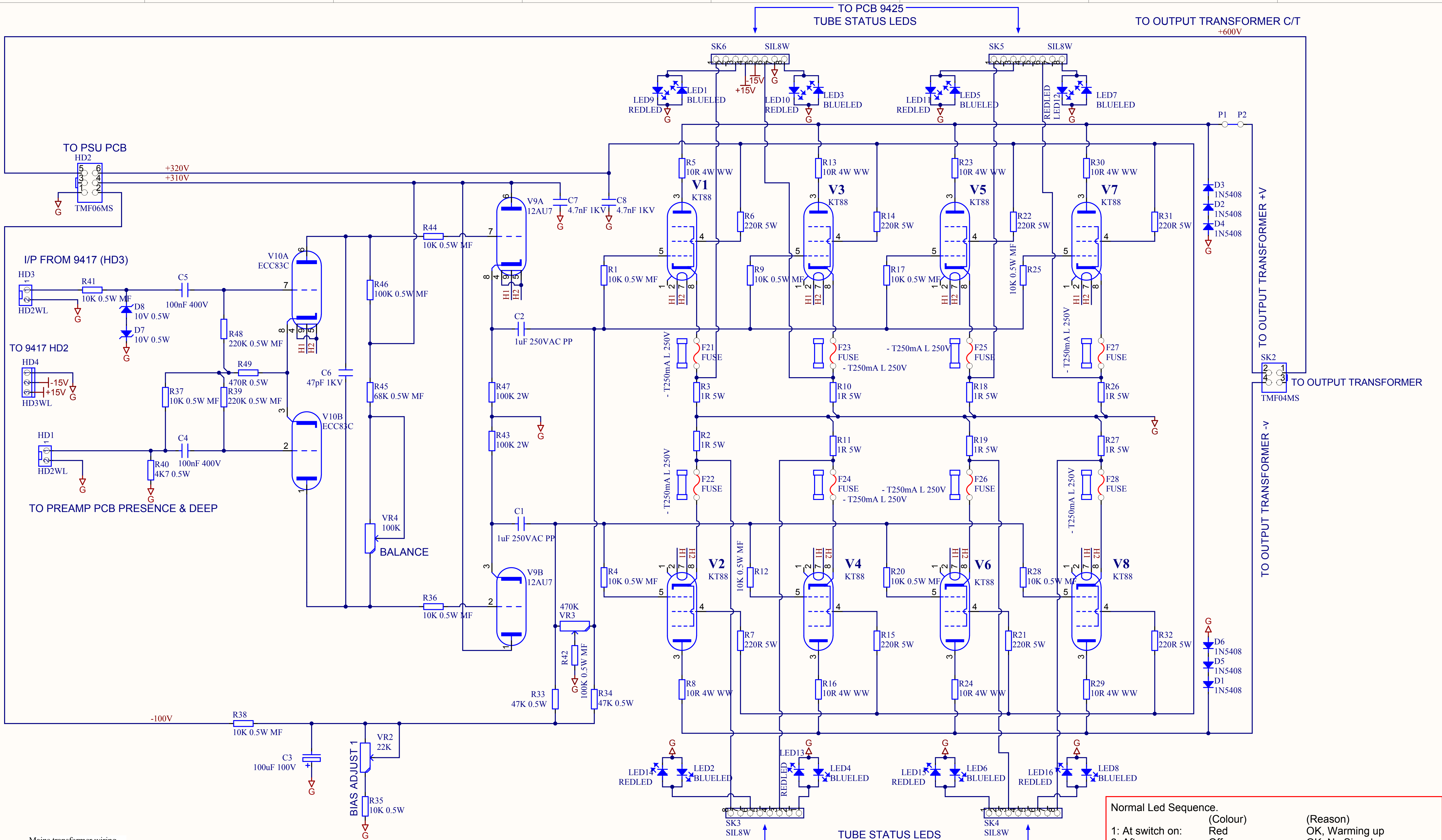


Mains transformer wiring details shown on 9420 Schematic.

