# 8-Bit Addressable Latch 1-of-8 Decoder with LSTTL **Inputs**

# **High-Performance Silicon-Gate CMOS**

The MC74HCT259A is identical in pinout to the LS259. The device inputs are compatible with standard CMOS and LSTTL outputs.

The HCT259A has four modes of operation as shown in the mode selection table. In the addressable latch mode, the data on Data In is written into the addressed latch. The addressed latch follows the data input with all non-addressed latches remaining in their previous states. In the memory mode, all latches remain in their previous state and are unaffected by the Data or Address inputs. In the one-of-eight decoding or demultiplexing mode, the addressed output follows the state of Data In with all other outputs in the LOW state. In the Reset mode all outputs are LOW and unaffected by the address and data inputs. When operating the HCT259A as an addressable latch, changing more than one bit of the address could impose a transient wrong address. Therefore, this should only be done while in the memory mode.

#### **Features**

- Outputs Directly Interface to CMOS, NMOS, and TTL
   Operating Voltage Range 45 to 5 5 37
- Low Input Current: 1 μA
- THIS DEVICE REPRESENTATION OF CMOS Devices WE High Noise Immunity Characteristic of CMOS Device
   The Company of the Com
- These are Pb-Free Devices



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SOIC-16 **D SUFFIX CASE 751B** 





TSSOP-16 DT SUFFIX CASE 948F



Assembly Location

Wafer Lot Year

Work Week

= Pb-Free Package

(Note: Microdot may be in either location)

### **PIN ASSIGNMENT**

A0 [	1 ●	16	] v <sub>cc</sub>
A1 [	2	15	RESET
A2 [	3	14	ENABLE
Q0 [	4	13	DATA IN
Q1 [	5	12	] Q7
Q2 [	6	11	] Q6
Q3 [	7	10	] Q5
GND [	8	9	] Q4

### MODE SELECTION TABLE

Enable	Reset	Mode
L	Н	Addressable Latch
Н	Н	Memory
L	L	8-Line Demultiplexer
Н	L	Reset
	L H L	L H H H L L

#### ORDERING INFORMATION

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

#### 4 Q0 **ADDRESS** Q1 **INPUTS** 6 Q2 Q3 **NONINVERTING** 9 Q4 **OUTPUTS** 10 <sub>Q5</sub> DATA IN 13 11 Q6 12 Q7 RESET PIN 16 = V<sub>CC</sub> PIN 8 = GND **ENABLE**

Figure 1. Logic Diagram

### **LATCH SELECTION TABLE**

Ad	dress Inp	uts	
С	В	Α	Latch Addressed
	L H H L	L H L H L H L	Q0 Q1 Q2 Q3 Q4 Q5 Q6
H	H	н	Q7

### **MAXIMUM RATINGS**

Symbol	Parameter	Value	Unit
V <sub>CC</sub>	DC Supply Voltage (Referenced to GND)	-0.5 to +7.0	٧
V <sub>in</sub>	DC Input Voltage (Referenced to GND)	-0.5 to V <sub>CC</sub> + 0.5	V
V <sub>out</sub>	DC Output Voltage (Referenced to GND)	-0.5 to V <sub>CC</sub> + 0.5	V
I <sub>in</sub>	DC Input Current, per Pin	±20	mA
I <sub>out</sub>	DC Output Current, per Pin	±25	mA
I <sub>CC</sub>	DC Supply Current, V <sub>CC</sub> and GND Pins	±50	mA.
P <sub>D</sub>	Power Dissipation in Still Air, SOIC Package TSSOP Package	500 450	mW
T <sub>stg</sub>	Storage Temperature	-65 to + 150	∘c
V <sub>ESD</sub>	ESD Withstand Voltage  Human Body Model (Note 1)  Machine Model (Note 2)	>2000 >200	ME
I <sub>Latchup</sub>	Latchup Performance Above V <sub>DD</sub> and Below GND at 125°C (Note 3)	±100	mA

This device contains protection circuitry to guard against damage due to high static voltages or electric fields. However, precautions must be taken to avoid applications of any voltage higher than maximum rated voltages to this high-impedance circuit. For proper operation, Vin and Vout should be constrained to the range GND  $\leq$  (V<sub>in</sub> or V<sub>out</sub>)  $\leq$  V<sub>CC</sub>. Unused inputs must always be tied to an appropriate logic voltage level (e.g., either GND or V<sub>CC</sub>). Unused outputs must be left open.

