

FEATURES

- Operates From 1.65 V to 3.6 V
- Specified From -40°C to 85°C and From -40°C to 125°C
- Inputs Accept Voltages to 5.5 V
- Max t_{pd} of 4.7 ns at 3.3 V
- Typical V_{OLP} (Output Ground Bounce) $< 0.8\text{ V}$ at $V_{CC} = 3.3\text{ V}$, $T_A = 25^{\circ}\text{C}$
- Typical V_{OHV} (Output V_{OH} Undershoot) $> 2\text{ V}$ at $V_{CC} = 3.3\text{ V}$, $T_A = 25^{\circ}\text{C}$
- Latch-Up Performance Exceeds 250 mA Per JESD 17
- ESD Protection Exceeds JESD 22
 - 2000-V Human-Body Model (A114-A)
 - 200-V Machine Model (A115-A)

DESCRIPTION/ORDERING INFORMATION

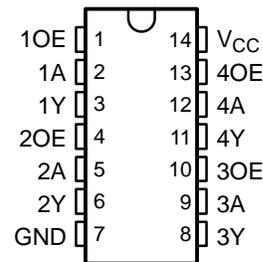
This quadruple bus buffer gate is designed for 1.65-V to 3.6-V V_{CC} operation.

The SN74LVC126A features independent line drivers with 3-state outputs. Each output is disabled when the associated output-enable (OE) input is low.

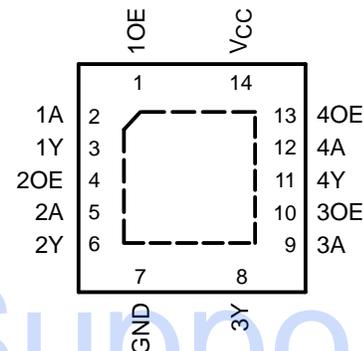
To ensure the high-impedance state during power up or power down, OE should be tied to GND through a pulldown resistor; the minimum value of the resistor is determined by the current-sourcing capability of the driver.

Inputs can be driven from either 3.3-V or 5-V devices. This feature allows the use of this device as a translator in a mixed 3.3-V/5-V system environment.

D, DB, DGV, NS, OR PW PACKAGE
(TOP VIEW)



RGY PACKAGE
(TOP VIEW)



ORDERING INFORMATION

T_A	PACKAGE ⁽¹⁾		ORDERABLE PART NUMBER	TOP-SIDE MARKING
-40°C to 85°C	QFN – RGY	Reel of 1000	SN74LVC126ARGYR	LC126A
-40°C to 125°C	SOIC – D	Tube of 50	SN74LVC126AD	LVC126A
		Reel of 2500	SN74LVC126ADR	
		Reel of 250	SN74LVC126ADT	
	SOP – NS	Reel of 2000	SN74LVC126ANSR	LVC126A
	SSOP – DB	Reel of 2000	SN74LVC126ADBR	LC126A
	TSSOP – PW	Tube of 90	SN74LVC126APW	LC126A
		Reel of 2000	SN74LVC126APWR	
Reel of 250		SN74LVC126APWT		
TVSOP – DGV	Reel of 2000	SN74LVC126ADGVR	LC126A	

(1) Package drawings, standard packing quantities, thermal data, symbolization, and PCB design guidelines are available at www.ti.com/sc/package.



Please be aware that an important notice concerning availability, standard warranty, and use in critical applications of Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.

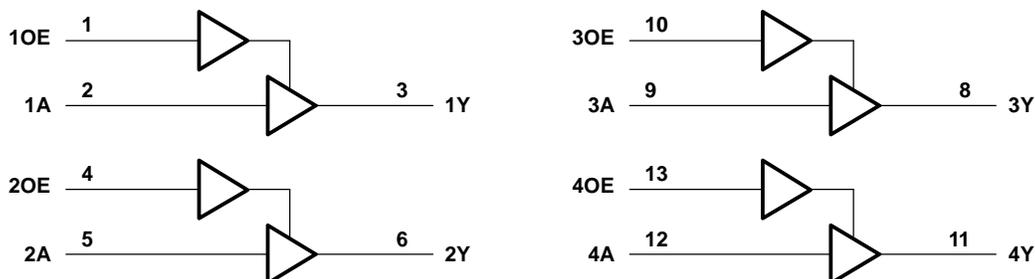
SN74LVC126A QUADRUPLE BUS BUFFER GATE WITH 3-STATE OUTPUTS

