

Schmitt Trigger Buffer, **Dual, Non-Inverting**

NLV27WZ17

The NLV27WZ17 is a high performance dual buffer with Schmitt-Trigger inputs operating from a 1.65 to 5.5 V supply.

Features

- Designed for 1.65 V to 5.5 V V_{CC} Operation
- 3.7 ns t_{PD} at $V_{CC} = 5 \text{ V (Typ)}$
- Inputs/Outputs Overvoltage Tolerant up to 5.5 V
- I_{OFF} Supports Partial Power Down Protection
- Sink 32 mA at 4.5 V
- Available in SC-88 Package
- Chip Complexity < 100 FETs
- Figure 1. Logic Symbol • NLV Prefix for Automotive and Other Applications Requiring
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS



MARKING DIAGRAMS



SC-88 **DF SUFFIX** CASE 419B-02



XXX = Specific Device Code

М = Date Code* = Pb-Free Package

(Note: Microdot may be in either location)

*Date Code orientation and/or position may vary depending upon manufacturing location.

ORDERING INFORMATION

See detailed ordering and shipping information in the package dimensions section on page 7 of this data sheet.

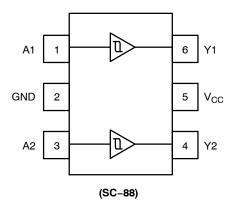


Figure 2. Pinout (Top View)

PIN ASSIGNMENT

	Pin	Function		A Input Y Output
	1	A1		1 6
	2	GND		Н
	3	A2		
	4	Y2		MEN
	5	V _{CC}		OP ai ai
	6	Y1		OF CENTION
THIS	DEVICE	SNOTE	ECOMINE WORL CONTACTOR CONTACTOR	DEOR NEW OR

FUNCTION TABLE

A Input	Y Output
L	L
Н	Н

MAXIMUM RATINGS

Symbol	Characteristics		Value	Units
V _{CC}	DC Supply Voltage		-0.5 to +7.0	V
V _{IN}	DC Input Voltage		-0.5 to +7.0	V
V _{OUT}	DC Output Voltage Active-Mode (High or Tri-State Mode) Power-Down Mode	de (Note 1)	-0.5 to V _{CC} +0.5 -0.5 to +7.0 -0.5 to +7.0	V
I _{IK}	DC Input Diode Current, V _{IN} < GND		-50	mA
lok	DC Output Diode Current, V _{OUT} < GND		-50	mA
l _{out}	DC Output Source/Sink Current		±50	mA
I _{CC} or I _{GND}	DC Supply Current per Supply Pin or Ground Pin		±100	mA
T _{STG}	Storage Temperature Range		-65 to +150	°C
TL	Lead Temperature, 1 mm from Case for 10 secs		260	°C
TJ	Junction Temperature under Bias		+150	°C
$\theta_{\sf JA}$	Thermal Resistance (Note 2)	SC-88	377	°C/W
P _D	Power Dissipation in Still Air	SC-88	332	mW
MSL	Moisture Sensitivity		Level 1	-
F _R	Flamebility Rating Oxygen Ind	ex: 28 to 34	UL 94-V-0 @ 0.125 in	-
V _{ESD}	ESD Withstand Voltage (Note 3) Human Charged D	Body Model evice Model	2000 N/A	V
I _{LATCHUP}	Latchup Performance (Note 4)	750	±500	mA

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality

- Stresses exceeding those listed in the Maximum Hatings rable may damage the device. If any or mese limits are exceeded, device lands and reliability may be affected.

 1. Applicable to devices with outputs that may be tri–stated.

 2. Measured with minimum pad spacing on an FR4 board, using 10 mm-by-1 inch, 2 ounce copper trace no air flow per JESD51-7.

 3. HBM tested to ANSI/ESDA/JEDEC JS-001-2017. CDM tested to EIA/JESD22-C101-F. JEDEC recommends that ESD qualification to EIA/JESD22-A115-A (Machine Model) be discontinued per JEDEC/JEP172A.
- 4. Tested to EIA/JESD78 Class II.

