

Hex Schmitt-Trigger Inverter

High-Performance Silicon-Gate CMOS

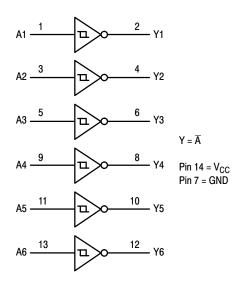
MC74HC14A, MC74HCT14A

The MC74HC14A/MC74HCT14A is useful to "square up" slow input rise and fall times. Due to hysteresis voltage of the Schmitt trigger, the device finds applications in noisy environments. The MC74HC14A has CMOS-level input thresholds while the MC74HCT14A has TTL-Level input thresholds.

Features

- Output Drive Capability: 10 LSTTL Loads
- Outputs Directly Interface to CMOS, NMOS and TTL
- Operating Voltage Range: 2.0 to 6.0 V
- Low Input Current: 1.0 µA
- High Noise Immunity Characteristic of CMOS Devices
- In Compliance With the JEDEC Standard No. 7.0 A Requirements
- Chip Complexity: 72 FETs or 18 Equivalent Gates
- –Q Suffix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC–Q100 Qualified and PPAP Capable
- These Devices are Pb–Free, Halogen Free/BFR Free and are RoHS Compliant

LOGIC DIAGRAM



1

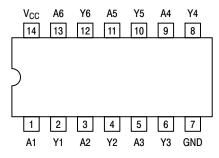


SOIC-14 NB D SUFFIX CASE 751A



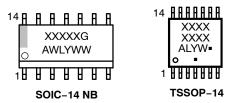
TSSOP-14 DT SUFFIX CASE 948G

PIN ASSIGNMENT



14-Lead (Top View)

MARKING DIAGRAMS



XXXX = Specific Device Code A = Assembly Location

L, WL = Wafer Lot
Y, YY = Year
W, WW = Work Week
G or ■ = Pb-Free Package

(Note: Microdot may be in either location)

FUNCTION TABLE

Inputs	Outputs
Α	Υ
L,	Н
Н	L

ORDERING INFORMATION

See detailed ordering and shipping information on page 6 of this data sheet.

MAXIMUM RATINGS

Symbol	Parameter		Value	Unit
V _{CC}	DC Supply Voltage		-0.5 to +6.5	V
V _{IN}	DC Input Voltage		-0.5 to V _{CC} + 0.5	V
V _{OUT}	DC Output Voltage		-0.5 to V _{CC} + 0.5	V
I _{IN}	DC Input Current, per Pin		±20	mA
I _{OUT}	DC Output Current, per Pin		±25	mA
I _{CC}	DC Supply Current, V _{CC} and GND Pins		±50	mA
I _{IK}	Input Clamp Current (V _{IN} < 0 or V _{IN} > V _{CC})		±20	mA
I _{OK}	Output Clamp Current (V _{OUT} < 0 or V _{OUT} > V _{CC})		±20	mA
T _{STG}	Storage Temperature		-65 to +150	°C
TL	Lead Temperature, 1 mm from Case for 10 Seconds		260	°C
TJ	Junction Temperature Under Bias		±150	°C
$\theta_{\sf JA}$	Thermal Resistance (Note 1)	SOIC-14 TSSOP-14	116 150	°C/W
P _D	Power Dissipation in Still Air at 25°C	SOIC-14 TSSOP-14	1077 833	mW
MSL	Moisture Sensitivity		Level 1	_
F _R	Flammability Rating	Oxygen Index: 28 to 34	UL 94 V-0 @ 0.125 in	-
V _{ESD}	ESD Withstand Voltage (Note 2)	Human Body Model Charged Device Model	4000 1000	V

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

- Measured with minimum pad spacing on an FR4 board, using 76mm-by-114mm, 2-ounce copper trace no air flow per JESD51-7.
 HBM tested to EIA / JESD22-A114-A. CDM tested to JESD22-C101-A. JEDEC recommends that ESD qualification to EIA/JESD22-A115A (Machine Model) be discontinued.