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device

- Tested to EIA / JESD22-A114-A.
   Tested to EIA / JESD22-A115-A.
- 3. Tested to EIA / JESD78.

# RECOMMENDED OPERATING CONDITIONS

Symbol	Parameter	Min	Max	Unit
V <sub>CC</sub>	DC Supply Voltage (Referenced to GND)	4.5	5.5	V
V <sub>in</sub> , V <sub>out</sub>	DC Input Voltage, Output Voltage (Referenced to GND)	0	V <sub>CC</sub>	V
T <sub>A</sub>	Operating Temperature, All Package Types	-55	+125	°C
t <sub>r</sub> , t <sub>f</sub>	Input Rise and Fall Time (Figure 2)	0	500	ns

### DC ELECTRICAL CHARACTERISTICS (Voltages Referenced to GND)

				Guaranteed Limit		mit	
Symbol	Parameter	Test Conditions	V <sub>CC</sub> V	– 55 to 25°C	≤ <b>85</b> °C	≤ 125°C	Unit
V <sub>IH</sub>	Minimum High-Level Input Voltage	$V_{out} = 0.1 \text{ V or } V_{CC} - 0.1 \text{ V}$ $ I_{out}  \le 20  \mu\text{A}$	4.5 5.5	2.0 2.0	2.0 2.0	2.0 2.0	V
V <sub>IL</sub>	Maximum Low-Level Input Voltage	$V_{out} = 0.1 \text{ V or } V_{CC} - 0.1 \text{ V}$ $ I_{out}  \le 20  \mu\text{A}$	4.5 5.5	0.8 0.8	0.8 0.8	0.8 0.8	V
V <sub>OH</sub>	Minimum High-Level Output Voltage	$V_{in} = V_{IH} \text{ or } V_{IL}$ $ I_{out}  \le 20 \ \mu A$	4.5 5.5	4.4 5.4	4.4 5.4	4.4 5.4	V
		$V_{in} = V_{IH} \text{ or } V_{IL} $ $ I_{out}  \leq 5.2 \text{ mA}$	4.5	3.98	3.84	3.70	
V <sub>OL</sub>	Maximum Low-Level Output Voltage	$V_{in} = V_{IH} \text{ or } V_{IL}$ $ I_{out}  \le 20 \ \mu A$	4.5 5.5	0.1 0.1	0.1 0.1	0.1 0.1	V
		$V_{in} = V_{IH} \text{ or } V_{IL} $ $ I_{out}  \leq 5.2 \text{ mA}$	4.5	0.26	0.33	0.40	
l <sub>in</sub>	Maximum Input Leakage Current	V <sub>in</sub> = V <sub>CC</sub> or GND	5.5	± 0.1	± 1.0	± 1.0	μА
I <sub>CC</sub>	Maximum Quiescent Supply Current (per Package)	$V_{in} = V_{CC}$ or GND $I_{out} = 0 \mu A$	5.5	4	40	160	μΑ
Δl <sub>CC</sub>	Additional Quiescent Supply Current	$V_{in}$ = 2.4V, Any One Input $V_{in}$ = $V_{CC}$ or GND, Other Inputs $I_{out}$ = $0\mu A$	5.5	≥ <b>-55</b> ° <b>C</b>	25 to	125°C	mA
	, CC	V <sub>in</sub> = V <sub>CC</sub> or GND I <sub>out</sub> = 0 μA  V <sub>in</sub> = 2.4V, Any One Input V <sub>in</sub> = V <sub>CC</sub> or GND, Other Inputs I <sub>out</sub> = 0μA	DUR	ORM	<b>'</b>		

