MARKING DIAGRAMS

16

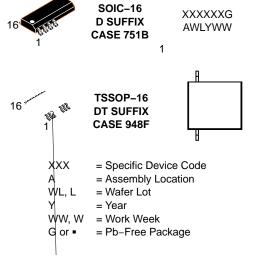


Dual 1-of-4 Decoder/Demultiplexer

MC74AC139, MC74ACT139

The gigure 1. Pinout: 16 Lead Packages Conductors (Top New)

SSIGNMENT



ORDERING INFORMATION

See detailed ordering and shipping information in the package dimensions section on page 6 of this data sheet.

PIN	FUNCTION		
A ₀ , A ₁	Address Inputs		
Ē	Enable Inputs		
$\overline{O}_0 - \overline{O}_3$	Outputs		

TRUTH TABLE

Inputs			Outputs			
Ē	A ₀	A ₁	\overline{O}_0	\overline{O}_1	\overline{O}_2	\overline{O}_3
Н	Χ	Χ	Н	Н	Н	Н
L	L	L	L	Н	Н	Н
L	Н	L	Н	L	Н	Н
L	L	Н	Н	Н	L	Н
L	Н	Н	Н	Н	Н	L

H = HIGH Voltage Level

L = LOW Voltage Level

X = Immaterial

MC74AC139, MC74ACT139

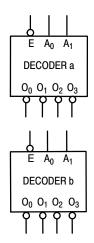
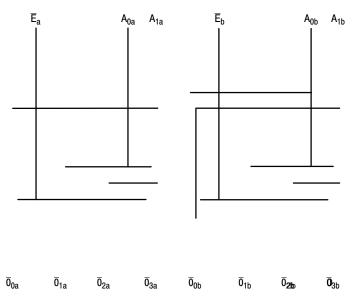


Figure 2. Logic Symbol



NOTE: This diagram is provided only for the understanding of logic operations and should not be used to estimate propagation

MC74AC139, MC74ACT139

MAXIMUM RATINGS

Symbol	Parameter	Value	Unit
V _{CC}	DC Supply Voltage	-0.5 to +6.5	V
V _I	DC Input Voltage	$-0.5 \le V_{I} \le V_{CC} + 0.5$	V
V _O	DC Output Voltage (Note 1)	$-0.5 \le V_{O} \le V_{CC} + 0.5$	V
I _{IK}	DC Input Diode Current	±20	mA

.



MC74AC139, MC74ACT139

ORDERING INFORMATION

Device Order Number	Marking	Package	Shipping [†]
MC74AC139DG	AC139	SOIC-16 (Pb-Free)	48 Units / Rail
MC74AC139DR2G	AC139	SOIC-16 (Pb-Free)	2500 Tape & Reel
MC74AC139DTR2G	AC 139	TSSOP-16 (Pb-Free)	2500 Tape & Reel
MC74ACT139DG	ACT139	SOIC-16 (Pb-Free)	48 Units / Rail
MC74ACT139DR2G	ACT139	SOIC-16 (Pb-Free)	2500 Tape & Reel
MC74ACT139DR2G-Q*	ACT139	SOIC-16 (Pb-Free)	2500 Tape & Reel
MC74ACT139DTR2G	ACT 139	TSSOP-16 (Pb-Free)	2500 Tape & Reel

[†]For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging

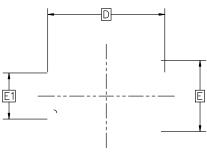
SOIC-16 9.90x3.90x1.37 1.27P CASE 751B ISSUE M

DATE 18 OCT 2024

- 3. DIMENSIONS D AND E1 DO NOT INCLUDE MOLD PROTRUSION. 4. MAXIMUM MOLD PROTRUSION 0.1

nm TOTAL IN EXCESS OF THE

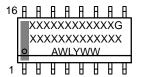
b DIMENSION AT MAXIMUM MATE



TOP VIEW

DATE 18 OCT 2024

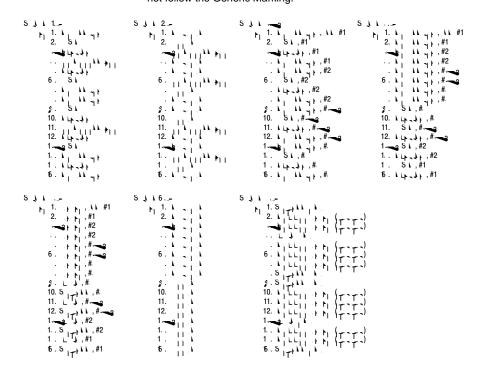
GENERIC MARKING DIAGRAM*



XXXXX = Specific Device Code

A = Assembly Location

*This information is generic. Please refer to device data sheet for actual part marking. Pb Free indicator, "G" or microdot "•", may or may not be present. Some products may not follow the Generic Marking.



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TSSOP-16 WB CASE 948F ISSUE B

DATE 19 OCT 2006

SCALE 2:1

