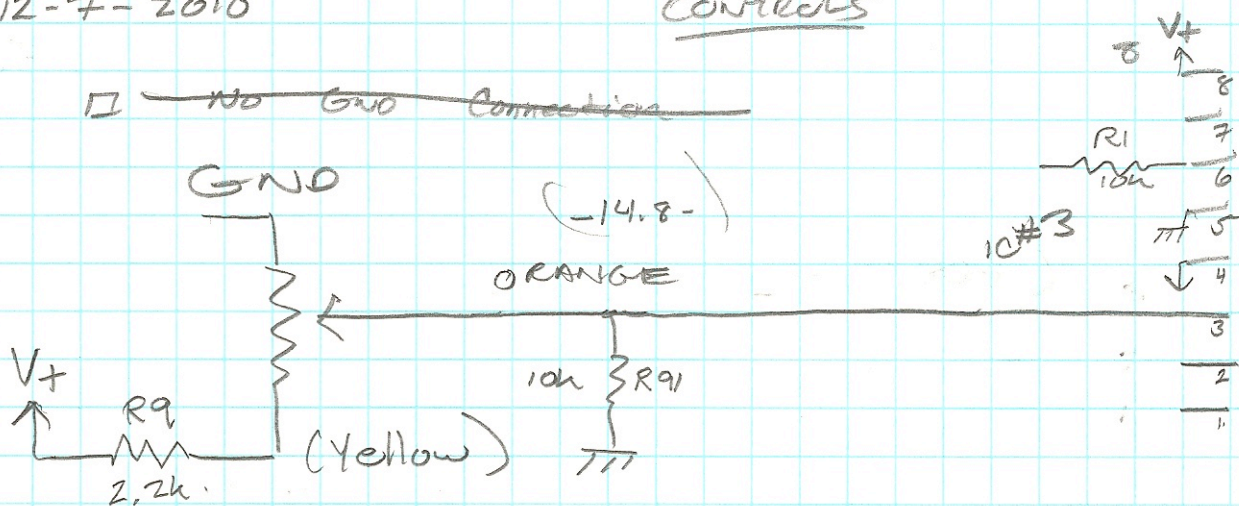


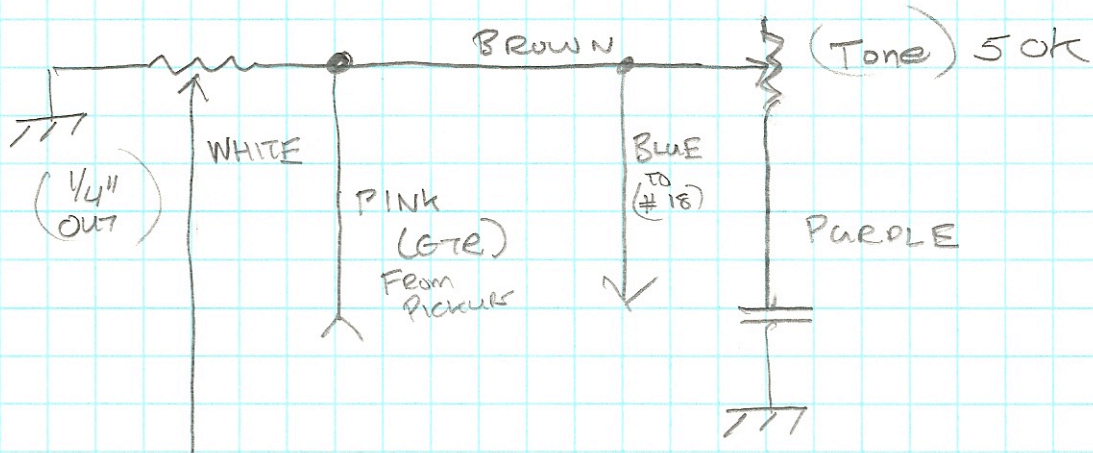
12-7-2010

VOLUME CONTROLS



Brown	RED	Orange	Yellow	Green	Blue	Purple
↓	↓	↓	↓	↓	↓	↓
Touch	Touch	Volume	Volume	GND	Tone	Tone
PAD	DAD	Out	Supply		Center	<u>END</u>
ON	OFF	↓			Pin	