SCAS339Q—MARCH 1994—REVISED JULY 2005

**FUNCTION TABLE
(EACH BUFFER)**

INPUTS		OUTPUT Y
OE	A	
H	H	H
H	L	L
L	X	Z

LOGIC DIAGRAM (POSITIVE LOGIC)



Absolute Maximum Ratings⁽¹⁾

over operating free-air temperature range (unless otherwise noted)

		MIN	MAX	UNIT
V_{CC}	Supply voltage range	-0.5	6.5	V
V_I	Input voltage range ⁽²⁾	-0.5	6.5	V
V_O	Output voltage range ⁽²⁾⁽³⁾	-0.5	$V_{CC} + 0.5$	V
I_{IK}	Input clamp current		$V_I < 0$	-50 mA
I_{OK}	Output clamp current		$V_O < 0$	-50 mA
I_O	Continuous output current		±50	mA
	Continuous current through V_{CC} or GND		±100	mA
θ_{JA}	Package thermal impedance		D package ⁽⁴⁾	86
			DB package ⁽⁴⁾	96
			DGV package ⁽⁴⁾	127
			NS package ⁽⁴⁾	76
			PW package ⁽⁴⁾	113
			RGY package ⁽⁵⁾	47
T_{stg}	Storage temperature range	-65	150	°C
P_{tot}	Power dissipation		$T_A = -40^\circ\text{C}$ to 125°C ⁽⁶⁾⁽⁷⁾	500 mW

- (1) Stresses beyond those listed under "absolute maximum ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.
- (2) The input and output negative-voltage ratings may be exceeded if the input and output current ratings are observed.
- (3) The value of V_{CC} is provided in the recommended operating conditions table.
- (4) The package thermal impedance is calculated in accordance with JESD 51-7.
- (5) The package thermal impedance is calculated in accordance with JESD 51-5.
- (6) For the D package: above 70°C, the value of P_{tot} derates linearly with 8 mW/K.
- (7) For the DB, NS, and PW packages: above 60°C, the value of P_{tot} derates linearly with 5.5 mW/K.

Recommended Operating Conditions⁽¹⁾

			T _A = 25°C		-40 TO 85°C		-40 TO 125°C		UNIT
			MIN	MAX	MIN	MAX	MIN	MAX	
V _{CC}	Supply voltage	Operating	1.65	3.6	1.65	3.6	1.65	3.6	V
		Data retention only	1.5		1.5		1.5		
V _{IH}	High-level input voltage	V _{CC} = 1.65 V to 1.95 V	0.65 × V _{CC}		0.65 × V _{CC}		0.65 × V _{CC}		V
		V _{CC} = 2.3 V to 2.7 V	1.7		1.7		1.7		
		V _{CC} = 2.7 V to 3.6 V	2		2		2		
V _{IL}	Low-level input voltage	V _{CC} = 1.65 V to 1.95 V	0.35 × V _{CC}		0.35 × V _{CC}		0.35 × V _{CC}		V
		V _{CC} = 2.3 V to 2.7 V	0.7		0.7		0.7		
		V _{CC} = 2.7 V to 3.6 V	0.8		0.8		0.8		
V _I	Input voltage	0	5.5	0	5.5	0	5.5	V	
V _O	Output voltage	0	V _{CC}	0	V _{CC}	0	V _{CC}	V	
I _{OH}	High-level output current	V _{CC} = 1.65 V	-4		-4		-4		mA
		V _{CC} = 2.3 V	-8		-8		-8		
		V _{CC} = 2.7 V	-12		-12		-12		
		V _{CC} = 3 V	-24		-24		-24		
I _{OL}	Low-level output current	V _{CC} = 1.65 V	4		4		4		mA
		V _{CC} = 2.3 V	8		8		8		
		V _{CC} = 2.7 V	12		12		12		
		V _{CC} = 3 V	24		24		24		
Δt/Δv	Input transition rise or fall rate		10		10		10	ns/V	

(1) All unused inputs of the device must be held at V_{CC} or GND to ensure proper device operation. Refer to the TI application report, *Implications of Slow or Floating CMOS Inputs*, literature number SCBA004.

