

BCD to 7 Segment Decoder / Driver / Latch, 7 Output, 8.8 mA, 3 V to 18 V, SOIC-16

Manufacturers	ON Semiconductor, LLC
Package/Case	SOIC-16
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MC14543BDG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MC14543B BCD-to-seven segment latch/decoder/driver is designed for use with liquid crystal readouts, and is constructed with complementary MOS (CMOS) enhancement mode devices. The circuit provides the functions of a 4-bit storage latch and an 8421 BCD-to-seven segment decoder and driver. The device has the capability to invert the logic levels of the output combination. The phase (Ph), blanking (BI), and latch disable (LD) inputs are used to reverse the truth table phase, blank the display, and store a BCD code, respectively. For liquid crystal (LC) readouts, a square wave is applied to the Ph input of the circuit and the electrically common backplane of the display. The outputs of the circuit are connected directly to the segments of the LC readout. For other types of readouts, such as light-emitting diode (LED), incandescent, gas discharge, and fluorescent readouts, connection diagrams are given on this data sheet. Applications include instrument (e.g., counter, DVM etc.) display driver, computer/calculator display driver, cockpit display driver, and various clock, watch, and timer uses.

Features

Latch Storage of Code

Blanking Input

Readout Blanking on All Illegal Input Combinations

Direct LED (Common Anode or Cathode) Driving Capability

Supply Voltage >

Capable of Driving Two Low-power TTL Loads, One Low-power Schottky TTL Load or Two HTL Loads Over the Rated Temperature Range

Pin-for-Pin Replacement for CD4056A (with Pin 7 Tied to VSS).

Chip Complexity: 207 FETs or 52 Equivalent Gates

Pb-Free Packages are Available

Application

ONSEMI

Related Products



[MC78M05CDTG](#)

ON Semiconductor, LLC
TO-252-3



[MC78LC33NTRG](#)

ON Semiconductor, LLC
SOT-23-5



[MC34167TG](#)

ON Semiconductor, LLC
TO-220-5



[MC33161PG](#)

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PDIP-8



[MC78L05ABPG](#)

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[MC7805ABD2TG](#)

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TO-263-3



[MC33039PG](#)

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PDIP-8



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