16-CHANNEL DATA SELECTOR
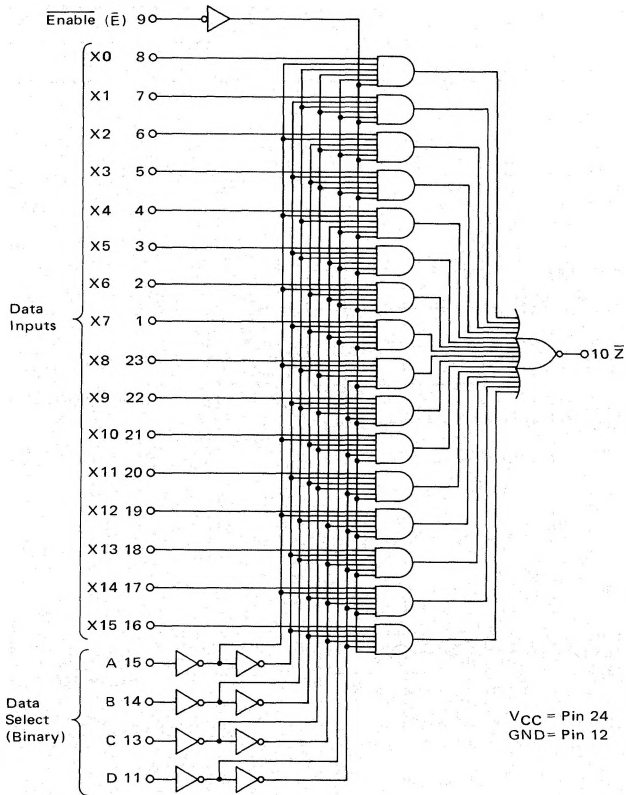
MC54150
MC74150

Compatible with MC5400/7400 Series devices.

ADVANCE INFORMATION/PRODUCT PREVIEW*

Soon to be announced, the MC54150/74150 16-channel data selector routes digital data present at one of the 16 inputs to the output, Z. The input data to be routed is chosen according to the select code (binary number) present at the select inputs.

$$Z = E \cdot (\overline{A}\,\overline{B}\,\overline{C}\,\overline{D}\ X0 + A\overline{B}\,\overline{C}\,\overline{D}\ X1 + \overline{A}B\overline{C}\,\overline{D}\ X2 + AB\overline{C}\,\overline{D}\ X3 + \overline{A}\,\overline{B}C\overline{D}\ X4 + A\overline{B}C\overline{D}\ X5 + \ldots + ABCD\ X15)$$

Total Power Dissipation = 200 mW typ/pkg
Propagation Delay Time = 8.5 to 35 ns typ

---

*Products to be introduced