

## Product Overview

### MC74AC245: Octal Bidirectional Transceiver with 3-State Inputs/Outputs

For complete documentation, see the data sheet.

The MC74AC245/74ACT245 contains eight non-inverting bidirectional buffers with 3-state outputs and is intended for bus-oriented applications. Current sinking capability is 24 mA at both the A and B ports. The Transmit/Receive (T/Rbar) input determines the direction of data flow through the bidirectional transceiver. Transmit (active-HIGH) enables data from A ports to B ports; Receive (active-LOW) enables data from B ports to A ports. The Output Enable input, when HIGH, disables both A and B ports by placing them in a High Z condition.

### Features

- Noninverting Buffers
- Bidirectional Data Path
- A and B Outputs Source/Sink 24 mA
- ACT245 Has TTL Compatible Inputs
- Pb-Free Packages are Available

### 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
MC74AC245DTG	Pb-free	Active	8	3-State	2	2	6.5	24	TSSOP-20
	Halide free								
MC74AC245DTR2G	Pb-free	Active	8	3-State	2	6	6.5	24	TSSOP-20
	Halide free								
MC74AC245DWG	Pb-free	Active	8	3-State	2	6	6.5	24	SOIC-20W
	Halide free								
MC74AC245DWR2G	Pb-free	Active	8	3-State	2	6	6.5	24	SOIC-20W
	Halide free								

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Created on: 12/14/2018