RECOMMENDED OPERATING CONDITIONS

Symbol	Parameter		Min	Max	Unit
MC74HC					
V _{CC}	DC Supply Voltage (Referenced to GND)		2.0	6.0	V
V _{IN} , V _{OUT}	DC Input Voltage, Output Voltage (Referenced to GND) (Note 4)		0	V _{CC}	V
T _A	Operating Free-Air Temperature		–55	+125	°C
t _r , t _f	Input Rise or Fall Time (Note 3)	V _{CC} = 2.0 V V _{CC} = 4.5 V V _{CC} = 6.0 V	0 0 0	No Limit No Limit No Limit	ns
MC74HCT					
V _{CC}	DC Supply Voltage (Referenced to GND)		4.5	5.5	V
V_{IN}, V_{OUT}	DC Input Voltage, DC Output Voltage (Referenced to GND) (Note 4)		0	V _{CC}	V
T _A	Operating Free-Air Temperature		–55	+125	°C
t _r , t _f	Input Rise or Fall Time (Note 3)		0	No Limit	ns

Functional operation above the stresses listed in the Recommended Operating Ranges is not implied. Extended exposure to stresses beyond the Recommended Operating Ranges limits may affect device reliability.

- 3. No Limit when $V_{IN} \sim 50\%$ x V_{CC} , $I_{CC} > 1$ mÅ.
- 4. Unused inputs must always be tied to an appropriate logic voltage level (e.g., either GND or V_{CC}). Unused outputs must be left open.

DC CHARACTERISTICS (MC74HC14A)

				V _{CC}	Guara	nteed Lin	nit	
Symbol	Parameter	Condition	on	V	-55 to 25°C	≤85°C	≤125°C	Unit
V _{T+} max	Maximum Positive-Going Input	V _{out} = 0.1V		2.0	1.50	1.50	1.50	V
	Threshold Voltage	I _{out} ≤ 20μΑ		3.0	2.15	2.15	2.15	
	(Figure 3)	, , ,		4.5	3.15	3.15	3.15	
				6.0	4.20	4.20	4.20	
V _{T+} min	Minimum Positive-Going Input	$V_{out} = 0.1V$		2.0	1.0	0.95	0.95	V
	Threshold Voltage	I _{out} ≤ 20μA		3.0	1.5	1.45	1.45	
	(Figure 3)			4.5	2.3	2.25	2.25	
				6.0	3.0	2.95	2.95	
$V_{T_{-}}$ max	Maximum Negative-Going Input	$V_{out} = V_{CC} - 0.1V$		2.0	0.9	0.95	0.95	V
	Threshold Voltage	I _{out} ≤ 20μΑ		3.0	1.4	1.45	1.45	
	(Figure 3)			4.5	2.0	2.05	2.05	
				6.0	2.6	2.65	2.65	
V_{T-} min	Minimum Negative-Going Input	$V_{out} = V_{CC} - 0.1V$		2.0	0.3	0.3	0.3	V
	Threshold Voltage	I _{out} ≤ 20μΑ		3.0	0.5	0.5	0.5	
	(Figure 3)			4.5	0.9	0.9	0.9	
				6.0	1.2	1.2	1.2	
V _H max	Maximum Hysteresis Voltage	$V_{out} = 0.1V \text{ or } V_{CC}$	– 0.1V	2.0	1.20	1.20	1.20	V
(Note 5)	(Figure 3)	I _{out} ≤ 20μΑ		3.0	1.65	1.65	1.65	
				4.5	2.25	2.25	2.25	
				6.0	3.00	3.00	3.00	
V_H min	Minimum Hysteresis Voltage	$V_{out} = 0.1V \text{ or } V_{CC}$	– 0.1V	2.0	0.20	0.20	0.20	V
(Note 5)	(Figure 3)	I _{out} ≤ 20μA		3.0	0.25	0.25	0.25	
				4.5	0.40	0.40	0.40	
				6.0	0.50	0.50	0.50	
V_{OH}	Minimum High-Level Output	$V_{in} \leq V_{T-} \min$		2.0	1.9	1.9	1.9	V
	Voltage	I _{out} ≤ 20μΑ		4.5	4.4	4.4	4.4	
				6.0	5.9	5.9	5.9	
		V _{in} ≤[]V _{T−} min	$ I_{out} \le 2.4 \text{mA}$	3.0	2.48	2.34	2.20	
			$ I_{out} \le 4.0 \text{mA}$	4.5	3.98	3.84	3.70	
			$ I_{out} \le 5.2 \text{mA}$	6.0	5.48	5.34	5.20	
V _{OL}	Maximum Low-Level Output	$V_{in} \ge V_{T+} \max$		2.0	0.1	0.1	0.1	V
	Voltage	I _{out} ≤ 20μΑ		4.5	0.1	0.1	0.1	
				6.0	0.1	0.1	0.1	
		V _{in} ≥[]V _{T+} max	$ I_{out} \le 2.4 \text{mA}$	3.0	0.26	0.33	0.40	
			$ I_{out} \le 4.0 \text{mA}$	4.5	0.26	0.33	0.40	
			I _{out} ≤ 5.2mA	6.0	0.26	0.33	0.40	
l _{in}	Maximum Input Leakage Current	V _{in} = V _{CC} or GND		6.0	±0.1	±1.0	±1.0	μΑ
I _{CC}	Maximum Quiescent Supply	V _{in} = V _{CC} or GND		6.0	1.0	10	40	μA
.00	Current (per Package)	$I_{out} = 0\mu A$		5.0				ha .

