

# **TWINMATCH™**

## **IHF>PRO DUAL STEREO INTERFACE**

### **HENRY ENGINEERING**

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### **DESCRIPTION**

TWINMATCH is a level and impedance converter designed to interface consumer or "semi-professional" equipment to professional studio gear. TwinMatch converts the outputs of unbalanced "IHF" (-10 dBv) equipment to balanced Lo-Z lines at +4 dBm. Four channels of interface permit operation with a pair of stereo audio sources, eg, two stereo CD players or R-DAT decks. All circuitry is active and direct coupled for exceptional sonic accuracy.

### **INSTALLATION**

Connect the unbalanced source(s) to the TwinMatch inputs via the RCA jacks on the rear panel. There are two stereo inputs, labeled "1" and "2". Each stereo input has a Left and Right input jack.

The TwinMatch balanced outputs are via the male XLR connectors on the rear panel. The mating XLR connectors should be wired as follows:

Pin 1 = Ground  
Pin 2 = Signal HI  
Pin 3 = Signal LO

Note: To drive an unbalanced load, connect to pins 1 and 2 ONLY. Do NOT short pin 3 to ground!

The TwinMatch will drive any load of 600 ohms or higher. It is not necessary to terminate the outputs.

### **ADJUSTMENT**

Each channel of the TwinMatch has a gain adjustment. It is set at the factory for a gain of 14 db, so that a -10 dBv input will produce an output of +4 dBm. The gains may be changed via the trimpots on the front panel. The gain range is from +6 to +20 dB.

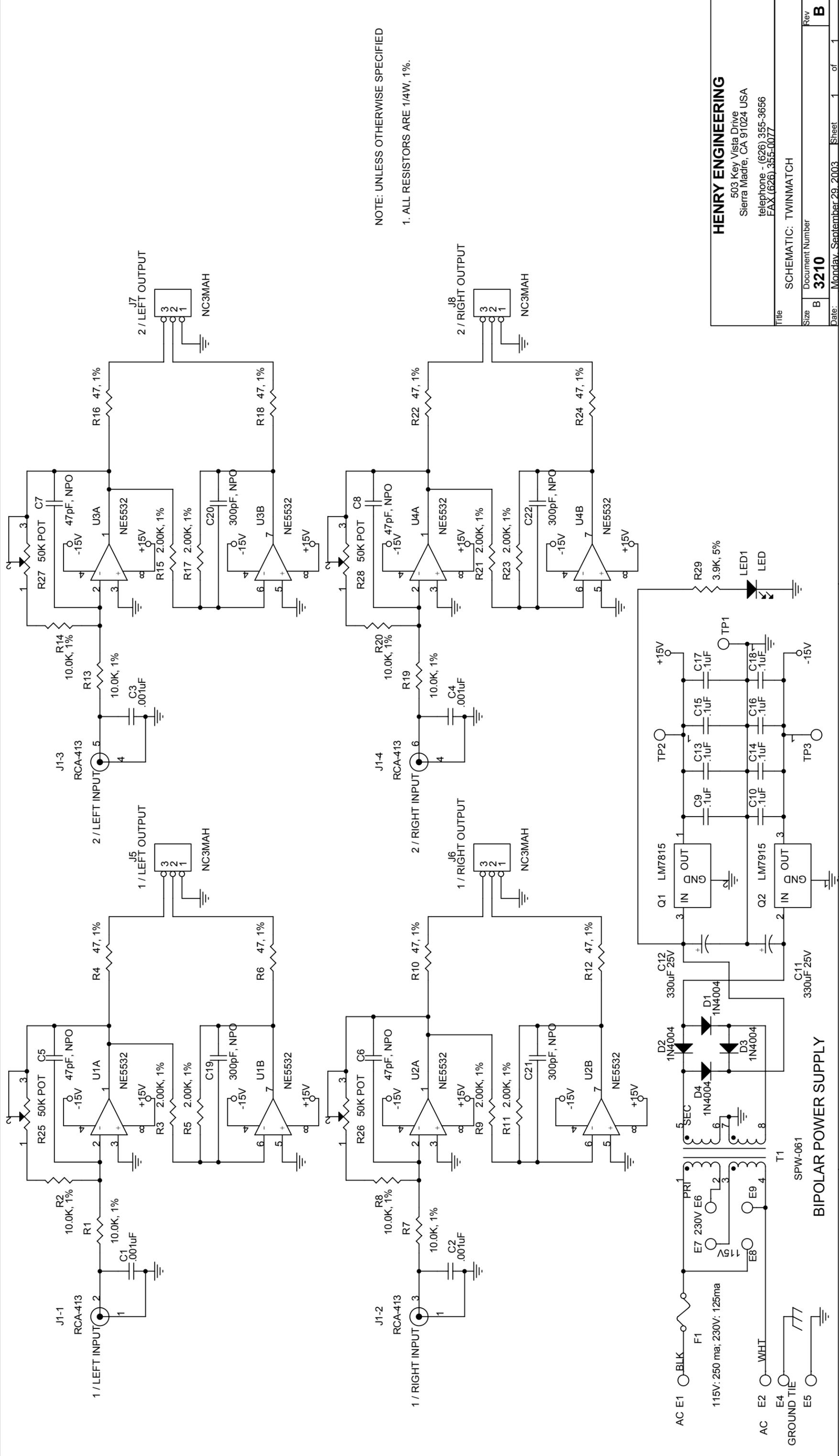
### **SPECIFICATIONS**

INPUT LEVEL	-10 dBv nominal
INPUT IMPED	25k ohms, unbalanced
GAIN	+6 to +20 dB
OUTPUT LEVEL	+4 dBm nominal, +26 dBm max
OUTPUT LOAD	600 ohms or higher per channel
FREQ RESPONSE	DC to 20 kHz, +/- 0.25 dB
NOISE LEVEL	85 dB below +4 dBm output
DISTORTION	.008% IM/THD

Specification subject to change without notice.

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NOTE: UNLESS OTHERWISE SPECIFIED  
 1. ALL RESISTORS ARE 1/4W, 1%.

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**BIPOLAR POWER SUPPLY**