Electrical Characteristics

over recommended operating free-air temperature range (unless otherwise noted)

PARAMETER	TEST CONDITIONS	V _{CC}	T _A = 25°C			-40 TO 85°C		-40 TO 125°C		UNIT
			MIN	TYP	MAX	MIN	MAX	MIN	MAX	
V _{OH}	I _{OH} = -100 μA	1.65 V to 3.6 V	V _{CC} - 0.2			V _{CC} - 0.2		V _{CC} - 0.3		V
	I _{OH} = -4 mA	1.65 V	1.29			1.2		1.05		
	I _{OH} = -8 mA	2.3 V	1.9			1.7		1.55		
	I _{OH} = -12 mA	2.7 V	2.2			2.2		2.05		
		3 V	2.4			2.4		2.25		
V _{OL}	I _{OL} = 100 μA	1.65 V to 3.6 V	0.1			0.2		0.3		V
	I _{OL} = 4 mA	1.65 V	0.24			0.45		0.6		
	I _{OL} = 8 mA	2.3 V	0.3			0.7		0.75		
	I _{OL} = 12 mA	2.7 V	0.4			0.4		0.6		
	I _{OL} = 24 mA	3 V	0.55			0.55		0.8		
I _I	V _I = 5.5 V or GND	3.6 V	±1			±5		±20		μA
I _{OZ}	V _O = V _{CC} or GND	3.6 V	±1			±10		±20		μA
I _{CC}	V _I = V _{CC} or GND, I _O = 0	3.6 V	1			10		40		μA
ΔI _{CC}	One input at V _{CC} - 0.6 V, Other inputs at V _{CC} or GND	2.7 V to 3.6 V	500			500		5000		μA
C _i	V _I = V _{CC} or GND	3.3 V	4.5							pF
C _o	V _O = V _{CC} or GND	3.3 V	7							pF

SN74LVC126A QUADRUPLE BUS BUFFER GATE WITH 3-STATE OUTPUTS

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Switching Characteristics

over recommended operating free-air temperature range (unless otherwise noted) (see [Figure 1](#))

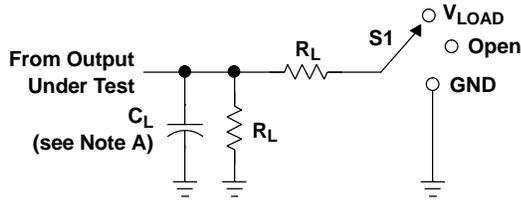
PARAMETER	FROM (INPUT)	TO (OUTPUT)	V _{CC}	T _A = 25°C			-40 TO 85°C		-40 TO 125°C		UNIT
				MIN	TYP	MAX	MIN	MAX	MIN	MAX	
t _{pd}	A	Y	1.8 V ± 0.15 V	1	4.2	9.3	1	9.8	1	11.3	ns
			2.5 V ± 0.2 V	1	2.7	6.7	1	7.2	1	9.3	
			2.7 V	1	2.9	5	1	5.2	1	6.5	
			3.3 V ± 0.3 V	1	2.5	4.5	1	4.7	1	6	
t _{en}	OE	Y	1.8 V ± 0.15 V	1	4.8	9.5	1	10	1	11.5	ns
			2.5 V ± 0.2 V	1	2.8	7.8	1	8.3	1	10.4	
			2.7 V	1	3.1	6.1	1	6.3	1	8	
			3.3 V ± 0.3 V	1	2.5	5.5	1	5.7	1	7.5	
t _{dis}	OE	Y	1.8 V ± 0.15 V	1	4.4	12.1	1	12.6	1	14.1	ns
			2.5 V ± 0.2 V	1	2.7	8.2	1	8.7	1	10.8	
			2.7 V	1	2.7	6.5	1	6.7	1	8.5	
			3.3 V ± 0.3 V	1.3	2.3	5.8	1.3	6	1.3	7.5	
t _{sk(o)}			3.3 V ± 0.3 V					1	1.5	ns	

