Product Preview

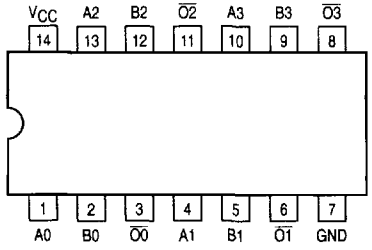
Low-Voltage CMOS Quad 2-Input XNOR Gate
With 5V-Tolerant Inputs

The MC74LCX810 is a high performance, quad 2–input XNOR gate operating from a 2.7 to 3.6V supply. High impedance TTL compatible inputs significantly reduce current loading to input drivers while TTL compatible outputs offer improved switching noise performance. A V_I specification of 5.5V allows MC74LCX810 inputs to be safely driven from 5V devices.

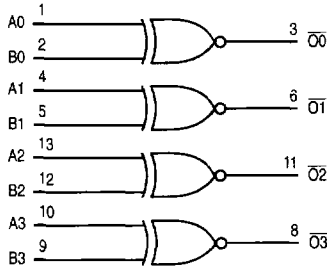
Current drive capability is 24mA at the outputs.

- Designed for 2.7 to 3.6V V_{CC} Operation
- 5V Tolerant Inputs — Interface Capability With 5V TTL Logic
- LVTTL Compatible
- LVCMOS Compatible
- 24mA Balanced Output Sink and Source Capability
- Near Zero Static Supply Current (10μA) Substantially Reduces System Power Requirements
- Latchup Performance Exceeds 500mA
- ESD Performance: Human Body Model >2000V; Machine Model >200V

Pinout: 14–Lead (Top View)



LOGIC DIAGRAM



This document contains information on a product under development. Motorola reserves the right to change or discontinue this product without notice.

MC74LCX810

LCX

LOW–VOLTAGE CMOS QUAD 2–INPUT XNOR GATE

D SUFFIX
PLASTIC SOIC
CASE 751A–03

M SUFFIX
PLASTIC SOIC EIAJ
CASE 965–01

SD SUFFIX
PLASTIC SSOP
CASE 940A–03

DT SUFFIX
PLASTIC TSSOP
CASE 948G–01

PIN NAMES

Pins	Function
An, Bn	Data Inputs
$\overline{On}$	Outputs

FUNCTION TABLE

Inputs		Outputs
An	Bn	$\overline{On}$
L	L	H
L	H	L
H	L	L
H	H	H