^{5.} $V_H min > (V_{T_+} min) - (V_{T_-} max); V_H max = (V_{T_+} max) - (V_{T_-} min).$

AC CHARACTERISTICS (MC74HC14A)

		Vcc	Guaranteed Limit		nit	
Symbol	Parameter	v	−55 to 25°C	≤85°C	≤125°C	Unit
t _{PLH} ,	Maximum Propagation Delay, Input A or B to Output Y	2.0	75	95	110	ns
t _{PHL}	(Figures 1 and 2)	3.0	30	40	55	
		4.5	15	19	22	
		6.0	13	16	19	
t _{TLH} ,	Maximum Output Transition Time, Any Output	2.0	75	95	110	ns
t_{THL}	(Figures 1 and 2)	3.0	27	32	36	
		4.5	15	19	22	
		6.0	13	16	19	
C _{in}	Maximum Input Capacitance		10	10	10	pF
·			Typical @ 25°C, V _{CC} = 5.0 V			
C_{PD}	Power Dissipation Capacitance (Per Inverter) (Note 6)		:	22		pF

^{6.} Used to determine the no–load dynamic power consumption: $P_D = C_{PD} V_{CC}^2 f + I_{CC} V_{CC}$.

DC ELECTRICAL CHARACTERISTICS (MC74HCT14A)

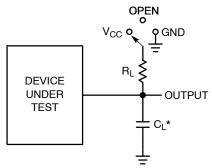
					Ten	nperatu	ıre Limi	t		
			v_{cc}	-55°C	to 25°C	≤8	5°C	≤12	25°C	
Symbol	Parameter	Test Conditions	Volts	Min	Max	Min	Max	Min	Max	Unit
V_{T+} max	Maximum Positive–Going Input Threshold Voltage	$V_{O} = 0.1 \text{ V or } V_{CC} - 0.1 \text{ V}$ $ I_{out} \le 20 \mu\text{A}$	4.5 5.5		1.9 2.1		1.9 2.1		1.9 2.1	٧
V_{T+} min	Minimum Positive-Going Input Threshold Voltage	$V_{O} = 0.1 \text{ V or } V_{CC} - 0.1 \text{ V}$ $ I_{out} \le 20 \mu\text{A}$	4.5 5.5	1.2 1.4		1.2 1.4		1.2 1.4		٧
V_{T-} max	Maximum Negative-Going Input Threshold Voltage	$V_O = 0.1 \text{ V or } V_{CC} - 0.1 \text{ V}$ $ I_{out} \le 20 \mu\text{A}$	4.5 5.5		1.2 1.4		1.2 1.4		1.2 1.4	
V_{T-} min	Minimum Negative-Going Input Threshold Voltage	$V_O = 0.1 \text{ V or } V_{CC} - 0.1 \text{ V}$ $ I_{out} \le 20 \mu\text{A}$	4.5 5.5	0.5 0.6		0.5 0.6		0.5 0.6		
V _H max	Maximum Hysteresis Voltage	$V_{O} = 0.1 \text{ V or } V_{CC} - 0.1 \text{ V}$ $ I_{out} \le 20 \mu\text{A}$	4.5 5.5		1.4 1.5		1.4 1.5		1.4 1.5	
V _H min	Minimum Hysteresis Voltage	$V_{O} = 0.1 \text{ V or } V_{CC} - 0.1 \text{ V}$ $ I_{out} \le 20 \mu\text{A}$	4.5 5.5	0.4 0.4		0.4 0.4		0.4 0 4		
V _{OH}	Minimum High-Level Output Voltage	V _I < V _{T−} min I _{out} ≤ 20 μA	4.5 5.5	4.4 5.4		4.4 5.4		4.4 5.4		٧
		$V_l < V_{T-}$ min $ I_{out} \le 4.0$ mA	4.5	3.98		3.84		3.7		
V _{OL}	Maximum Low-Level Output Voltage	$V_l \ge V_{T+} max$ $ I_{out} \le 20 \mu A$	4.5 5.5		0.1 0.1		0.1 0.1		0.1 0.1	V
		$V_l \ge V_{T+} max$ $ I_{out} \le 4.0 mA$	4.5		0.26		0.33		0.4	
I _{IK}	Maximum Input Leakage Current	V _I = V _{CC} or GND	5.5		±0.1		±1.0		±1.0	μΑ
I _{CC}	Maximum Quiescent Supply Current (per package)	$V_I = V_{CC}$ or GND $I_{out} = 0 \mu A$	5.5		1.0		10		40	μΑ
				≥ -55°C 25°C		C to 12	5°C			
ΔI_{CC}	Additional Quiescent Supply Current	V_{I} = 2.4 V, Any One Input V_{I} = V_{CC} or GND, Other Inputs I_{out} = 0 μA	5.5	2.9		2.9 2.4			mA	