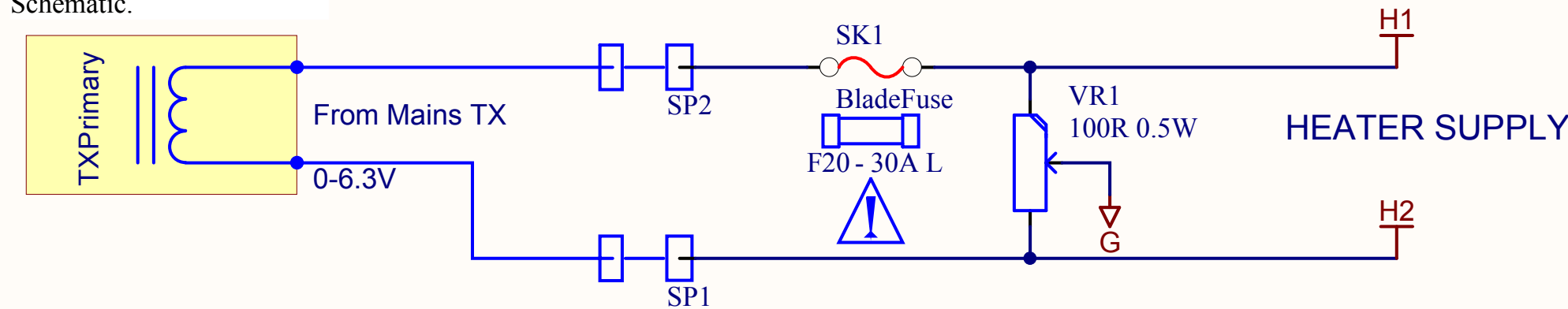


- Normal Led Sequence.
- | | Colour | Reason |
|--------------------|---------------|-------------------|
| 1: At switch on: | Red | OK Warming up |
| 2: After warm up: | Off | OK No Signal |
| 3: Signal present: | Flashing Blue | OK Signal Present |
- Fault Conditions.
- | | | |
|-------------------|------|--|
| 1: After warm up: | Red | Faulty tube and/or fuse failure:
If all tubes bias may be wrongly set |
| 2: After warm up: | Blue | Faulty tube
If all tubes bias may be wrongly set |

- All capacitors to be 100V minimum rating unless stated otherwise
- Flame proof resistor
Must only be replaced with same type and rating
- Indicates safety critical component
Must only be replaced with approved type



Mains transformer wiring details shown on 9420 Schematic.



⚡ All capacitors to be 100V minimum rating unless stated otherwise

FP Flame proof resistor
Must only be replaced with same type and rating

⚠ Indicates safety critical component
Must only be replaced with approved type

Normal Led Sequence.		
	(Colour)	(Reason)
1: At switch on:	Red	OK, Warming up
2: After warm up:	Off	OK, No Signal
3: Signal present:	Flashing Blue	OK, Signal Present
Fault Conditions.		
1: After warm up:	Red	Faulty tube and/or fuse failure: (If all tubes, bias may be wrongly set)
2: After warm up:	Blue	Faulty tube (If all tubes, bias may be wrongly set)

