

Hex Inverter with Schmitt Trigger Input

74AC14, 74ACT14

General Description

The 74AC14 and 74ACT14 contain six inverter gates each with a Schmitt trigger input. They are capable of transforming slowly changing input signals into sharply defined, jitter-free output signals. In addition, they have a greater noise margin than conventional inverters.

The 74AC14 and 74ACT14 have hysteresis between the positive–going and negative–going input thresholds (typically 1.0 V) which is determined internally by transistor ratios and is essentially insensitive to temperature and supply voltage variations.

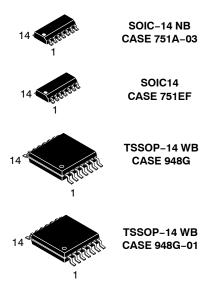
Features

- I_{CC} Reduced by 50%
- Outputs Source/Sink 24 mA
- 74ACT14 has TTL-Compatible Inputs
- These are Pb-Free Devices

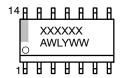
ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Supply Voltage	V _{CC}	-0.5 to +6.5	V
DC Input Diode Current $V_I = -0.5 \text{ V}$ $V_I = V_{CC} + 1.5 \text{ V}$	I _{IK}	-20 +20	mA
DC Input Voltage	VI	–0.5 to V _{CC} + 1.5	V
DC Output Diode Current $V_O = -0.5 \text{ V}$ $V_O = V_{CC} + 0.5 \text{ V}$	I _{OK}	-20 +20	mA
DC Output Voltage	V _O	-0.5 to V _{CC} + 0.5	V
DC Output Source or Sink Current	I _O	±50	mA
DC V _{CC} or Ground Current per Output Pin	I _{CC} or I _{GND}	±50	mA
Storage Temperature Range	T _{STG}	-65 to +150	°C
Junction Temperature	TJ	140	°C

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.



MARKING DIAGRAM



XXXXXX = Specific Device Code = Assembly Location WL = Wafer Lot Υ = Year ww = Work Week

MARKING DIAGRAM



XXXXXX = Specific Device Code = Assembly Location = Wafer Lot = Year W = Work Week = Pb-Free Package

(Note: Microdot may be in either location)

ORDERING INFORMATION

See detailed ordering and shipping information on page 5 of this data sheet.

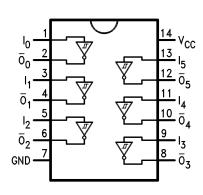


Figure 1. Connection Diagram

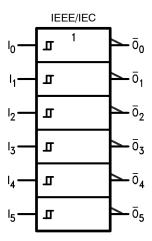


Figure 2. Logic Symbol

PIN DESCRIPTION

Pin	Description
A _n	Inputs
Ōn	Outputs

FUNCTION TABLE

Input	Output
Α	ō
L	Н
Н	L

RECOMMENDED OPERATING CONDITIONS

Symbol	Parameter	Min	Max	Unit
V _{CC}	Supply Voltage AC ACT	2.0 4.5	6.0 5.5	V
VI	Input Voltage	0	V _{CC}	V
Vo	Output Voltage	0	V _{CC}	V
T _A	Operating Temperature	-40	+85	°C

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.

DC ELECTRICAL CHARACTERISTICS FOR AC

				T _A = +25°C		$T_A = -40^{\circ}C \text{ to } +85^{\circ}C$	
Symbol	Parameter	V _{CC} (V)	Conditions	Тур	G	Guaranteed Limits	Unit
V _{OH}	Minimum HIGH Level	3.0	I _{OUT} = -50 μA	2.99	2.9	2.9	V
	Output Voltage	4.5		4.49	4.4	4.4	
		5.5		5.49	5.4	5.4	
		3.0	I _{OH} = 12 mA	-	2.56	2.46	
		4.5	I _{OH} = 24 mA	-	3.86	3.76	
		5.5	I _{OH} = 24 mA (Note 1)	-	4.86	4.76	
V _{OL}	Maximum LOW Level	3.0	I _{OUT} = 50 μA	0.002	0.1	0.1	V
	Output Voltage	4.5		0.001	0.1	0.1	
		5.5		0.001	0.1	0.1	
		3.0	I _{OL} = 12 mA	-	0.36	0.44	
		4.5 I _{OL} :	I _{OL} = 24 mA	-	0.36	0.44	
		5.5	I _{OL} = 24 mA (Note 1)	-	0.36	0.44	
I _{IN} (Note 3)	Maximum Input Leakage Current	5.5	V _I = V _{CC} , GND	-	±0.1	±1.0	μΑ
V _{t+}	Maximum Positive	3.0	T _A = Worst Case	-	2.2	2.2	V
	Threshold	4.5		_	3.2	3.2	
		5.5		_	3.9	3.9	
V _{t-}	Minimum Negative	3.0	T _A = Worst Case	-	0.5	0.5	V
	Threshold	4.5		-	0.9	0.9	
		5.5		-	1.1	1.1	
V _{H(MAX)}	Maximum Hysteresis	3.0	T _A = Worst Case	-	1.2	1.2	V
		4.5		_	1.4	1.4	
		5.5		-	1.6	1.6	
V _{H(MIN)}	Minimum Hysteresis	3.0	T _A = Worst Case	-	0.3	0.3	V
		4.5		_	0.4	0.4	
		5.5		-	0.5	0.5	
I _{OLD}	Minimum Dynamic	5.5	V _{OLD} = 1.65 V Max.	-	_	75	mA
I _{OHD}	Output Current (Note 2)	5.5	V _{OHD} = 3.85 V Min.	-	_	-75	mA
I _{CC} (Note 3)	Maximum Quiescent Supply Current	5.5	$V_{IN} = V_{CC}$ or GND	-	2.0	20.0	μΑ