RECOMMENDED OPERATING CONDITIONS

Symbol	Parameter	Min	Max	Unit
V _{CC}	Positive DC Supply Voltage	1.65	5.5	V
V _{IN}	DC Input Voltage	0	5.5	V
V _{OUT}	DC Output Voltage Active–Mode (High or Low State) Tri–State Mode (Note 1) Power–Down Mode (V _{CC} = 0 V)	0 0 0	V _{CC} 5.5 5.5	V
T _A	Operating Temperature Range	-55	+125	°C
t _r , t _f	Input Transition Rise or Fall Rate $ \begin{array}{c} V_{CC} = 1.65 \ V \ to \ 1.95 \ V \\ V_{CC} = 2.3 \ V \ to \ 2.7 \ V \\ V_{CC} = 3.0 \ V \ to \ 3.6 \ V \\ V_{CC} = 4.5 \ V \ to \ 5.5 \ V \\ \end{array} $	0 0 0 0	No Limit No Limit No Limit 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.

DC ELECTRICAL CHARACTERISTICS

				T _A :	= 25°C		-40°C ≤ T _A	≤ 85°C	-55°C ≤ T _A ≤	125°C	
Symbol	Parameter	Condition	V _{CC} (V)	Min	Тур	Max	Min	Max	Min	Max	Unit
V _T +	Positive Input		1.65	0.6	1.0	1.4	0.6	1.4	0.6	1.4	٧
	Threshold Voltage		2.3	1.0	1.5	1.8	1.0	1.8	1.0	1.8	
	J		2.7	1.2	1.7	2.0	1.2	2.0	1.2	2.0	
			3.0	1.3	1.9	2.2	1.3	2.2	1.3	2.2	
			4.5	1.9	2.7	3.1	1.9	3.1	1.9	3.1	
			5.5	2.2	3.3	3.6	2.2	3.6	2.2	3.6	
V _T -	Negative		1.65	0.2	0.5	0.8	0.2	0.8	0.2	0.8	V
	Input Threshold		2.3	0.4	0.75	1.15	0.4	1.15	0.4	1.15	
	Voltage		2.7	0.5	0.87	1.4	0.5	1.4	0.5	1.4	
			3.0	0.6	1.0	1.5	0.6	1.5	0.6	1.5	
			4.5	1.0	1.5	2.0	1.0	2.0	1.0	2.0	
			5.5	1.2	1.9	2.3	1.2	2.3	1.2	2.3	
V _H	Input		1.65	0.1	0.48	0.9	0.1	0.9	0.1	0.9	V
	Hysteresis Voltage		2.3	0.25	0.75	1.1	0.25	1.1	0.25	1.1	
			2.7	0.3	0.83	1.15	0.3	1.15	0.3	1.15	
			3	0.4	0.93	1.2	0.4	1.2	0.4	1.2	
			4.5	0.6	1.2	1.5	0.6	1.5	0.6	1.5	
			5.5	0.7	1.4	1.7	0.7	1.7	0.7	1.7	
V _{OH}	High-Level	$I_{OH} = -100 \mu A$	1.65 to 5.5	V _{CC} – 0.1	V _{CC}	0Y	V _{CC} - 0.1	VÞ.	V _{CC} - 0.1	-	V
	Output Voltage	$I_{OH} = -4 \text{ mA}$	1.65	1.29	1.52	(to	1.29	-	1.29	-	
	$V_{IN} = V_{IH}$ or V_{IL}	$I_{OH} = -8 \text{ mA}$	2.3	1.9	2.1	9,	1.9	-	1.9	-	
	VIL	$I_{OH} = -12 \text{ mA}$	2.7	2.2	2.4	2	2.2	-	2.2	-	
		$I_{OH} = -16 \text{ mA}$	3	2.4	2.7)/-	2.4	-	2.4	-	
		$I_{OH} = -24 \text{ mA}$	3	2.3	2.5	-	2.3	-	2.3	-	
		$I_{OH} = -32 \text{ mA}$	4,5	3.8	4	-	3.8	-	3.8	-	
V_{OL}	Low-Level	$I_{OL} = 100 \mu\text{A}$	1.65 to 5.5	<\\-\-\.	-	0.1	-	0.1	-	0.1	V
	Output Voltage	I _{OL} = 4 mA	1.65	_	0.08	0.24	-	0.24	-	0.24	
	$V_{IN} = V_{IH}$ or V_{IL}	I _{OL} = 8 mA	2.3	-	0.2	0.3	-	0.3	-	0.3	
		I _{OL} = 12 mA	2.7	-	0.22	0.4	-	0.4	-	0.4	
	415	I _{OL} = 16 mA	3	-	0.28	0.4	-	0.4	-	0.4	
		I _{OL} = 24 mA	3	-	0.38	0.55	-	0.55	-	0.55	
		I _{OL} = 32 mA	4.5	-	0.42	0.55	-	0.55	-	0.55	
I _{IN}	Input Leakage Current	V _{IN} = 5.5 V or GND	1.65 to 5.5	_	İ	±0.1	_	±1.0	-	±1.0	μΑ
I _{OFF}	Power Off Leakage Current	V _{IN} = 5.5 V or V _{OUT} = 5.5 V	0	-	-	1	-	10	-	10	μΑ
I _{CC}	Quiescent Supply Current	V _{IN} = 5.5 V or GND	5.5	-	-	1	-	10	-	10	μА