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

AC CHARACTERISTICS (MC74HCT14A)

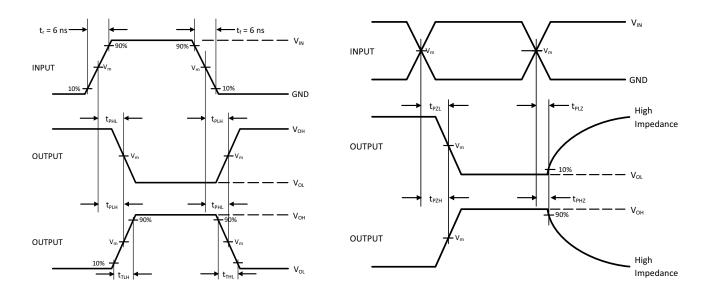
				Guaranteed Limit						
				-55°C	to 25°C	≤8	5°C	≤12	25°C	
Symbol	Parameter	Test Conditions	Figures	Min	Max	Min	Max	Min	Max	Unit
t _{PLH} , t _{PHL}	Maximum Propagation Delay, Input A to Output Y (L to H)	$V_{CC} = 5.0 \text{ V} \pm 10\%$ $C_L = 50 \text{ pF}, \text{ Input } t_r = t_f = 6.0 \text{ ns}$	1 & 2		32		40		48	ns
t _{TLH} , t _{THL}	Maximum Output Transition Time, Any Output	$V_{CC} = 5.0 \text{ V} \pm 10\%$ $C_L = 50 \text{ pF}, \text{ Input } t_r = t_f = 6.0 \text{ ns}$	1 & 2		15		19		22	ns

		Typical @ 25°C, V _{CC} = 5.0 V	
C_{PD}	Power Dissipation Capacitance, per Inverter (Note 6)	32	pF



Test	Switch Position	C _L	R _L
t _{PLH} / t _{PHL}	Open	50 pF	1 kΩ
t _{PLZ} / t _{PZL}	V _{CC}		
t _{PHZ} / t _{PZH}	GND		

Figure 1. Test Circuit



3 V Figure 2. Switching Waveforms

 V_{IN} , V

 V_{CC}

 V_m, V

50% x V_{CC}

1.3 V

Device

MC74HC14A

MC74HCT14A

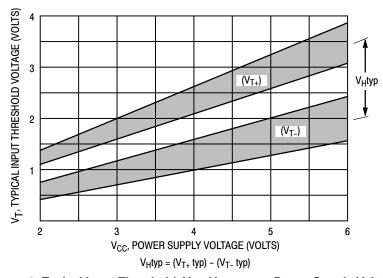
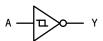
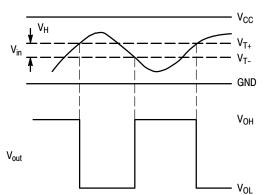


