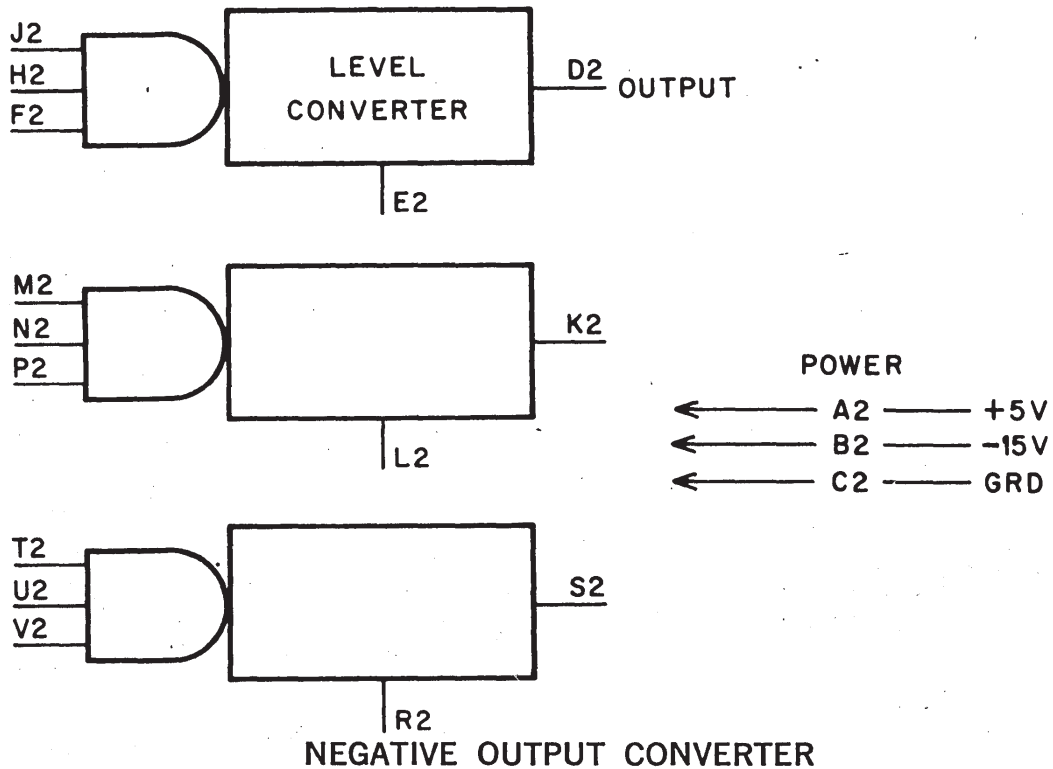


NEGATIVE OUTPUT CONVERTER M650

M SERIES



0 IN => -3V
+3 IN => 0 OUT

The M650 contains three non-inverting signal converters which can be used to interface the positive logic levels or pulses (of duration greater than 100 nsec) of K and M series to DIGITAL negative logic levels of -3 volts and ground. These converters provide current drive at a low output impedance so that unterminated cables or wires can be driven with a minimum of ringing and reflections.

The converters operate at frequencies up to 2 Mc with maximum rise and fall total transition of respectively 75 nsec and 115 nsec. By grounding pin E2 (L2 or R2) the rise and fall total transition times can be increased to avoid ringing on exceptionally long lines. The converter then operates at frequencies up to 500 KHz with typical rise and fall total transition times of 500 nsec.

A positive AND condition at the input gate produces a ground output. If any input is at ground the converter output is at -3 volts.

Inputs: Each input presents 1 unit load.

Outputs: Each output is capable of driving ma. at ground and at -3 volts.

Power: +5 volts, 37 ma. (max.); -15 volts, 29 ma. (max.)

M650 — \$25