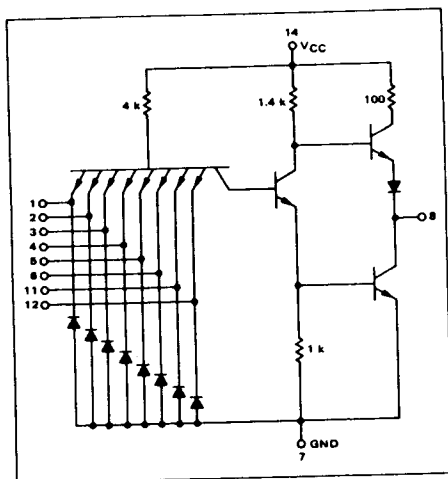


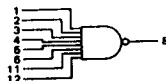
8-INPUT "NAND" GATE

MTTL MC7400P series  
MTTL MC5400L/7400L series

MC5430L\*  
MC7430P,L\*



This device is an 8-input NAND gate. It is useful when processing a large number of variables, such as in encoders and decoders.



Positive Logic:

$$g = 1 + 2 + 3 + 4 + 5 + 6 + 11 + 12$$

Negative Logic:

$$g = 1 + 2 + 3 + 4 + 5 + 6 + 11 + 12$$

Input Loading Factor = 1

Output Loading Factor = 10

Total Power Dissipation = 10 mW typ/pkg

Propagation Delay Time = 13 ns typ

\* L suffix = TO-116 ceramic package (Case 632)  
P suffix = TO-116 plastic package (Case 606)  
See General Information section for package outline dimensions.

SWITCHING TIME TEST CIRCUIT

VOLTAGE WAVEFORMS AND DEFINITIONS

