

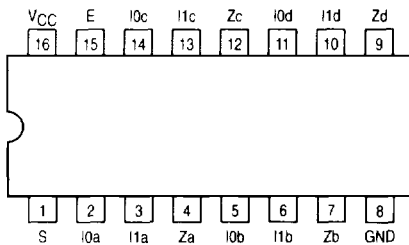
*Product Preview*  
**Low-Voltage CMOS Quad  
2-Input Multiplexer  
With 5V-Tolerant Inputs**

The MC74LCX157 is a high performance, quad 2-input multiplexer 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 MC74LCX157 inputs to be safely driven from 5V devices.

Four bits of data from two sources can be selected using the Select and Enable inputs. The four outputs present the selected data in the true (non-inverted) form. The MC74LCX157 can also be used as a function generator. 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
- LVTTTL Compatible
- LVCMOS Compatible
- 24mA Balanced Output Sink and Source Capability
- Near Zero Static Supply Current (10 $\mu$ A) Substantially Reduces System Power Requirements
- Latchup Performance Exceeds 500mA
- ESD Performance: Human Body Model >2000V; Machine Model >200V

**Pinout: 16-Lead Plastic Package (Top View)**




**TRUTH TABLE**

Inputs				Outputs
E	S	I0n	I1n	Zn
H	X	X	X	L
L	H	X	L	L
L	H	X	H	H
L	L	L	X	L
L	L	H	X	H


**MC74LCX157**

**LCX**


**LOW-VOLTAGE CMOS  
QUAD 2-INPUT MULTIPLEXER**




**D SUFFIX**  
PLASTIC SOIC  
CASE 751B-05



**M SUFFIX**  
PLASTIC SOIC EIAJ  
CASE 966-01



**SD SUFFIX**  
PLASTIC SSOP  
CASE 940B-03



**DT SUFFIX**  
PLASTIC TSSOP  
CASE 948F-01

**PIN NAMES**

Pins	Function
I0n	Source 0 Data Inputs
I1n	Source 1 Data Inputs
E	Enable Input
S	Select Input
Zn	Outputs

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