Title: **NXT Main Tube Output PCB**

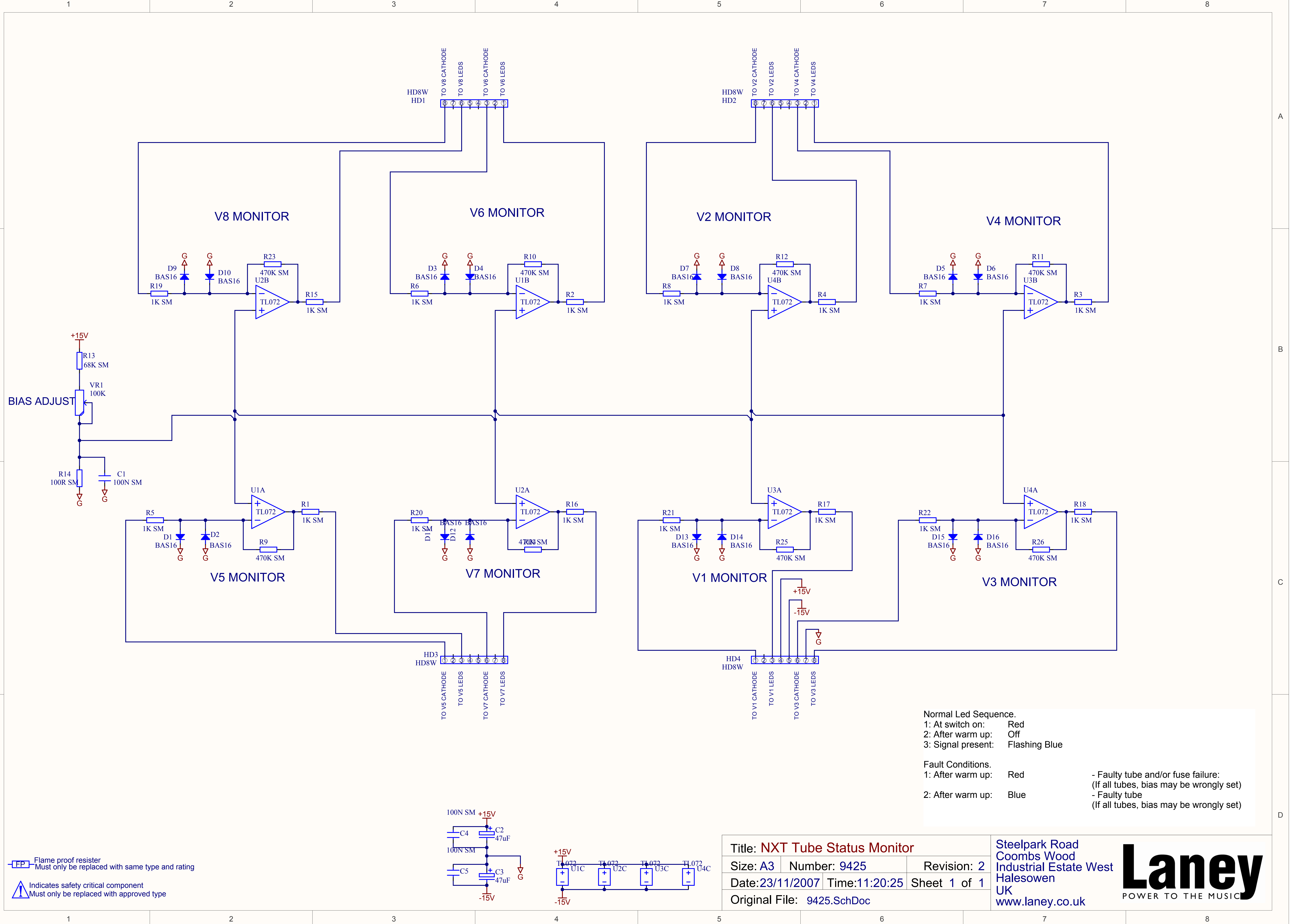
Size: A3 Number: 9418 Revision: 3

Date: 20/02/2008 Time: 14:31:09 Sheet 1 of 1

Original File: 9418.SchDoc