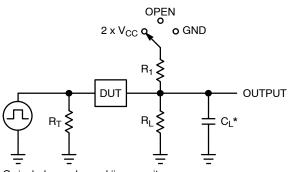
AC ELECTRICAL CHARACTERISTICS

				1	A = 25°C	;	-40°C ≤ 1	Γ _A ≤ 85°C	–55°C ≤ T	_A ≤ 125°C	
Symbol	Parameter	Condition	V _{CC} (V)	Min	Тур	Max	Min	Max	Min	Max	Unit
tPLH, Propagation Delay, A to Y	$RL = 1 M\Omega$, CL = 15 pF	1.65 to 1.95	-	9.1	15	_	15.6	_	15.6	ns	
	(Figures 3 and 4)	RL = 1 M Ω , CL = 15 pF	2.3 to 2.7	-	5.0	9.0	-	9.5	-	9.5	
			3.0 to 3.6	-	3.7	6.3	-	6.5	-	6.5	
	RL = 500Ω , CL = $50 pF$		4.5 to 5.5	-	3.1	5.2	-	5.5	-	5.5	
			3.0 to 3.6	-	4.4	7.2	-	7.5	-	7.5	
		4.5 to 5.5	-	3.7	5.9	-	6.2	-	6.2		

CAPACITIVE CHARACTERISTICS

Symbol	Parameter	Condition	Typical	Unit
C _{IN}	Input Capacitance	V _{CC} = 5.5 V, V _I = 0 V or V _{CC}	2.5	pF
C _{OUT}	Output Capacitance	V _{CC} = 5.5 V, V _I = 0 V or V _{CC}	4.0	pF
C _{PD}	Power Dissipation Capacitance (Note 5)	10 MHz, V_{CC} = 3.3 V, V_{IN} = 0 V or V_{CC} 10 MHz, V_{CC} = 5.0 V, V_{IN} = 0 V or V_{CC}	11 12.5	pF
Average power o	e operating current can be obtained by the equation consumption; $P_D = C_{PD} \cdot V_{CC}^2 \cdot f_{in}$) $I_{CC} \cdot V_{CC}$.	citance which is calculated from the operating current of the company of the comp		out load.