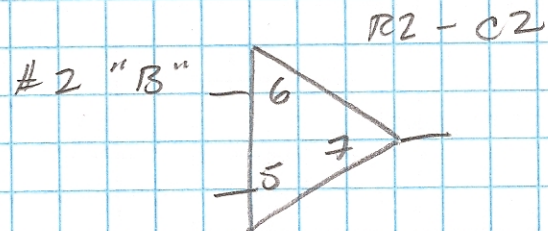
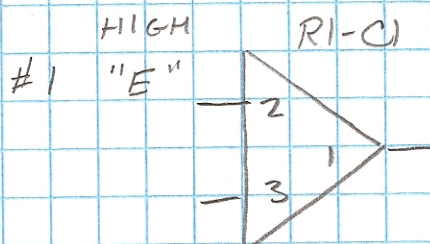
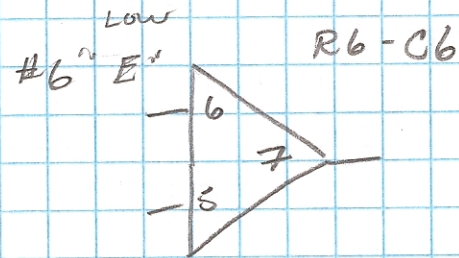
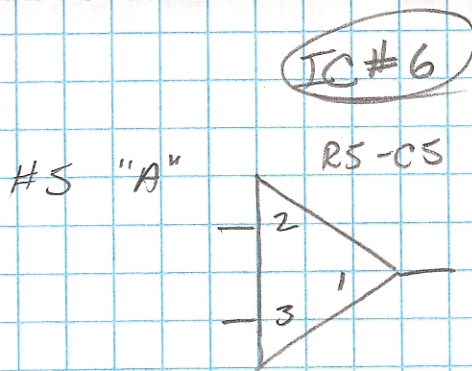
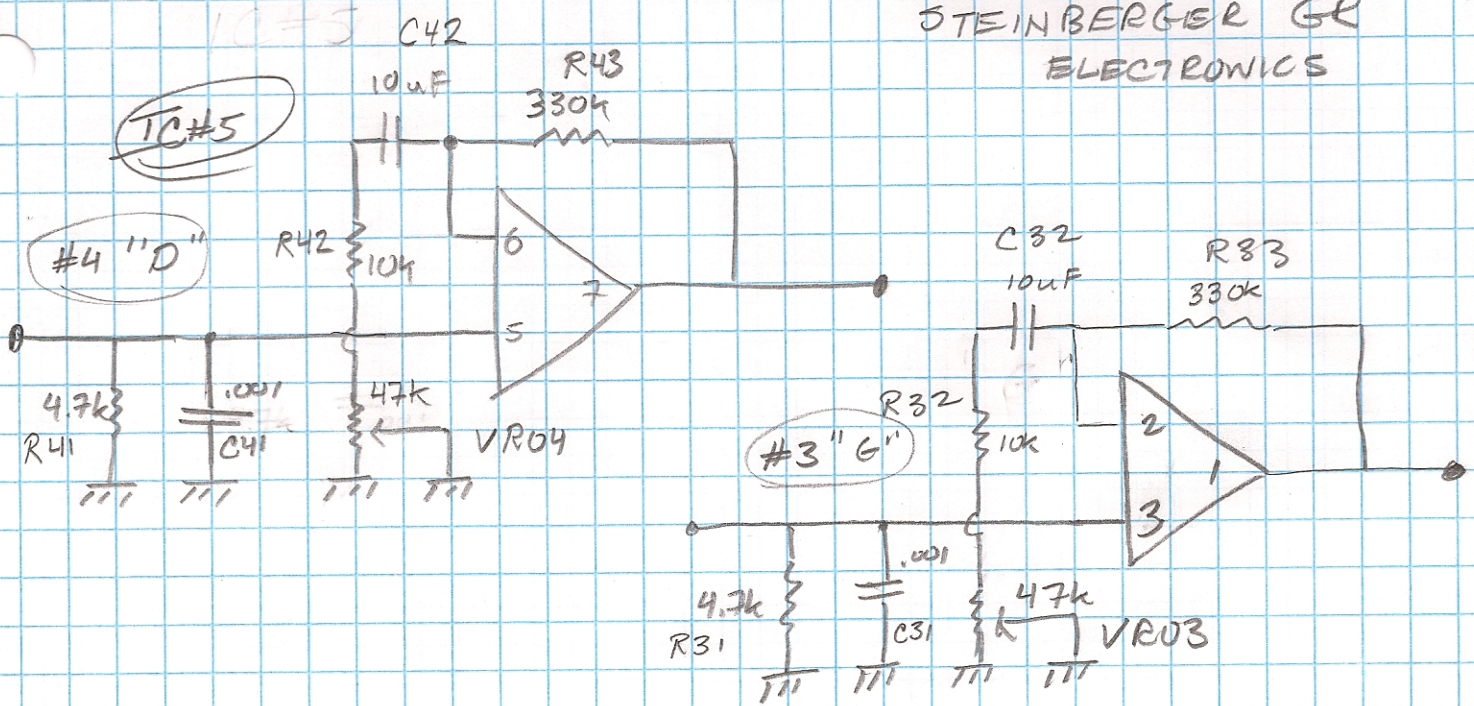
12-7-2010