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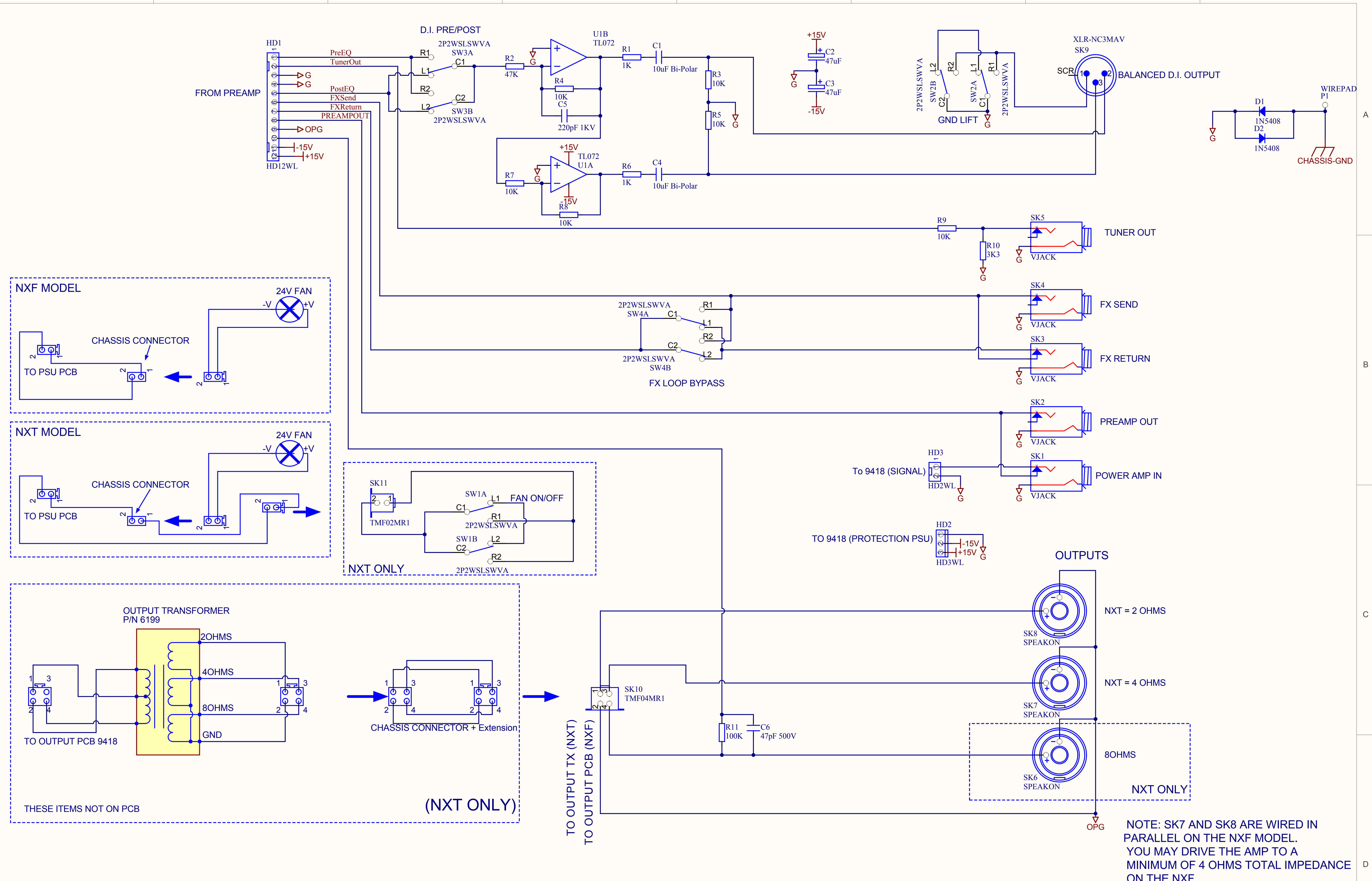
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Normal Led Sequence.
1: At switch on: Red
2: After warm up: Off
3: Signal present: Flashing Blue