## AC ELECTRICAL CHARACTERISTICS ( $V_{CC} = 4.5 \text{ to } 5.5 \text{ V}$ , $C_L = 50 \text{ pF}$ , Input $t_r = t_f = 6 \text{ ns}$ )

		Gu	Guaranteed Limit		
Symbol	Parameter	–55 to 25°C	≤ <b>85</b> °C	≤ 125°C	Unit
t <sub>PLH</sub> , t <sub>PHL</sub>	Maximum Propagation Delay, Data to Output (Figures 2 and 7)	32	32	42	ns
t <sub>PLH</sub> , t <sub>PHL</sub>	Maximum Propagation Delay, Address Select to Output (Figures 3 and 7)	32	40	45	ns
t <sub>PLH</sub> , t <sub>PHL</sub>	Maximum Propagation Delay, Enable to Output (Figures 4 and 7)	32	40	45	ns
t <sub>PHL</sub>	Maximum Propagation Delay, Reset to Output (Figures 5 and 7)	22	26	32	ns
t <sub>TLH</sub> , t <sub>THL</sub>	Maximum Output Transition Time, Any Output (Figures 2 and 7)	15	19	22	ns
C <sub>in</sub>	Maximum Input Capacitance	10	10	10	pF

		Typical @ 25°C, V <sub>CC</sub> = 5.0 V	
$C_{PD}$	Power Dissipation Capacitance (Per Package)	30	pF

# **TIMING REQUIREMENTS** ( $V_{CC} = 4.5 \text{ to } 5.5 \text{ V}$ , Input $t_r = t_f = 6 \text{ ns}$ )

		Gu	aranteed Li	mit		
Symbol	Parameter	-55 to 25°C	≤ 85°C	≤ 125°C	Unit	
t <sub>su</sub>	Minimum Setup Time, Address or Data to Enable (Figure 6)	15	19	22	ns	
t <sub>h</sub>	Minimum Hold Time, Enable to Address or Data (Figure 6)	1	1	1	ns	
t <sub>w</sub>	Minimum Pulse Width, Reset or Enable (Figure 4 or 5)	15	19	22	ns	
1						

### **SWITCHING WAVEFORMS**

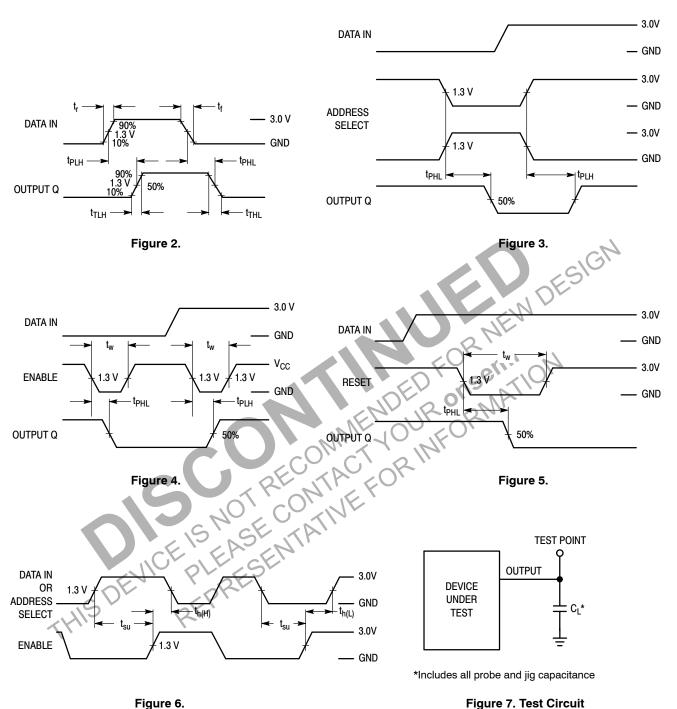
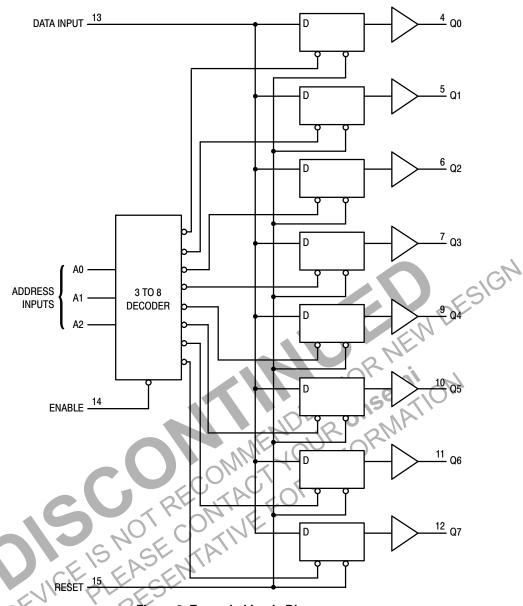


