

MC74LCX07

Low Voltage CMOS Hex Buffer with Open Drain Outputs and 5V-Tolerant Inputs

Product Overview

For complete documentation, see the data sheet.

The MC74LCX07 is a high performance hex buffer operating from a 2.3 to 3.6 V supply. High impedance TTL compatible inputs significantly reduce current loading to input drivers. These LCX devices have open drain outputs which provide the ability to set output levels, or do active-HIGH AND or active-LOW OR functions. A VI specification of 5.5 V allows MC74LCX07 inputs to be safely driven from 5 V devices.

Features

- Designed for 2.3 to 5.5 V VCC Operation
- 5 V Tolerant Inputs/Outputs
- LVTTTL Compatible
- LVCMOS Compatible
- 24mA Output Sink Capability
- Near Zero Static Supply Current (10mA) Substantially Reduces System Power Requirements
- Latchup Performance Exceeds 500mA
- ESD Performance: Human Body Model >1500V; Machine Model >200V
- Wired-OR, Wired-AND
- Output Can Be Set Externally Without Affecting Speed or Device

For more features, see the data sheet

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channels	Output	V _{CC} Min (V)	V _{CC} Max (V)	t _{pd} Max (ns)	I _O Max (mA)	Package Type
MC74LCX07DG	0.212		Active	6	Open Drain	2	5.5	3	24	SOIC-14
MC74LCX07DR2G	0.1644		Active	6	Open Drain	2	5.5	3	24	SOIC-14
MC74LCX07DTG	0.2373		Active	6	Open Drain	2	5.5	3	24	TSSOP-14
MC74LCX07DTR2G	0.1757		Active	6	Open Drain	2	5.5	3	24	TSSOP-14