

TWINMATCHTM

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.

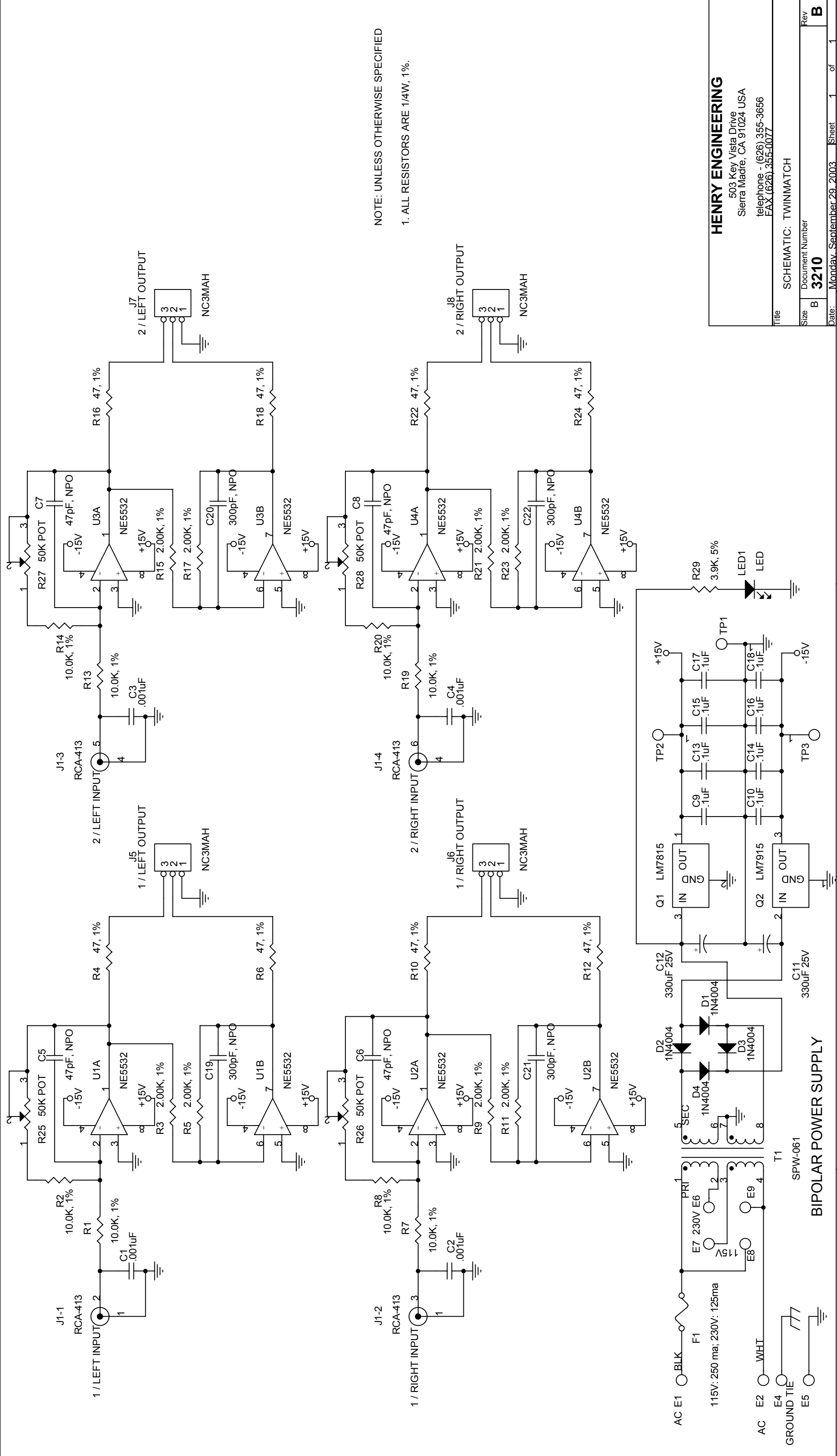
SPECIFICATIONS

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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