

Product Overview

MC14040B: 12-Bit Binary Counter

For complete documentation, see the data sheet.

The MC14040B 12-stage binary counter is constructed with MOS P-channel and N-channel enhancement mode devices in a single monolithic structure. This part is designed with an input wave shaping circuit and 12 stages of ripple-carry binary counter. The device advances the count on the negative-going edge of the clock pulse. Applications include time delay circuits, counter controls, and frequency-driving circuits.

Features

- Fully Static Operation
- Diode Protection on All Inputs
- 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
- Common Reset Line
- Pin-for-Pin Replacement for CD4040B
- Pb-Free Packages are Available

Part Electrical Specifications

Product	Compliance	Status	Type	V _{CC} Min (V)	V _{CC} Max (V)	t _{pd} Max (ns)	P _D Max (W)	I _O Max (mA)	Package Type
MC14040BDG	Pb-free	Active	Counter	3	18	1440	0.5	2.25	SOIC-16
	Halide free								
MC14040BDR2G	Pb-free	Active	Counter	3	18	1440	0.5	2.25	SOIC-16
	Halide free								
MC14040BDTR2G	Pb-free	Active	Counter	3	18	1440	0.5	2.25	TSSOP-16
	Halide free								
NLV14040BDG	AEC Qualified	Active	Counter	3	18	1440	0.5	2.25	SOIC-16
	PPAP Capable								
	Pb-free								
	Halide free								
NLV14040BDR2G	AEC Qualified	Active	Counter	3	18	1440	0.5	2.25	SOIC-16
	PPAP Capable								
	Pb-free								
	Halide free								
NLV14040BDTR2G	AEC Qualified	Active	Counter	3	18	1440	0.5	2.25	TSSOP-16
	PPAP Capable								
	Pb-free								
	Halide free								

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

Created on: 1/22/2019