- All outputs loaded; thresholds on input associated with output under test.
 Maximum test duration 2.0 ms, one output loaded at a time.
 I_{IN} and I_{CC} at 3.0 V are guaranteed to be less than or equal to the respective limit at 5.5 V V_{CC}.

DC ELECTRICAL CHARACTERISTICS FOR ACT

				T _A = -	+25°C	T _A = -40°C to +85°C	
Symbol	Parameter	V _{CC} (V)	Conditions	Тур	G	uaranteed Limits	Unit
V _{IH}	Minimum HIGH Level	4.5	V _{OUT} = 0.1 V	1.5	2.0	2.0	V
	Input Voltage	5.5	or V _{CC} – 0.1 V	1.5	2.0	2.0	
V _{IL}	Maximum LOW Level	4.5	V _{OUT} = 0.1 V	1.5	8.0	0.8	V
	Input Voltage	5.5	or V _{CC} – 0.1 V	1.5	8.0	0.8	
V _{OH}	Minimum HIGH Level	4.5	I _{OUT} = -50 μA	4.49	4.34	4.4	V
	Output Voltage	5.5	1	5.49	5.4	5.4	
		4.5	$V_{IN} = V_{IL}$ or V_{IH} , $I_{OH} = -24$ mA	_	3.86	3.76	
		5.5	$V_{IN} = V_{IL}$ or V_{IH} , $I_{OH} = -24$ mA (Note 4)	_	4.86	4.76	1
V _{OL}	Maximum LOW Level	4.5	I _{OUT} = 50 μA	0.001	0.1	0.1	V
	Output Voltage	5.5		0.001	0.1	0.1	
		4.5	$V_{IN} = V_{IL} \text{ or } V_{IH},$ $I_{OL} = 24 \text{ mA}$	_	0.36	0.44	
		5.5	$V_{IN} = V_{IL} \text{ or } V_{IH,}$ $I_{OL} = 24 \text{ mA (Note 4)}$	_	0.36	0.44	
I _{IN}	Maximum Input Leakage Current	5.5	$V_I = V_{CC}$, GND	-	±0.1	±1.0	μΑ
V _{H(MAX)}	Maximum Hysteresis	4.5	T _A = Worst Case	-	1.4	1.4	V
		5.5		-	1.6	1.6	
V _{H(MIN)}	Minimum Hysteresis	4.5	T _A = Worst Case	-	0.4	0.4	V
		5.5		-	0.5	0.5	
V_{t+}	Maximum Positive	4.5	T _A = Worst Case	-	2.0	2.0	V
	Threshold	5.5		-	2.0	2.0	
V_{t-}	Minimum Negative	4.5	T _A = Worst Case	-	0.8	0.8	V
	Threshold	5.5		-	0.8	0.8	
I _{CCT}	Maximum I _{CC} /Input	5.5	V _I = V _{CC} - 2.1 V	0.6	-	1.5	mA
I _{OLD}	Minimum Dynamic	5.5	V _{OLD} = 1.65 V Max.	-	-	75	mA
I _{OHD}	Output Current (Note 5)	5.5	V _{OHD} = 3.85 V Min.	-	-	-75	mA
I _{CC}	Maximum Quiescent Supply Current	5.5	V _{IN} = V _{CC} or GND	-	2.0	20.0	μΑ

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.

4. All outputs loaded; thresholds on input associated with output under test.

^{5.} Maximum test duration 2.0 ms, one output loaded at a time.

AC ELECTRICAL CHARACTERISTICS FOR AC

			T _A = +25°C, C _L = 50 pF		T _A = -40°C to +8			
Symbol	Parameter	V _{CC} (V) (Note 6)	Min	Тур	Max	Min	Max	Unit
t _{PLH}	Propagation Delay	3.3	1.5	9.5	13.5	1.5	15.0	ns
		5.0	1.5	7.0	10.0	1.5	11.0	
t _{PHL}	Propagation Delay	3.3	1.5	7.5	11.5	1.5	13.0	ns
		5.0	1.5	6.0	8.5	1.5	9.5	

^{6.} Voltage range 3.3 is 3.3 V + 0.3 V. Voltage range 5.0 is 5.0 V + 0.5 V.