Figure 3. Typical Input Threshold, V_{T_+} , V_{T_-} versus Power Supply Voltage

 $^{^{\}star}C_L$ Includes probe and jig capacitance



(a) A Schmitt-Trigger Squares Up Inputs With Slow Rise and Fall Times



(b) A Schmitt-Trigger Offers Maximum Noise Immunity

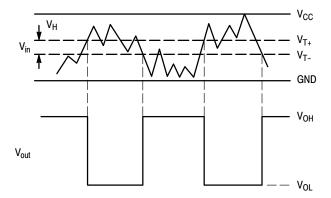


Figure 4. Typical Schmitt-Trigger Applications

ORDERING INFORMATION

Device	Marking [†]	Package	Shipping [†]
MC74HC14ADG	HC14AG	SOIC-14	55 Units / Rail
MC74HC14ADR2G	HC14AG	SOIC-14	2500 / Tape & Reel
MC74HC14ADR2G-Q*	HC14AG	SOIC-14	2500 / Tape & Reel
MC74HC14ADTG	HC 14A	TSSOP-14	2500 / Tape & Reel
MC74HC14ADTR2G	HC 14A	TSSOP-14	2500 / Tape & Reel
MC74HC14ADTR2G-Q*	HC 14A	TSSOP-14	2500 / Tape & Reel
MC74HCT14ADG	HCT14AG	SOIC-14	55 Units / Rail
MC74HCT14ADR2G	HCT14AG	SOIC-14	2500 / Tape & Reel
MC74HCT14ADR2G-Q*	HCT14AG	SOIC-14	2500 / Tape & Reel
MC74HCT14ADTR2G	HCT 14A	TSSOP-14	2500 / Tape & Reel
MC74HCT14ADTR2G-Q*	HCT 14A	TSSOP-14	2500 / Tape & Reel

[†]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.

^{*-}Q Suffix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q100 Qualified and PPAP Capable

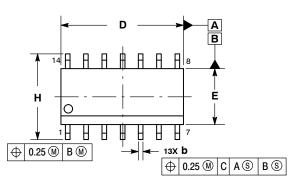


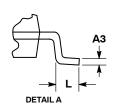


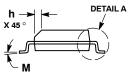
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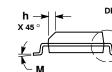
SOIC-14 NB CASE 751A-03 ISSUE L

DATE 03 FEB 2016





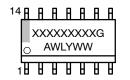




- NOTES:
 1. DIMENSIONING AND TOLERANCING PER
 - ASME Y14.5M, 1994.
 CONTROLLING DIMENSION: MILLIMETERS.
- DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE PROTRUSION SHALL BE 0.13 TOTAL IN EXCESS OF AT
- MAXIMUM MATERIAL CONDITION.
 DIMENSIONS D AND E DO NOT INCLUDE MOLD PROTRUSIONS.
- 5. MAXIMUM MOLD PROTRUSION 0.15 PER SIDE

	MILLIN	IETERS	INC	HES
DIM	MIN	MAX	MIN	MAX
Α	1.35	1.75	0.054	0.068
A1	0.10	0.25	0.004	0.010
АЗ	0.19	0.25	0.008	0.010
b	0.35	0.49	0.014	0.019
D	8.55	8.75	0.337	0.344
Е	3.80	4.00	0.150	0.157
œ	1.27	BSC	0.050	BSC
Н	5.80	6.20	0.228	0.244
h	0.25	0.50	0.010	0.019
L	0.40	1.25	0.016	0.049
М	0 °	7°	0 °	7 °

GENERIC MARKING DIAGRAM*



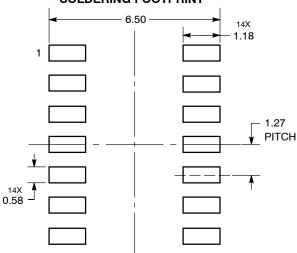
XXXXX = Specific Device Code Α = Assembly Location

WL = Wafer Lot Υ = Year WW = Work Week = 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.

SOLDERING FOOTPRINT*

C SEATING PLANE



DIMENSIONS: MILLIMETERS

STYLES ON PAGE 2

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^{*}For additional information on our Pb-Free strategy and soldering details, please download the ON Semiconductor Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