W	B		
Yellow	Orange	Black	white
↓	↓	↓	↓
N/C	<u>GNP</u>	GTR OUT	ORANGE = TIP
			GREEN
			RED

1/4" JACK

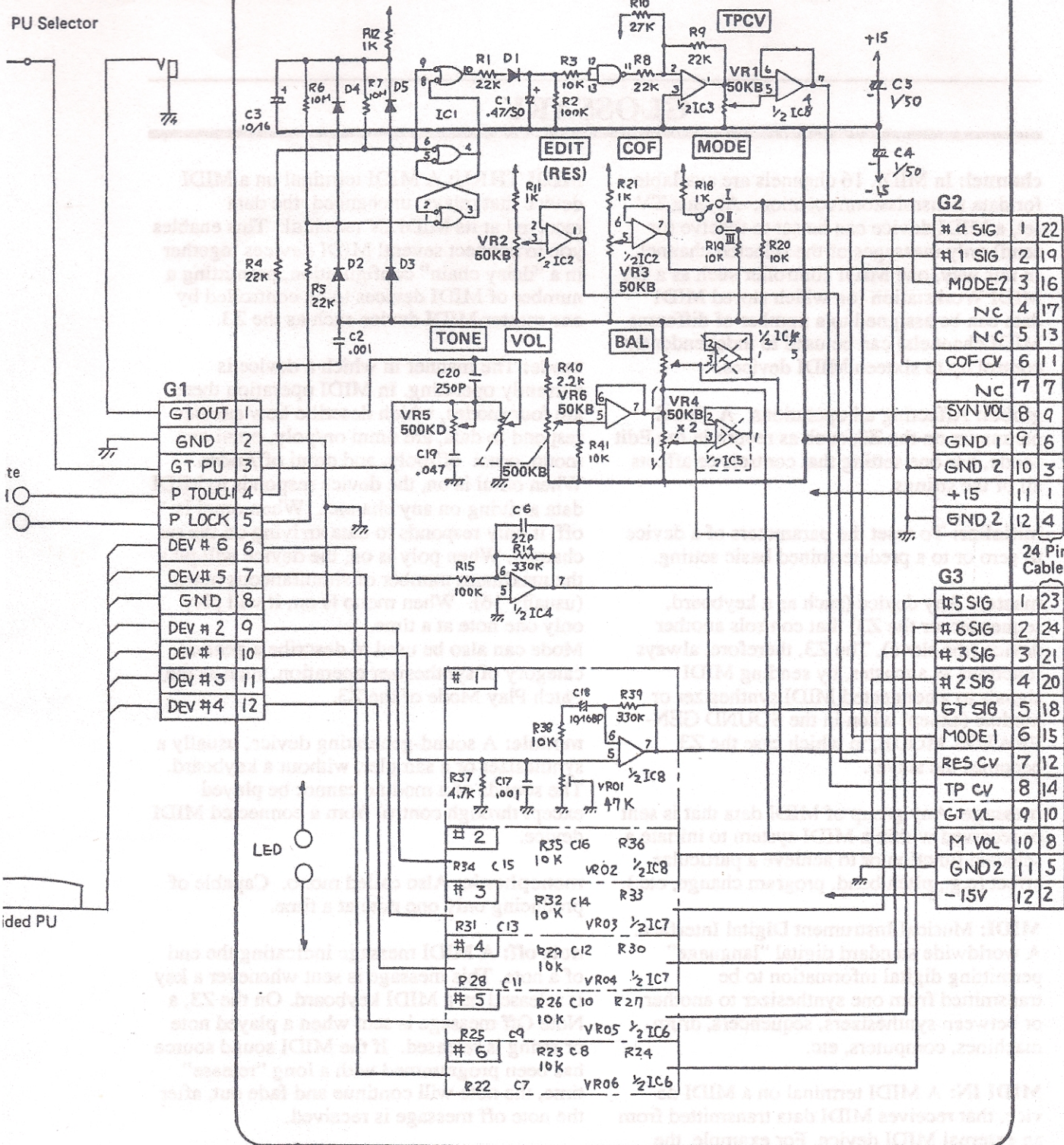
STEINBERGER GR
ELECTRONICS



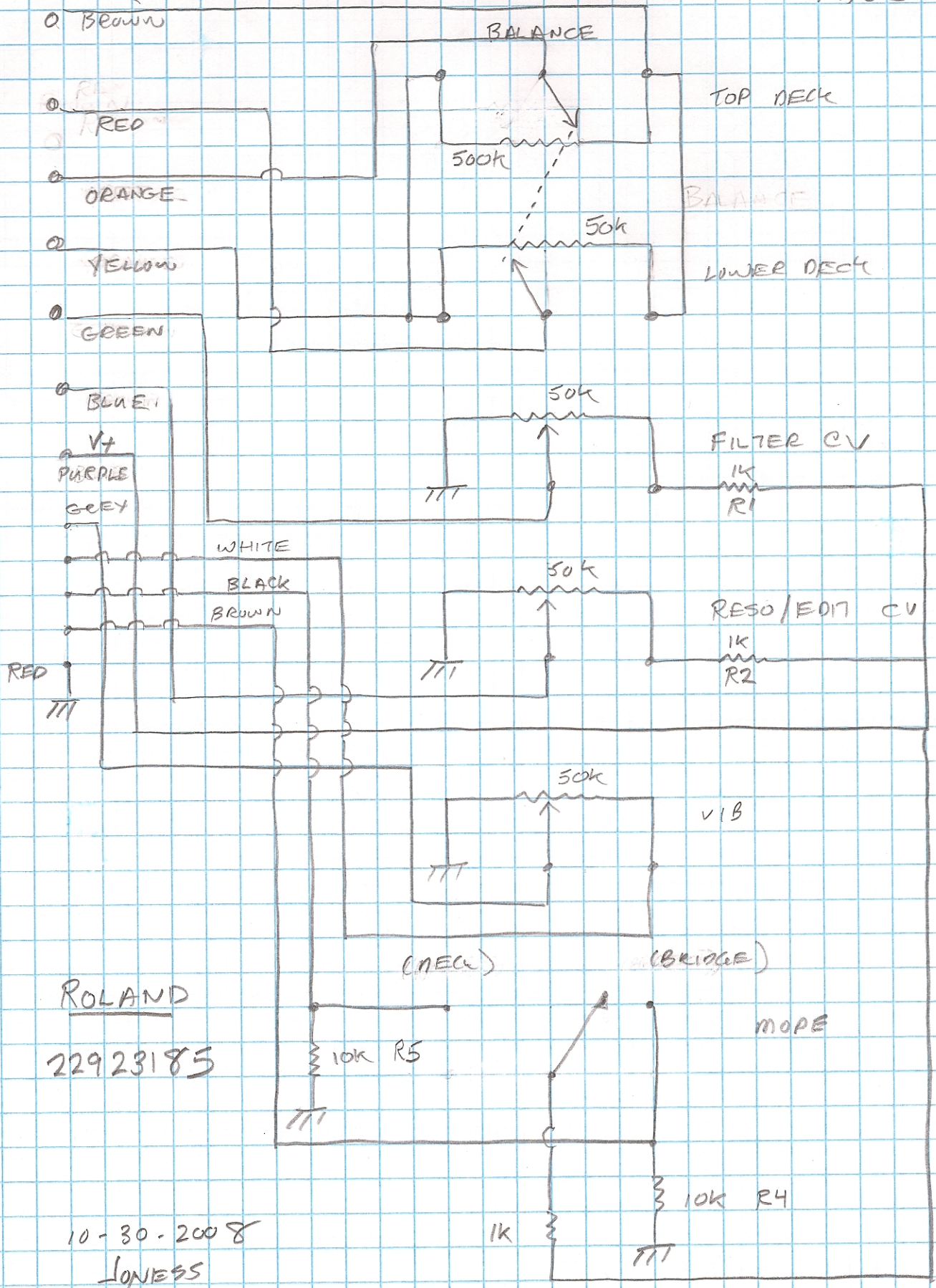
IC#4

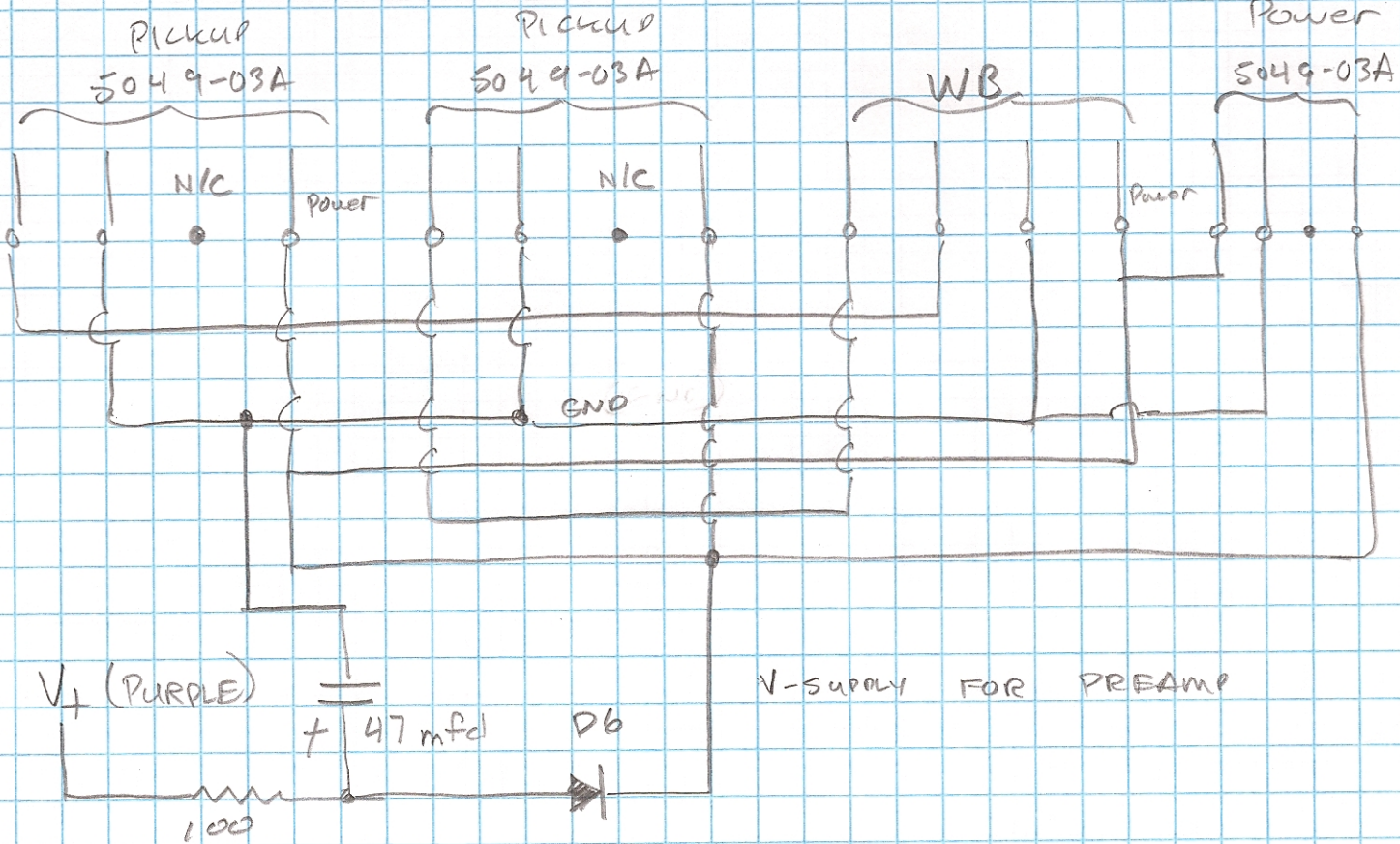
11-6-2008
JONES

PU Selector



D1-D5 : 1S2473
IC1 : TC4011
IC2-8 : M5218L