Figure 7. Test Circuit



# Figure 8. Expanded Logic Diagram

# ORDERING INFORMATION

Device	Package	Shipping <sup>†</sup>
MC74HCT259ADG	SOIC-16 (Pb-Free)	48 Units / Rail
MC74HCT259ADR2G	SOIC-16 (Pb-Free)	2500 Tape & Reel
MC74HCT259ADTR2G	TSSOP-16*	2500 Tape & Reel

<sup>†</sup>For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D.
\*This package is inherently Pb-Free.



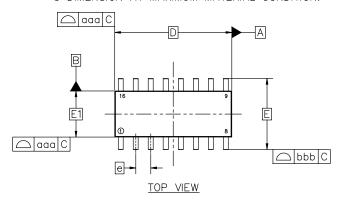


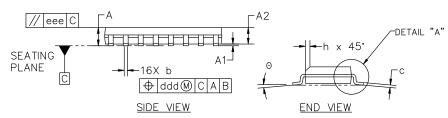
### SOIC-16 9.90x3.90x1.37 1.27P CASE 751B ISSUE M

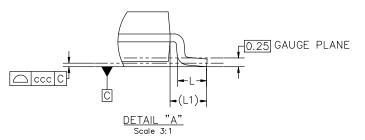
**DATE 18 OCT 2024** 

#### NOTES:

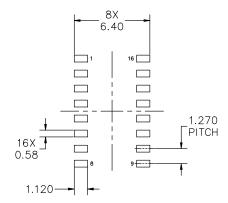
- 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2018.
- 2. DIMENSION IN MILLIMETERS. ANGLE IN DEGREES.
- 3. DIMENSIONS D AND E1 DO NOT INCLUDE MOLD PROTRUSION.
- 4. MAXIMUM MOLD PROTRUSION 0.15mm PER SIDE.
- 5. DIMENSION 6 DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.127mm TOTAL IN EXCESS OF THE 6 DIMENSION AT MAXIMUM MATERIAL CONDITION.







	MILLIM	ETERS		
DIM	MIN	NOM	MAX	
А	1.35	1.55	1.75	
A1	0.10	0.18	0.25	
A2	1.25	1.37	1.50	
b	0.35	0.42	0.49	
С	0.19	0.22	0.25	
D		9.90 BSC		
Е	6.00 BSC			
E1	3.90 BSC			
е		1.27 BSC		
h	0.25		0.50	
L	0.40	0.83	1.25	
L1		1.05 REF		
Θ	0.		7*	
TOLERAN	CE OF FC	RM AND	POSITION	
aaa		0.10		
bbb	0.20			
ccc		0.10		
ddd		0.25	·	
eee		0.10		



### RECOMMENDED MOUNTING FOOTPRINT

\*FOR ADDITIONAL INFORMATION ON OUR
PB-FREE STRATEGY AND SOLDERING DETAILS,
PLEASE DOWNLOAD THE onsemi SOLDERING
AND MOUNTING TECHNIQUES REFERENCE
MANUAL, SOLDERRM/D

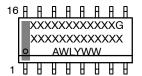
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**DATE 18 OCT 2024** 

# GENERIC MARKING DIAGRAM\*



XXXXX = Specific Device Code A = Assembly Location

WL = Wafer Lot
 Y = Year
 WW = Work Week
 G = Pb-Free Package

\*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.