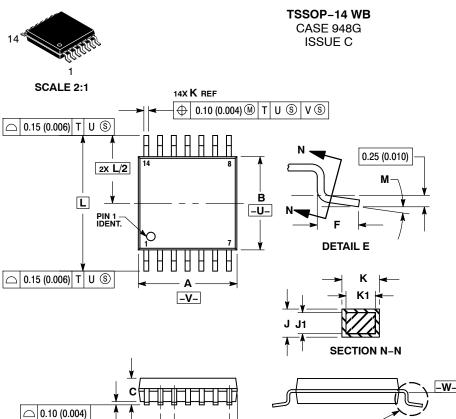
SOIC-14 CASE 751A-03 ISSUE L

DATE 03 FEB 2016

STYLE 1: PIN 1. COMMON CATHODE 2. ANODE/CATHODE 3. ANODE/CATHODE 4. NO CONNECTION 5. ANODE/CATHODE 6. NO CONNECTION 7. ANODE/CATHODE 8. ANODE/CATHODE 9. ANODE/CATHODE 10. NO CONNECTION 11. ANODE/CATHODE 12. ANODE/CATHODE 13. NO CONNECTION 14. COMMON ANODE	STYLE 2: CANCELLED	STYLE 3: PIN 1. NO CONNECTION 2. ANODE 3. ANODE 4. NO CONNECTION 5. ANODE 6. NO CONNECTION 7. ANODE 8. ANODE 9. ANODE 10. NO CONNECTION 11. ANODE 12. ANODE 13. NO CONNECTION 14. COMMON CATHODE	STYLE 4: PIN 1. NO CONNECTION 2. CATHODE 3. CATHODE 4. NO CONNECTION 5. CATHODE 6. NO CONNECTION 7. CATHODE 8. CATHODE 9. CATHODE 10. NO CONNECTION 11. CATHODE 12. CATHODE 13. NO CONNECTION 14. COMMON ANODE
STYLE 5: PIN 1. COMMON CATHODE 2. ANODE/CATHODE 3. ANODE/CATHODE 4. ANODE/CATHODE 5. ANODE/CATHODE 6. NO CONNECTION 7. COMMON ANODE 8. COMMON CATHODE 9. ANODE/CATHODE 10. ANODE/CATHODE 11. ANODE/CATHODE 12. ANODE/CATHODE 13. NO CONNECTION 14. COMMON ANODE	STYLE 6: PIN 1. CATHODE 2. CATHODE 3. CATHODE 4. CATHODE 5. CATHODE 6. CATHODE 7. CATHODE 8. ANODE 9. ANODE 10. ANODE 11. ANODE 12. ANODE 13. ANODE 14. ANODE	STYLE 7: PIN 1. ANODE/CATHODE 2. COMMON ANODE 3. COMMON CATHODE 4. ANODE/CATHODE 5. ANODE/CATHODE 6. ANODE/CATHODE 7. ANODE/CATHODE 8. ANODE/CATHODE 9. ANODE/CATHODE 10. ANODE/CATHODE 11. COMMON CATHODE 12. COMMON ANODE 13. ANODE/CATHODE 14. ANODE/CATHODE	STYLE 8: PIN 1. COMMON CATHODE 2. ANODE/CATHODE 3. ANODE/CATHODE 4. NO CONNECTION 5. ANODE/CATHODE 6. ANODE/CATHODE 7. COMMON ANODE 8. COMMON ANODE 9. ANODE/CATHODE 10. ANODE/CATHODE 11. NO CONNECTION 12. ANODE/CATHODE 13. ANODE/CATHODE 14. COMMON CATHODE

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DESCRIPTION:	SOIC-14 NB		PAGE 2 OF 2

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DATE 17 FEB 2016

- NOTES:

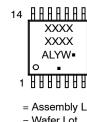
 1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.

 2. CONTROLLING DIMENSION: MILLIMETER.

 3. 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 SHALL
- INTERLEAD FLASH OR PROTRUSION SHALL NOT EXCEED 0.25 (0.010) PER SIDE. DIMENSION K DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08 (0.003) TOTAL IN EXCESS OF THE K DIMENSION AT MAXIMUM MATERIAL CONDITION. TERMINAL NUMBERS ARE SHOWN FOR DEEEDERING ONLY
- REFERENCE ONLY.
 DIMENSION A AND B ARE TO BE
- DETERMINED AT DATUM PLANE -W-.

	MILLIMETERS		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	0.50	0.60	0.020	0.024
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	o°	8 °	0 °	8 °

GENERIC MARKING DIAGRAM*



= Assembly Location

= Wafer Lot Υ = Year

= Work Week W

= Pb-Free Package

(Note: Microdot may be in either 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.

DETAIL E 0.15 (0.006) T U S A O.10 (0.004) O.10 (0.004)	4. [4. [1 5. [6.] 7. [7. [
SOLDERING FOOTPRINT 7.06 1	A L Y V
0.65 PITCH	(Note:

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DESCRIPTION:	TSSOP-14 WB		PAGE 1 OF 1	

DIMENSIONS: MILLIMETERS

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