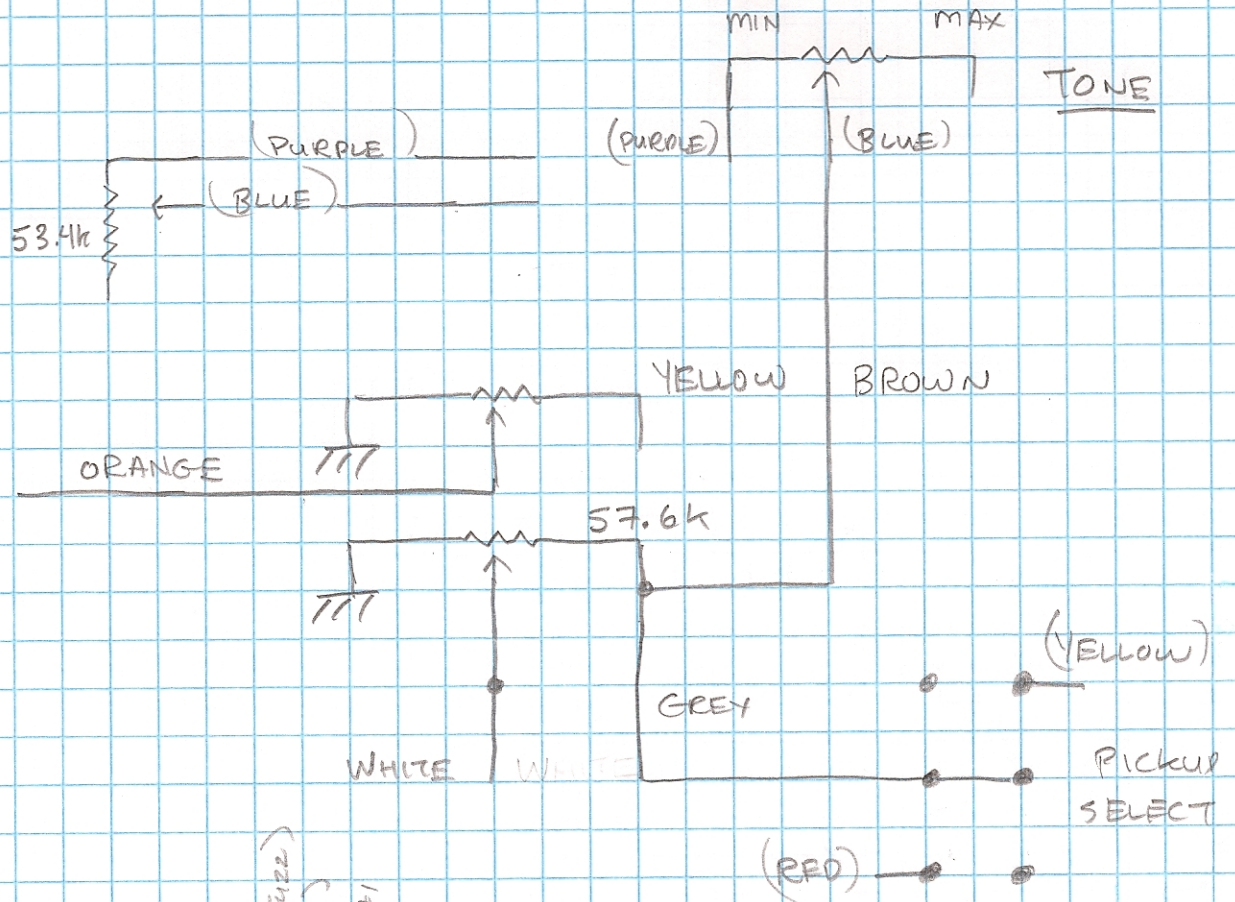


CONTROL BOARD -

PICKUP SECTION

10-31-2008

Jones



ROLAND

#5	023	22	#4	0
#6	024	19	#1	
#3	021	16	MODEZ	
#2	020	17	NC	(Hex Fuzz)
E7	018	13	NC	(Bend)
MODE1	015	11	COF	FILTER #1
RES	012	7	N/C	(7)
TPCV	014	9	5VdL	
GVOL	010	6	GND	
MVOL	008	3	GND	
ENG	003	1	+15V	
-15V	002	4	GND	

M VOL = 11.67 V

$$\hookrightarrow V_{OL} = 0$$
$$\Rightarrow v_a = 0$$
$$Cv \#1 = 0 - 14.03$$
$$CV\#2 = 0 - 14.03$$

SWITCH TO NECK - mode 2 = +12.3V

$$MODE 1 = 0$$

MITSUBISHI ICs (AV COMMON) M5218AL/P/FP

DUAL LOW-NOISE OPERATIONAL AMPLIFIERS (DUAL POWER SUPPLY TYPE)

DESCRIPTION

The M5218 are semiconductor integrated circuits designed for a low noise preamplifier in audio equipment and a general-purpose operational amplifier in other electronic equipment. Two low noise operational amplifier circuits displaying internal phase-compensated high gain and low distortion are contained in an 8-pin SIP, DIP or FP for application over a wide range as a general-purpose dual amplifier in general electronic equipment.

The devices have virtually the same characteristics as the 4557, 4558, 4559 and 741 operational amplifiers.

The units can also be used as a single power supply type and amplifier in portable equipment. It is also suitable as a headphone amplifier because of its high load current.