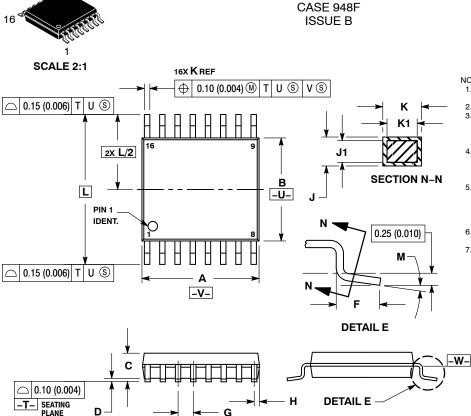
STYLE 1:		STYLE 2:		STYLE 3:	S	STYLE 4:	
PIN 1.	COLLECTOR	PIN 1.	CATHODE	PIN 1.	COLLECTOR, DYE #1	PIN 1.	COLLECTOR, DYE #1
2.	BASE	2.	ANODE	2.	BASE, #1	2.	COLLECTOR, #1
3.	EMITTER	3.	NO CONNECTION	3.	EMITTER, #1	3.	COLLECTOR, #2
4.	NO CONNECTION	4.	CATHODE	4.	COLLECTOR, #1	4.	COLLECTOR, #2
5.	EMITTER	5.	CATHODE	5.	COLLECTOR, #2	5.	COLLECTOR, #3
6.	BASE	6.	NO CONNECTION	6.	BASE, #2	6.	COLLECTOR, #3
7.	COLLECTOR	7.	ANODE	7.	EMITTER, #2	7.	COLLECTOR, #4
8.	COLLECTOR	8.	CATHODE	8.	COLLECTOR, #2	8.	COLLECTOR, #4
9.	BASE	9.	CATHODE	9.	COLLECTOR, #3	9.	BASE, #4
10.	EMITTER	10.	ANODE	10.	BASE, #3	10.	EMITTER, #4
11.	NO CONNECTION	11.	NO CONNECTION	11.		11.	
	EMITTER	12.	CATHODE	12.		12.	
13.		13.		13.	COLLECTOR, #4	13.	
14.	COLLECTOR	14.	NO CONNECTION	14.	BASE, #4	14.	
	EMITTER	15.	ANODE	15.	EMITTER, #4	15.	
16.	COLLECTOR	16.	CATHODE	16.	COLLECTOR, #4	16.	EMITTER, #1
STYLE 5:		STYLE 6:		STYLE 7:			
STYLE 5: PIN 1.	DRAIN, DYE #1	STYLE 6: PIN 1.		STYLE 7: PIN 1.	SOURCE N-CH		
	DRAIN, DYE #1 DRAIN, #1		CATHODE		SOURCE N-CH COMMON DRAIN (OUTPUT)	ı	
PIN 1.	,	PIN 1. 2. 3.	CATHODE CATHODE	PIN 1.	COMMON DRAIN (OUTPUT) COMMON DRAIN (OUTPUT)		
PIN 1. 2.	DRAIN, #1	PIN 1. 2. 3.	CATHODE CATHODE CATHODE	PIN 1. 2.	COMMON DRAIN (OUTPUT) COMMON DRAIN (OUTPUT) GATE P-CH		
PIN 1. 2. 3.	DRAIN, #1 DRAIN, #2 DRAIN, #2 DRAIN, #3	PIN 1. 2. 3. 4. 5.	CATHODE CATHODE CATHODE CATHODE	PIN 1. 2. 3. 4. 5.	COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT GATE P-CH COMMON DRAIN (OUTPUT		
PIN 1. 2. 3. 4. 5.	DRAIN, #1 DRAIN, #2 DRAIN, #2 DRAIN, #3 DRAIN, #3	PIN 1. 2. 3. 4. 5. 6.	CATHODE CATHODE CATHODE CATHODE CATHODE	PIN 1. 2. 3. 4. 5.	COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT GATE P-CH COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT		
PIN 1. 2. 3. 4. 5.	DRAIN, #1 DRAIN, #2 DRAIN, #2 DRAIN, #3 DRAIN, #3 DRAIN, #4	PIN 1. 2. 3. 4. 5. 6.	CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE	PIN 1. 2. 3. 4. 5. 6.	COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT) GATE P-CH COMMON DRAIN (OUTPUT) COMMON DRAIN (OUTPUT) COMMON DRAIN (OUTPUT)		
PIN 1. 2. 3. 4. 5. 6. 7.	DRAIN, #1 DRAIN, #2 DRAIN, #2 DRAIN, #3 DRAIN, #3 DRAIN, #4 DRAIN, #4	PIN 1. 2. 3. 4. 5. 6. 7.	CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE	PIN 1. 2. 3. 4. 5. 6. 7.	COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT GATE P-CH COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT SOURCE P-CH		