AC ELECTRICAL CHARACTERISTICS FOR ACT

			T _A = +25°C, C _L = 50 pF		$T_A = -40^{\circ}C \text{ to } +85^{\circ}C, C_L = 50 \text{ pF}$			
Symbol	Parameter	V_{CC}(V) (Note 7)	Min	Тур	Max	Min	Max	Unit
t _{PLH}	Propagation Delay	5.0	3.0	8.0	10.0	3.0	11.0	ns
t _{PLH}	Propagation Delay	5.0	3.0	8.0	10.0	3.0	11.0	ns

^{7.} Voltage range 5.0 is 5.0 V + 0.5 V.

CAPACITANCE

Symbol	Parameter	Conditions	Тур	Unit
C _{IN}	Input Capacitance	V _{CC} = OPEN	4.5	pF
C _{PD}	Power Dissipation Capacitance AC ACT	V _{CC} = 5.0 V	25.0 80	pF

ORDERING INFORMATION

Order Number	Marking	Package	Shipping [†]
74AC14SC	AC14	SOIC-14	55 Units / Rail
74AC14SCX	AC14	SOIC-14	2500 / Tape & Reel
74AC14MTCX	AC 14	TSSOP-14	2500 / Tape & Reel
74ACT14MTC	ACT 14	TSSOP-14	96 Units / Rail
74ACT14MTCX	ACT 14	TSSOP-14	2500 / Tape & Reel
74ACT14SCX	ACT14	SOIC-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.

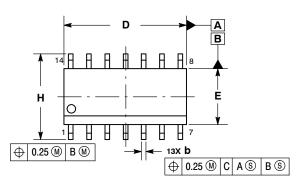


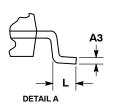


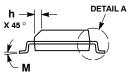
△ 0.10

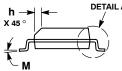
SOIC-14 NB CASE 751A-03 ISSUE L

DATE 03 FEB 2016





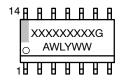




- NOTES:
 1. DIMENSIONING AND TOLERANCING PER
 - ASME Y14.5M, 1994.
 CONTROLLING DIMENSION: MILLIMETERS.
- DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE PROTRUSION SHALL BE 0.13 TOTAL IN EXCESS OF AT
- MAXIMUM MATERIAL CONDITION.
 DIMENSIONS D AND E DO NOT INCLUDE MOLD PROTRUSIONS.
- 5. MAXIMUM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

	MILLIM	IETERS	INCHES		
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	
е	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	
M	0 °	7°	0 °	7°	

GENERIC MARKING DIAGRAM*

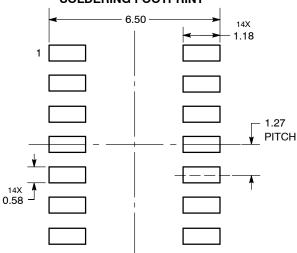


XXXXX = Specific Device Code Α = Assembly Location

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*



DIMENSIONS: MILLIMETERS

C SEATING PLANE

STYLES ON PAGE 2

DOCUMENT NUMBER:	98ASB42565B	Electronic versions are uncontrolled except when accessed directly from the Document Reposi Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.			
DESCRIPTION:	SOIC-14 NB		PAGE 1 OF 2		

onsemi and ONSEMI. are trademarks of Semiconductor Components Industries, LLC dba onsemi or its subsidiaries in the United States and/or other countries. onsemi reserves the right to make changes without further notice to any products herein. onsemi makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. onsemi does not convey any license under its patent rights nor the rights of others.

^{*}For additional information on our Pb-Free strategy and soldering details, please download the onsemi 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

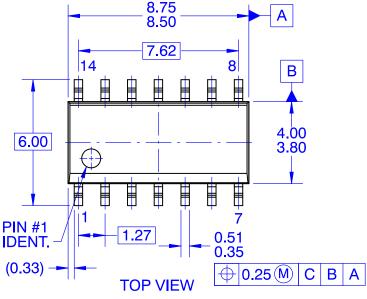
DOCUMENT NUMBER:	98ASB42565B	Electronic versions are uncontrolled except when accessed directly from the Document Repositor, Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.		
DESCRIPTION:	SOIC-14 NB		PAGE 2 OF 2	

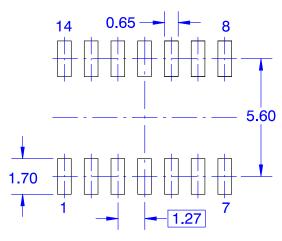
onsemi and ONSEMI are trademarks of Semiconductor Components Industries, LLC dba onsemi or its subsidiaries in the United States and/or other countries. onsemi reserves the right to make changes without further notice to any products herein. onsemi makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. onsemi does not convey any license under its patent rights nor the rights of others.



