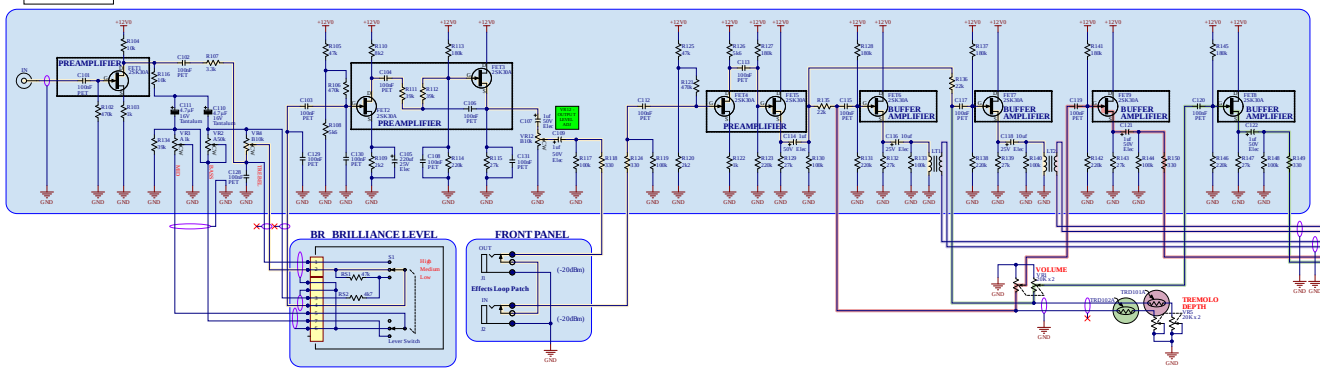
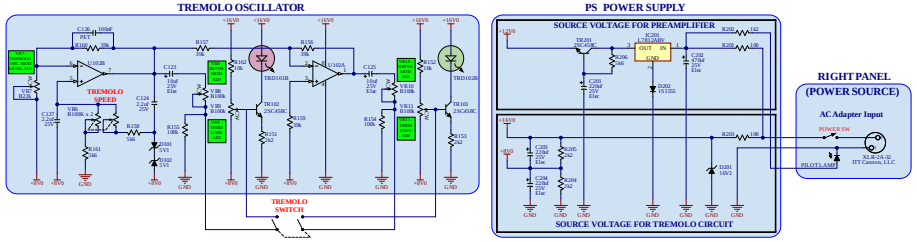
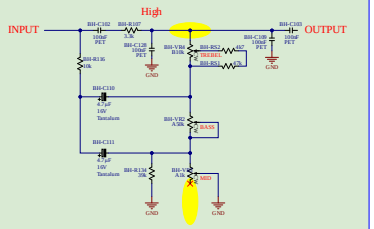
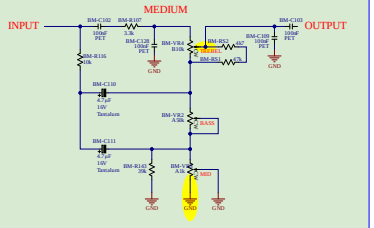


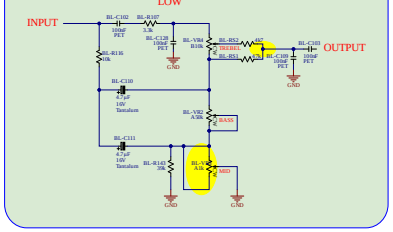


TONE BRILLIANCE LEVEL BREAKDOWN

Below is a breakdown of the tone circuit and Brilliance Switch. The circuits are drawn with th switch in each of its 3 positions (High, Medium, and Low). This allows for easier diagnostics and modification. In the TINA spice graphs which I have exported as BMPs, you can get a better idea of what each position does. The yellow highlights are the changes from one position to another.







Schematic Notes:

The MCD-527 LDRs (Light Dependent Resistors):
TRD101 and TRD102, are split into 2 parts each. These parts are the LED light source (Part B - Highlighted Green) and the Photoresistor (Part A - Highlighted Red).

Signal Flow:
Audio enters from the piezo pickups at the upper left and is highlighted in yellow all the way to the buffer amplifiers where it is split into unvbalanced high and balanced low impeadance stereo signals. The left high impeadance signal is highlighted in red while the right high impeadance signal is highlighted in green. The left low impeadance signal is highlighted in purple while the right low impeadance signal is highlighted in pink.

The tone brilliance signals are detailed on the far right, external controls are labeled in bold red, and adjustment pots are highlighted in bright green boxes.

Clicking on any component in the PDF file will show the original part number, part specifications, and notes on replacement parts.

Using the PDF file bookmarks, you can jump to any specific part or net.

Title	Yamaha CP-80 Preamplifier (redrawn)
Size	D
N/A	Revision 1.1.7
Date	1/17/2005
Sheet 1 of 1	
File	C:\Tinaw6\CP80 Preamp.SchDoc
Drawn By	JA SWAN