PIN 1. 2. 3. 4. 5. 6. 7. 8. 9.	DRAIN, #1 DRAIN, #2 DRAIN, #2 DRAIN, #3 DRAIN, #3 DRAIN, #4 DRAIN, #4 GATE, #4	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9.	CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE ANODE	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9.	COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT GATE P-CH COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT SOURCE P-CH SOURCE P-CH		
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PIN 1. 2. 3. 4. 5. 6. 7. 8. 9.	DRAIN, #1 DRAIN, #2 DRAIN, #2 DRAIN, #3 DRAIN, #3 DRAIN, #4 DRAIN, #4 GRAIE, #4 SOURCE, #4 GATE, #3	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9.	CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE ANODE ANODE ANODE ANODE	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9.	COMMON DRAIN (OUTPUT; COMMON DRAIN (OUTPUT; GATE P-CH COMMON DRAIN (OUTPUT; COMMON DRAIN (OUTPUT; COMMON DRAIN (OUTPUT; SOURCE P-CH SOURCE P-CH COMMON DRAIN (OUTPUT; COMMON DRAIN (OUTPUT;		
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PIN 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	DRAIN, #1 DRAIN, #2 DRAIN, #2 DRAIN, #3 DRAIN, #3 DRAIN, #4 DRAIN, #4 SOURCE, #4 SOURCE, #4 GATE, #3 SOURCE, #3 GATE, #2	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE ANODE ANODE ANODE ANODE ANODE ANODE ANODE ANODE ANODE	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT GATE P-CH COMMON DRAIN (OUTPUT COMMON DRAIN (OUTPUT SOURCE P-CH COMMON DRAIN (OUTPUT GATE N-CH		
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PIN 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	DRAIN, #1 DRAIN, #2 DRAIN, #2 DRAIN, #3 DRAIN, #3 DRAIN, #3 DRAIN, #4 GATE, #4 SOURCE, #4 GATE, #3 SOURCE, #3 GATE, #2 SOURCE, #2 GATE, #1	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE ANODE	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	COMMON DRAIN (OUTPUT, COMMON DRAIN (OUTPUT, GATE P-CH COMMON DRAIN (OUTPUT, COMMON DRAIN (OUTPUT, COMMON DRAIN (OUTPUT, SOURCE P-CH SOURCE P-CH COMMON DRAIN (OUTPUT, COMMON DRAIN (OUTPUT, COMMON DRAIN (OUTPUT, GATE N-CH COMMON DRAIN (OUTPUT, COMMON DRAIN COMMON DRAIN (OUTPUT, COMMON DRAIN COMMON DRAIN (OUTPUT, COMMON DRAIN COMMO		
PIN 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	DRAIN, #1 DRAIN, #2 DRAIN, #2 DRAIN, #3 DRAIN, #3 DRAIN, #3 DRAIN, #4 DRAIN, #4 GATE, #4 SOURCE, #4 GATE, #3 SOURCE, #3 SOURCE, #2 SOURCE, #2	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE CATHODE ANODE	PIN 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	COMMON DRAIN (OUTPUT; COMMON DRAIN (OUTPUT; GATE P-CH COMMON DRAIN (OUTPUT; COMMON DRAIN (OUTPUT; SOURCE P-CH SOURCE P-CH SOURCE P-CH COMMON DRAIN (OUTPUT; CATE N-CH COMMON DRAIN (OUTPUT; COMMON DRAIN (OUTPUT; CATE N-CH COMMON DRAIN (OUTPUT; CATE CATE CATE CATE CATE CATE CATE CATE		