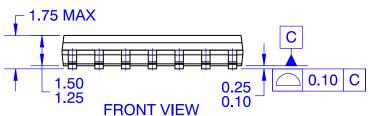
SOIC14 CASE 751EF **ISSUE O**

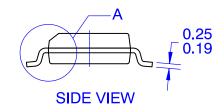
DATE 30 SEP 2016





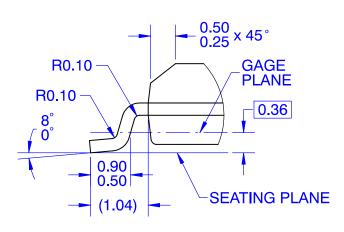
LAND PATTERN RECOMMENDATION





NOTES:

- A. CONFORMS TO JEDEC MS-012, VARIATION AB, ISSUE C
 B. ALL DIMENSIONS ARE IN MILLIMETERS
- C. DIMENSIONS DO NOT INCLUDE MOLD
- FLASH OR BURRS
- D. LAND PATTERN STANDARD: SOIC127P600X145-14M
- E. CONFORMS TO ASME Y14.5M, 2009



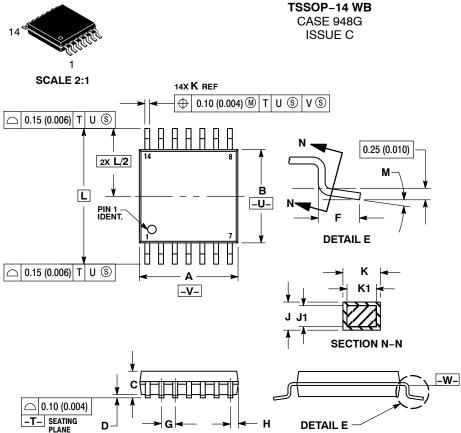
DETAIL A SCALE 16:1

DOCUMENT NUMBER:	98AON13739G	Electronic versions are uncontrolled except when accessed directly from the Document Reposito Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.	
DESCRIPTION:	SOIC14		PAGE 1 OF 1

onsemi and ONSemi are trademarks of Semiconductor Components Industries, LLC dba onsemi or its subsidiaries in the United States and/or other countries. onsemi reserves the right to make changes without further notice to any products herein. onsemi makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. onsemi does not convey any license under its patent rights nor the rights of others.

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 DEEEDENIC OMITY.
- 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 °	o °	a °

GENERIC MARKING DIAGRAM*



= Assembly Location

L = Wafer Lot = 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.

RECOMMENDED SOLDERING FOOTPRINT*

-	7.06
1	
	-
J	PITCH
14X 0.36	
0.36 - 1.26	DIMENSIONS: MILLIMETERS

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

DOCUMENT NUMBER:	98ASH70246A	Electronic versions are uncontrolled except when accessed directly from the Document Repository Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.		
DESCRIPTION:	TSSOP-14 WB		PAGE 1 OF 1	

onsemi and ONSEMI. are trademarks of Semiconductor Components Industries, LLC dba onsemi or its subsidiaries in the United States and/or other countries. onsemi reserves the right to make changes without further notice to any products herein. **onsemi** makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does **onsemi** assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. onsemi does not convey any license under its patent rights nor the rights of others.

onsemi, ONSEMI., and other names, marks, and brands are registered and/or common law trademarks of Semiconductor Components Industries, LLC dba "onsemi" or its affiliates and/or subsidiaries in the United States and/or other countries. onsemi owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of onsemi's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. onsemi reserves the right to make changes at any time to any products or information herein, without notice. The information herein is provided "as-is" and onsemi makes no warranty, representation or guarantee regarding the accuracy of the information, product features, availability, functionality, or suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using **onsemi** products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by **onsemi**. "Typical" parameters which may be provided in **onsemi** data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. **onsemi** does not convey any license under any of its intellectual property rights nor the rights of others. **onsemi** products are not designed, intended, or authorized for use as a critical component in life support systems. or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use **onsemi** products for any such unintended or unauthorized application, Buyer shall indemnify and hold **onsemi** and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that **onsemi** was negligent regarding the design or manufacture of the part. **onsemi** is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

ADDITIONAL INFORMATION

TECHNICAL PUBLICATIONS:

 $\textbf{Technical Library:} \ \underline{www.onsemi.com/design/resources/technical-documentation}$

onsemi Website: www.onsemi.com

ONLINE SUPPORT: www.onsemi.com/support

For additional information, please contact your local Sales Representative at

www.onsemi.com/support/sales