Product Overview

MC14106B: Hex Inverter with Schmitt Trigger Input

For complete documentation, see the data sheet.

The MC14106B hex Schmitt Trigger is constructed with MOS P-channel and N-channel enhancement mode devices in a single monolithic structure. These devices find primary use where low power dissipation and/or high noise immunity is desired. The MC14106B may be used in place of the MC14069UB hex inverter for enhanced noise immunity or to "square up" slowly changing waveforms.

Features

- Increased Hysteresis Voltage Over the MC14584B
- 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
- Pin-for-Pin Replacement for CD40106B and MM74C14
- Can Be Used to Replace the MC14584B or MC14069UB
- Pb-Free Packages are Available*

Part Electrical Specifications

Product	Compliance	Status	Type	Channels	V_{CC} Min (V)	V_{CC} Max (V)	t_{pd} Max (ns)	I_O Max (mA)	Package Type
MC14106BDG	Pb-free Halide free	Active	Inverter	6	3	18	100	null	SOIC-14
MC14106BDR2G	Pb-free Halide free	Active	Inverter	6	3	18	100	null	SOIC-14
MC14106BDTR2G	Pb-free Halide free	Active	Inverter	6	3	18	100	null	TSSOP-14
NLV14106BDG	AEC Qualified PPAP Capable Pb-free Halide free	Active	Inverter	6	3	18	null	null	SOIC-14
NLV14106BDR2G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Inverter	6	3	18	null	null	SOIC-14
NLV14106BDTR2G	AEC Qualified PPAP Capable Pb-free Halide free	Active	Inverter	6	3	18	null	null	TSSOP-14

For more information please contact your local sales support at www.onsemi.com.

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