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**DATE 19 OCT 2006** 





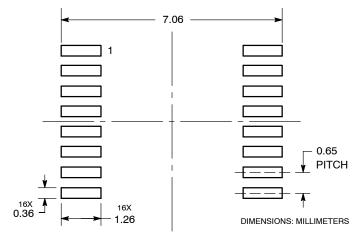
TSSOP-16 WB

### NOTES

- DIMENSIONING AND TOLERANCING PER
- ANSI Y14.5M, 1982. CONTROLLING DIMENSION: MILLIMETER.
- DIMENSION A DOES NOT INCLUDE MOLD FLASH. PROTRUSIONS OR GATE BURRS. MOLD FLASH OR GATE BURRS SHALL NOT
- EXCEED 0.15 (0.006) PER SIDE.
  DIMENSION B DOES NOT INCLUDE
  INTERLEAD FLASH OR PROTRUSION.
- INTERLEAD FLASH OR PROTRUSION.
  INTERLEAD FLASH OR PROTRUSION SHALL
  NOT EXCEED 0.25 (0.010) PER SIDE.
  DIMENSION K DOES NOT INCLUDE DAMBAR
  PROTRUSION. ALLOWABILE DAMBAR
  PROTRUSION SHALL BE 0.08 (0.003) TOTAL
  IN EXCESS OF THE K DIMENSION AT
  MAXIMUM MATERIAL CONDITION.
  TERMINIAL NILMBERS ADE SUCIUMI ECIP.
- TERMINAL NUMBERS ARE SHOWN FOR REFERENCE ONLY.
- DIMENSION A AND B ARE TO BE DETERMINED AT DATUM PLANE -W-.

	MILLIN	IETERS	INCHES	
DIM	MIN	MAX	MIN	MAX
Α	4.90	5.10	0.193	0.200
В	4.30	4.50	0.169	0.177
С		1.20		0.047
D	0.05	0.15	0.002	0.006
F	0.50	0.75	0.020	0.030
G	0.65 BSC		0.026 BSC	
Н	0.18	0.28	0.007	0.011
J	0.09	0.20	0.004	0.008
J1	0.09	0.16	0.004	0.006
K	0.19	0.30	0.007	0.012
K1	0.19	0.25	0.007	0.010
L	6.40 BSC		0.252 BSC	
М	0 °	8°	0 °	8 °

### **RECOMMENDED** SOLDERING FOOTPRINT\*



<sup>\*</sup>For additional information on our Pb-Free strategy and soldering details, please download the onsemi Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

### **GENERIC MARKING DIAGRAM\***



= Specific Device Code XXXX Α = Assembly Location

= Wafer Lot L = Year W = Work Week G or • = Pb-Free Package

\*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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DESCRIPTION:	TSSOP-16		PAGE 1 OF 1		

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