

Product Overview

MC14512B: 8-Channel Data Selector

For complete documentation, see the data sheet.

The MC14512B is an 8-channel data selector constructed with MOS P-channel and N-channel enhancement mode devices in a single monolithic structure. This data selector finds primary application in signal multiplexing functions. It may also be used for data routing, digital signal switching, signal gating, and number sequence generation.

Features

- Diode Protection on All Inputs
- Single Supply Operation
- 3-State Output (Logic "1", Logic "0", High Impedance)
- Supply Voltage Range = 3.0 Vdc to 18 Vdc
- Capable of Driving Two Low-power TTL Loads or One Low-power Schottky TTL Load Over the Rated Temperature Range
- Pb-Free Packages are Available

Part Electrical Specifications

Product	Compliance	Status	Channels	V _{CC} Min (V)	V _{CC} Max (V)	t _{pd} Max (ns)	I _O Max (mA)	Package Type
MC14512BDG	Pb-free	Active	1	3	18	250	2.25	SOIC-16
	Halide free							
MC14512BDR2G	Pb-free	Active	1	3	18	250	2.25	SOIC-16
	Halide free							
NLV14512BDG	AEC Qualified	Active	1	3	18	250	null	SOIC-16
	PPAP Capable							
	Pb-free							
	Halide free							
NLV14512BDR2G	AEC Qualified	Active	1	3	18	250	null	SOIC-16
	PPAP Capable							
	Pb-free							
	Halide free							

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