^{5.} C_{PD} is defined as the value of the internal equivalent capacitance which is calculated from the operating current consumption without load. Average operating current can be obtained by the equation: $I_{CC(OPR)} = C_{PD} \cdot V_{CC} \cdot f_{in}$) I_{CC} . C_{PD} is used to determine the no–load dynamic



 C_L includes probe and jig capacitance R_T is Z_{OUT} of pulse generator (typically 50 Ω) f = 1 MHz

 $\begin{array}{|c|c|c|c|c|} \hline \textbf{Test} & \textbf{Switch} \\ \textbf{Position} & \textbf{C}_{\textbf{L}}, \textbf{pF} & \textbf{R}_{\textbf{L}}, \Omega & \textbf{R}_{\textbf{1}}, \Omega \\ \hline t_{\textbf{PLH}} / t_{\textbf{PHL}} & \textbf{Open} & \textbf{See AC Characteristics Table} \\ \hline t_{\textbf{PLZ}} / t_{\textbf{PZL}} & 2 \times V_{\textbf{CC}} & - & - & - \\ \hline & \textbf{See AC Characteristics Table} \\ \hline t_{\textbf{PHZ}} / t_{\textbf{PZH}} & \textbf{GND} & - & - & - \\ \hline & \textbf{See AC Characteristics Table} \\ \hline \end{array}$

X = Don't Care

Figure 3. Test Circuit

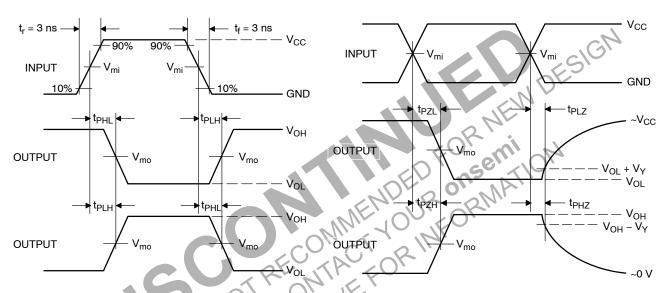


Figure 4. Switching Waveforms

	1100012,51	V		
V _{CC} , V	V_{mi}, V	t _{PLH} , t _{PHL}	t _{PZL} , t _{PLZ} , t _{PZH} , t _{PHZ}	V _Y , V
1.65 to 1.95	V _{CC} /2	V _{CC} /2	V _{CC} / 2	0.15
2.3 to 2.7	V _{CC} /2	V _{CC} /2	V _{CC} / 2	0.15
3.0 to 3.6	V _{CC} /2	V _{CC} /2	V _{CC} /2	0.3
4.5 to 5.5	V _{CC} /2	V _{CC} /2	V _{CC} /2	0.3

ORDERING INFORMATION

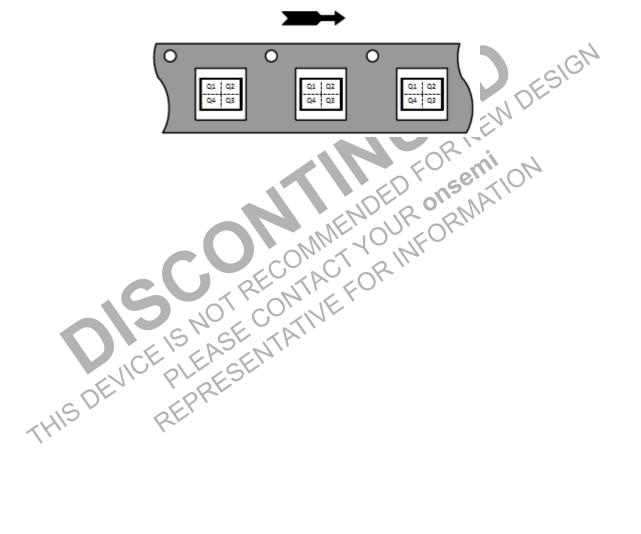
Device	Package	Specific Device Code	Pin1 Orientation (See below)	Shipping [†]
NL27WZ17DFT2G-L22348	SC-88	MX	Q4	3000 / Tape & Reel
NLV27WZ17DFT2G*	SC-88	MX	Q4	3000 / Tape & Reel

[†]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.