Fault Conditions.
1: After warm up: Red
2: After warm up: Blue

- Faulty tube and/or fuse failure:
(If all tubes, bias may be wrongly set)
- Faulty tube
(If all tubes, bias may be wrongly set)



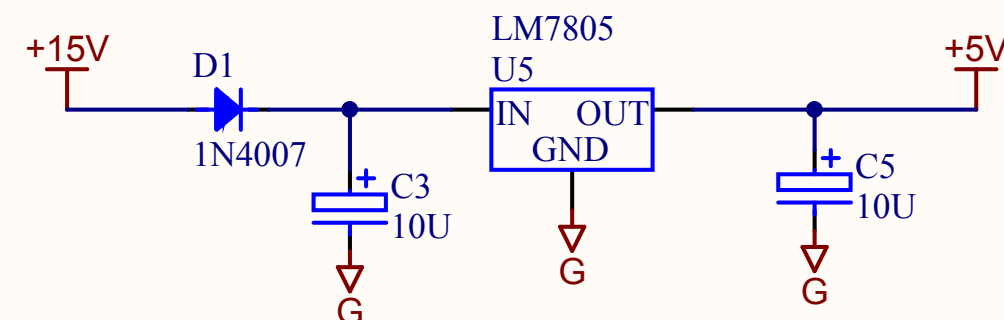
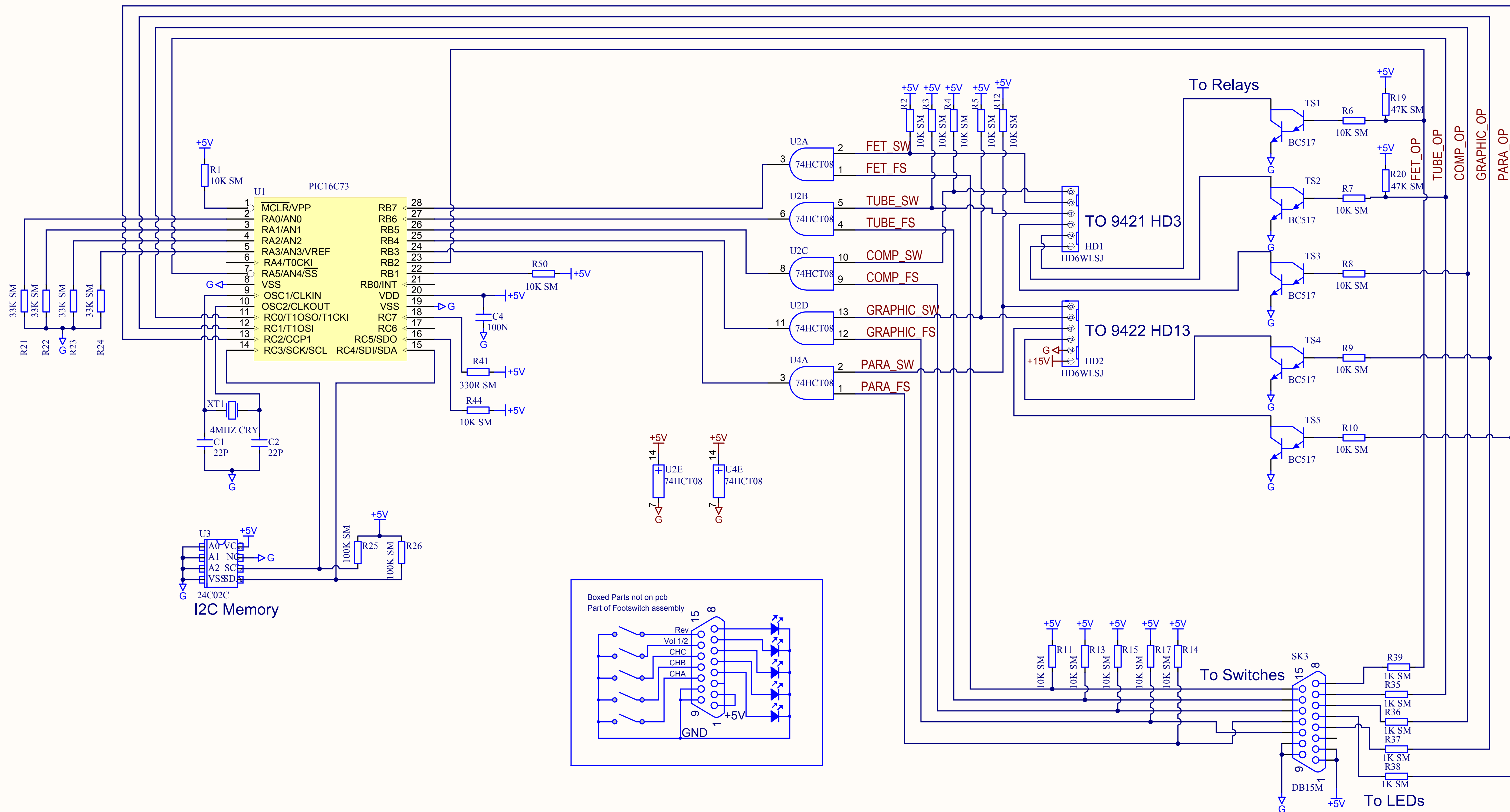
⚡ All capacitors to be 100V minimum rating unless stated otherwise

FP Flame proof resistor
Must only be replaced with same type and rating

⚠ Indicates safety critical component
Must only be replaced with approved type

Title: NXF/NXT Output Socket PCB			Steelpark Road Coombs Wood Industrial Estate West Halesowen UK www.laney.co.uk
Size: A3	Number: 9417	Revision: 4	
Date:20/02/2008	Time:11:59:42	Sheet 1 of 1	
Original File: 9417.SchDoc			

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FP Flame proof resistor
Must only be replaced with same type and rating

! Indicates safety critical component
Must only be replaced with approved type

Title: Nexus Footswitch Controller		
Size: A3	Number: 9419	Revision: 3
Date: 20/02/2008	Time: 15:20:05	Sheet 1 of 1
Original File: 9419.Sch		