FEATURES

- High gain, low distortion
..... $G_{VO}=110\text{dB}$, $\text{THE}=0.0015\%$ (typ.)
- High slew rate, high f_T
..... $\text{SR}=2.2\text{V}/\mu\text{s}$, $f_T=7\text{MHz}$ (typ.)
- Low noise ($R_S=1\text{k}\Omega$) FLAT $V_{NI}=2\mu\text{Vrms}$ (typ.)
RIAA $V_{NI}=1\mu\text{Vrms}$ (typ.)
- Operation with low supply voltage
..... $V_{CC}\geq 4\text{V}(\pm 2\text{V})$
- High load current, high power dissipation
..... $I_{LP}=\pm 50\text{mA}$, $P_d=800\text{mW}$ (SIP)
 $P_d=625\text{mW}$ (DIP), $P_d=440\text{mW}$ (FP)

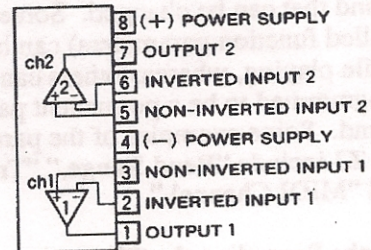
APPLICATION

General-purpose amplifier in stereo equipment, tape decks, and radio stereo cassette recorders; active filters, servo amplifiers, operational circuits in other general electronic equipment.

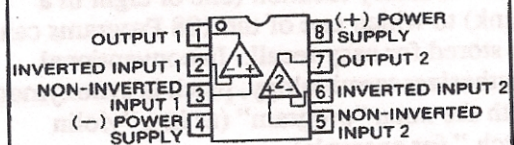
RECOMMENDED OPERATING CONDITION

Supply voltage range	$\pm 2 \sim \pm 15\text{V}$
Rated supply voltage	$\pm 15\text{V}$

PIN CONFIGURATION (TOP VIEW)

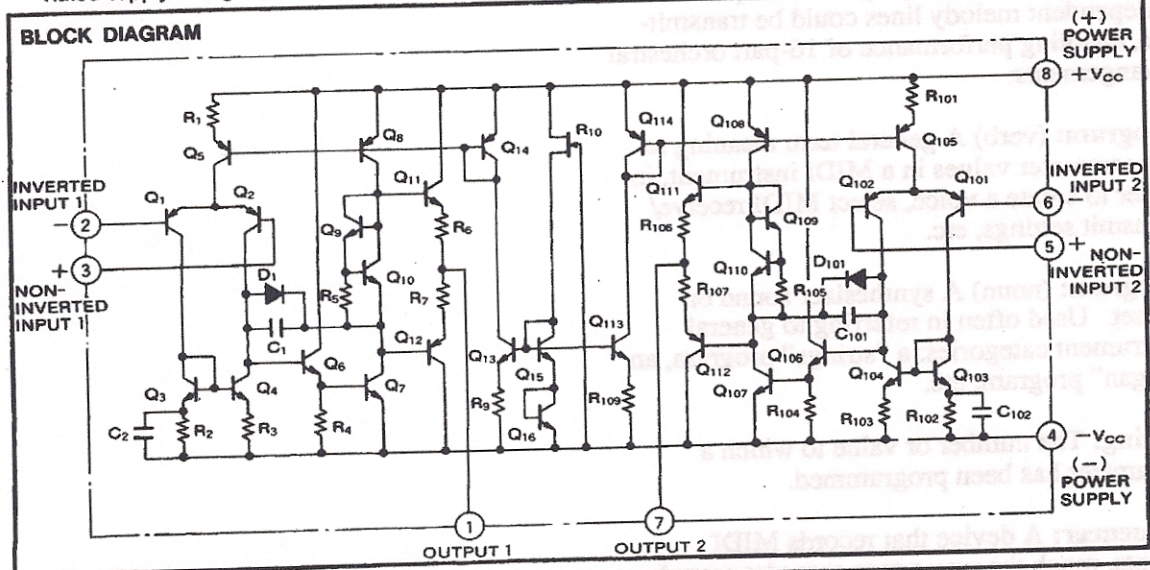


Outline 8P5 (AL)



Outline 8P4 (AP)
8P2S-A (AFP)

BLOCK DIAGRAM



6249826 0021533 477