Pin 1 Orientation in Tape and Reel







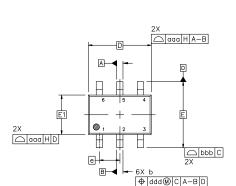
^{*}NLV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q100 Qualified and PPAP Capable.





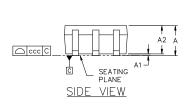
SC-88 2.00x1.25x0.90, 0.65P CASE 419B-02 **ISSUE Z**

DATE 18 APR 2024



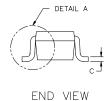
NOTES:

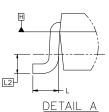
- DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5-2018.
- ALL DIMENSION ARE IN MILLIMETERS.
- DIMENSIONS D AND E1 DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS. MOLD FLASH, PROTRUSIONS, OR GATE BURRS SHALL NOT EXCEED 0.20
- DIMENSIONS D AND E1 AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY AND DATUM H.
 DATUMS A AND B ARE DETERMINED AT DATUM H.
- DIMENSIONS 6 AND C APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.08 AND 0.15 FROM THE TIP. 6.
- DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08 TOTAL IN EXCESS OF DIMENSION 6 AT MAXIMUM MATERIAL CONDITION. THE DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OF THE FOOT.

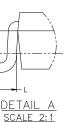


6X 0.30 -

TOP VIEW







GENERIC MARKING DIAGRAM*



DIM	MIN.	NOM.	MAX.		
Α			1.10		
A1	0.00		0.10		
A2	0.70	0.90	1.00		
b	0.15	0.20	0.25		
С	0.08	0.15	0.22		
D		2.00 BSC	;		
E	2.10 BSC				
E1		1.25 BSC	;		
е		0.65 BSC	>		
L	0.26	0.36	0.46		
L2		0.15 BSC			
aaa	0.15				
bbb	0.30				
ccc	0.10				
ddd		0.10			

MILLIMETERS

RECOMMENDED MOUNTING FOOTPRINT*

6X 0.66

2.50

FOR ADDITIONAL INFORMATION ON OUR Pb-FREE STRATEGY AND SOLDERING DETAILS, PLEASE DOWNLOAD THE ONSEMI SOLDERING AND MOUNTING TECHNIQUES REFERENCE MANUAL, SOLDERRM/D.

XXX = Specific Device Code

= Date Code*

= Pb-Free Package

(Note: Microdot may be in either location)

- *Date Code orientation and/or position may vary depending upon manufacturing 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.

STYLES ON PAGE 2

DOCUMENT NUMBER:	98ASB42985B	Electronic versions are uncontrolled except when accessed directly from the Document Repos Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.			
DESCRIPTION:	SC-88 2.00x1.25x0.90, 0.65	5P	PAGE 1 OF 4		

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.

