

## Product Overview

### MC74ACT646: Octal Bus Transceiver/Register with 3-State Outputs (Non-inverting)

For complete documentation, see the data sheet.

The MC74AC646/74ACT646 consist of registered bus transceiver circuits, with outputs, D-type flip-flops and control circuitry providing multiplexed transmission of data directly from the input bus or from the internal storage registers. Data on the A or B bus will be loaded into the respective registers on the LOW-to-HIGH transition of the appropriate clock pin (CAB or CBA). The four fundamental data handling functions available are illustrated in the following figures.

### Features

- Independent Registers for A and B Buses
- Multiplexed Real-Time and Stored Data Transfers
- Choice of True and Inverting Data Paths
- 3-State Outputs
- 300 mil Slim Dual In-Line Package
- Outputs Source/Sink 24 mA
- ACT646 Has TTL Compatible Inputs
- These devices are available in Pb-free package(s). Specifications herein apply to both standard and Pb-free devices. Please see our website at [www.onsemi.com](http://www.onsemi.com) for specific Pb-free orderable part numbers, or contact your local ON Semiconductor sales office or representative.

### Part Electrical Specifications

Product	Compliance	Status	Channels	Output	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	t <sub>pd</sub> Max (ns)	I <sub>O</sub> Max (mA)	Package Type
MC74ACT646DWG	Pb-free	Active	8	3-State	4.5	5.5	14.5	24	SOIC-24 WB
	Halide free								
MC74ACT646DWR2G	Pb-free	Active	8	3-State	4.5	5.5	14.5	24	SOIC-24 WB
	Halide free								

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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