

Product Overview

74AC138: 1-of-8 Decoder/Demultiplexer

For complete documentation, see the data sheet.

The AC/ACT138 is a high-speed 1-of-8 decoder/demultiplexer. This device is ideally suited for high-speed bipolar memory chip select address decoding. The multiple input enables allow parallel expansion to a 1-of-24 decoder using just three AC/ACT138 devices or a 1-of-32 decoder using four AC/ACT138 devices and one inverter.

Features

- ICC reduced by 50%
- Demultiplexing capability
- Multiple input enable for easy expansion
- Active LOW mutually exclusive outputs
- Outputs source/sink 24 mA
- ACT138 has TTL-compatible inputs

Applications

- This product is general usage and suitable for many different applications.

Part Electrical Specifications

Product	Compliance	Status	Channels	V _{CC} Min (V)	V _{CC} Max (V)	t _{pd} Max (ns)	I _O Max (mA)	Package Type
74AC138MTC	Pb-free	Active	1	2	6	8	24	TSSOP-16
	Halide free							
74AC138MTCX	Pb-free	Active	1	2	6	8	24	TSSOP-16
	Halide free							
74AC138SC	Pb-free	Active	1	2	6	8	24	SOIC-16
74AC138SCX	Pb-free	Active	1	2	6	8	24	SOIC-16

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

Created on: 10/19/2019