SC-88 2.00x1.25x0.90, 0.65P CASE 419B-02 ISSUE Z

DATE 18 APR 2024

STYLE 1: PIN 1. EMITTER 2 2. BASE 2 3. COLLECTOR 1 4. EMITTER 1 5. BASE 1 6. COLLECTOR 2	STYLE 2: CANCELLED	STYLE 3: CANCELLED	STYLE 4: PIN 1. CATHODE 2. CATHODE 3. COLLECTOR 4. EMITTER 5. BASE 6. ANODE	STYLE 5: PIN 1. ANODE 2. ANODE 3. COLLECTOR 4. EMITTER 5. BASE 6. CATHODE	STYLE 6: PIN 1. ANODE 2 2. N/C 3. CATHODE 1 4. ANODE 1 5. N/C 6. CATHODE 2
STYLE 7: PIN 1. SOURCE 2 2. DRAIN 2 3. GATE 1 4. SOURCE 1 5. DRAIN 1 6. GATE 2	STYLE 8: CANCELLED	STYLE 9: PIN 1. EMITTER 2 2. EMITTER 1 3. COLLECTOR 1 4. BASE 1 5. BASE 2 6. COLLECTOR 2	STYLE 10: PIN 1. SOURCE 2 2. SOURCE 1 3. GATE 1 4. DRAIN 1 5. DRAIN 2 6. GATE 2	STYLE 11: PIN 1. CATHODE 2 2. CATHODE 2 3. ANODE 1 4. CATHODE 1 5. CATHODE 1 6. ANODE 2	STYLE 12: PIN 1. ANODE 2 2. ANODE 2 3. CATHODE 1 4. ANODE 1 5. ANODE 1 6. CATHODE 2
STYLE 13: PIN 1. ANODE 2. N/C 3. COLLECTOR 4. EMITTER 5. BASE 6. CATHODE	STYLE 14: PIN 1. VREF 2. GND 3. GND 4. IOUT 5. VEN 6. VCC	STYLE 15: PIN 1. ANODE 1 2. ANODE 2 3. ANODE 3 4. CATHODE 3 5. CATHODE 2 6. CATHODE 1	STYLE 16: PIN 1. BASE 1 2. EMITTER 2 3. COLLECTOR 2 4. BASE 2 5. EMITTER 1 6. COLLECTOR 1	STYLE 17: PIN 1. BASE 1 2. EMITTER 1 3. COLLECTOR 2 4. BASE 2 5. EMITTER 2 6. COLLECTOR 1	STYLE 18: PIN 1. VIN1 2. VCC 3. VOUT2 4. VIN2 5. GND 6. VOUT1
STYLE 19: PIN 1. I OUT 2. GND 3. GND 4. V CC 5. V EN 6. V REF	STYLE 20: PIN 1. COLLECTOR 2. COLLECTOR 3. BASE 4. EMITTER 5. COLLECTOR 6. COLLECTOR	STYLE 21: PIN 1. ANODE 1 2. N/C 3. ANODE 2 4. CATHODE 2 5. N/C 6. CATHODE 1	STYLE 22: PIN 1. D1 (i) 2. GND 3. D2 (i) 4. D2 (c) 5. VBUS 6. D1 (c)	STYLE 23: PIN 1. Vn 2. CH1 3. Vp 4. N/C 5. CH2 6. N/C	STYLE 24: PIN 1. CATHODE 2. ANODE 3. CATHODE 4. CATHODE 5. CATHODE 6. CATHODE
STYLE 25: PIN 1. BASE 1 2. CATHODE 3. COLLECTOR 2 4. BASE 2 5. EMITTER 6. COLLECTOR 1	STYLE 26: PIN 1. SOURCE 1 2. GATE 1 3. DRAIN 2 4. SOURCE 2 5. GATE 2 6. DRAIN 1	STYLE 27: PIN 1. BASE 2 2. BASE 1 3. COLLECTOR 1 4. EMITTER 1 5. EMITTER 2 6. COLLECTOR 2	STYLE 28: PIN 1. DRAIN 2. DRAIN 3. GATE 4. SOURCE 5. DRAIN 6. DRAIN	STYLE 29: PIN 1. ANODE 2. ANODE 3. COLLECTOR 4. EMITTER 5. BASE/ANODE 6. CATHODE	STYLE 30: PIN 1. SOURCE 1 2. DRAIN 2 3. DRAIN 2 4. SOURCE 2 5. GATE 1 6. DRAIN 1

Note: Please refer to datasheet for style callout. If style type is not called out in the datasheet refer to the device datasheet pinout or pin assignment.

DOCUMENT NUMBER:	98ASB42985B	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.	
DESCRIPTION:	SC-88 2.00x1.25x0.90, 0.65P		PAGE 2 OF 4

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