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Model No. NXT (Nexus Tube)			
SPARES ITEM		DESCRIPTION	PART No.
Mains Transformer	100-230V	5600-6200 NXT Mains Transformer	006200
Output Transformer		Output Transformer	006199
Switch	Standby	DPST Black Rocker Switch	530027
	Power 230V	DPST Double Width Red Illuminated Rocker Switch	007305
	Power 100/120V	DPST Double Width Red Illuminated Rocker Switch	007435
Resettable Trip	100-120V	Resettable Trip 10A	005325
	230V	Resettable Trip 5A	007426
	All	60 Degree Thermal Trip	007401
PCB's	9417	NXT Output PCB Complete (3 Socket)	007313
		Tuner out, Fx	007374
		Send/Return,	
		Power Amp Out,	
		Preamp In	
		D.I. Out	007375
		Male XLR Socket PCB Mount (NON-Chassis Gnd Type)	
	Switch	Loudspeakers	007376
		Speakon Combi Connector	
		Gnd Lift, Pre-Eq, Vertical Slide Switch	007373
		Bypass, Fan	
	9421	NXT Input Preamp (Blue LED) PCB Complete	007300
		Fet Gain	004061
		22K Lin 6mm Spline	
		Tube Gain	004062
		100K Log 6mm Spline	
		Tube Level	004062
		100K Log 6mm Spline	
		Compressor	004071
		100K Lin 6mm Spline	
		Deep	004071
		100K Lin 6mm Spline	
		Pot Bracket	005127
		Sub	007371
		2P2W Illuminated Latching Push Switch (Blue)	
		Pad	
	Switch	Compressor On	007372
		2P2W Illuminated NON-Latching Push Switch (Blue)	
		Tube On	
		Fet on	
	Socket	Input	005097
		6.3 Mono Jack Skt standoff type	
	Safety	Resistor 10R 4W	007395
	9422	NXT Tube Preamp (Blue LED) PCB Complete	007299
		Bass	004099
		22K Lin Centre Detent 6mm Spline	
		Pot Bracket	005127
		Treble	004099
		22K Lin Centre Detent 6mm Spline	
		Lo-Mid Freq	004075
		100K Antilog 6mm Spline Dual	
		Lo-Mid Level	004099
		22K Lin Centre Detent 6mm Spline	
		Hi-Mid Freq	004075
		100K Antilog 6mm Spline Dual	
		Hi-Mid Level	004099
		22K Lin Centre Detent 6mm Spline	
		Presence	004099
		22K Lin Centre Detent 6mm Spline	
		Pot Bracket	005127
	Switch	Graphic On	007372
		2P2W Illuminated NON-Latching Push Switch (Blue)	
	Safety	Paramid On	
		Resistor 22K 1W	001401
		Resistor 10K 5W	001714
		Capacitor 22uF 450V	007204
	9423	NXT Graphic EQ (Blue LED) PCB Complete	007304
		B10K Illuminated Slider NXT (Blue LED)	007398
	9433	NXF/NXT Voltage selction PCB Complete	007302
		100-120V	540023
		T10A fuse 20mm	
		230V	005531
		T5A fuse 20mm	
		100-120V	003032
		Surge Guard SG26 (Rhpoint)	
		230V	003031
		Surge Guard SG40 (Rhpoint)	

PCB's	9418 Safety	NXT Output Tube PCB Complete	007314
		30A Blade Fuse (Green)	007397
		Resistor 10R 4W	007395
		T250mA Fuse 20mm	005528
	9420 Safety	NXT PSU PCB Complete	007298
		T2A Fuse 20mm	005526
		T1A Fuse 20mm	005530
		Surge Guard SCK20-10-8A	003031
		Capacitor 22uF 450V	007204
		Capacitor 100uF 450V	002032
		Capacitor 470uF 400V	007406
		Resistor 10K 5W	001714
		Resistor 4K7 5W	001733
		1.6A Polyswitch MF-R160-0-99	007403
	9425	NXT Tube Status Monitor PCB Complete	007316
	9419	NXF/NXT footswitch Microcontroller PCB Complete	007315
	9434	NXF/NXT Master Volume Suport PCB Complete	007303
Badge		Diecast Laney Badge (116mm)	007188
		Badge Support Brkt	007296
Control Knob	Small	14mm Knurled Knob with Pointer	007309-F
	Large	28mm Knurled Knob with Pointer	007310-F
	Push Switch	Cap for Illuminated Push Switch	007311-F
Mains Lead		Country Dependant	
Mains Inlet Socket	100-120V	EMI Filtered Mains Inlet 6A	005323
	230V	EMI Filtered Mains Inlet 3A	005319
Foot Switch		FS7 Footswitch	007321
		Footswitch Lead 15 Pin "D" Type	005088
Cabinet	Cabinet	Covered Carcass only (No Fittings)	007283
	Grill	Top Grill	007284
		Rear Grill	007285
	Handle	Bar Handle - Steel/Plastic - Top 90°	007262
	Feet	25mm high 38mm round rubber feet	007250
	Corner	Black non-hooked metal type	007035
Manual		NXT User Manual	007337
Tubes	Tube	ECC83 Std	005548
		ECC83 Hi Grade	005570
		KT88 Output Tube	007318
		12BH7 Driver Tube	007319
	Retainer	ECC83 Small Clip	005027
		EL84 Tube Retainer Clip	005026
		EL84 Wire & Ring	005575
Fan	NXF/NXT 24V DC Fan With TMF02FC Connector		007343
	80mm Chrome Finger Guard		005555