Operating Characteristics

T_A = 25°C

PARAMETER		TEST CONDITIONS	V _{CC}	TYP	UNIT		
C _{pd}	Power dissipation capacitance per gate	f = 10 MHz		20	pF		
				Outputs enabled		1.8 V	21
						2.5 V	22
				Outputs disabled		1.8 V	2
						2.5 V	3
						3.3 V	4

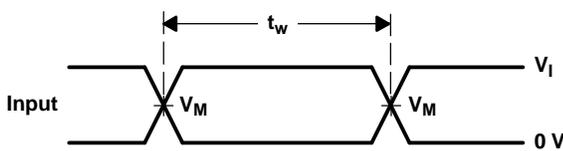
PARAMETER MEASUREMENT INFORMATION



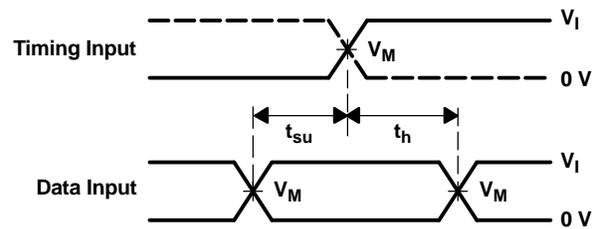
LOAD CIRCUIT

TEST	S1
t_{PLH}/t_{PHL}	Open
t_{PLZ}/t_{PZL}	V_{LOAD}
t_{PHZ}/t_{PZH}	GND

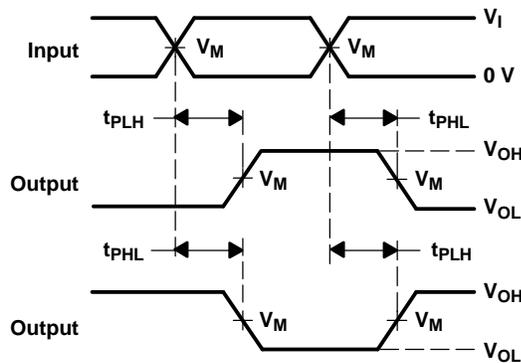
V_{CC}	INPUTS		V_M	V_{LOAD}	C_L	R_L	V_{Δ}
	V_I	t_r/t_f					
$1.8\text{ V} \pm 0.15\text{ V}$	V_{CC}	$\leq 2\text{ ns}$	$V_{CC}/2$	$2 \times V_{CC}$	30 pF	1 k Ω	0.15 V
$2.5\text{ V} \pm 0.2\text{ V}$	V_{CC}	$\leq 2\text{ ns}$	$V_{CC}/2$	$2 \times V_{CC}$	30 pF	500 Ω	0.15 V
2.7 V	2.7 V	$\leq 2.5\text{ ns}$	1.5 V	6 V	50 pF	500 Ω	0.3 V
$3.3\text{ V} \pm 0.3\text{ V}$	2.7 V	$\leq 2.5\text{ ns}$	1.5 V	6 V	50 pF	500 Ω	0.3 V



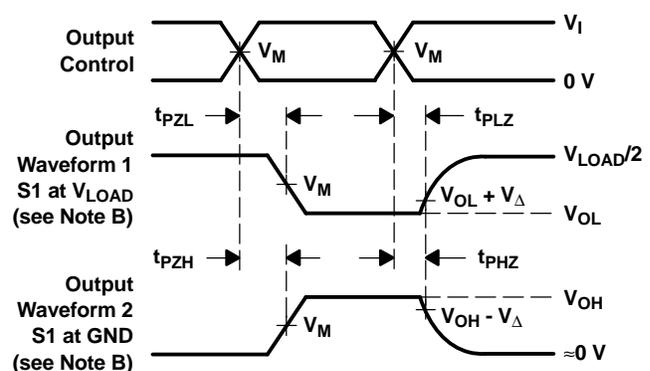
VOLTAGE WAVEFORMS
PULSE DURATION



VOLTAGE WAVEFORMS
SETUP AND HOLD TIMES



VOLTAGE WAVEFORMS
PROPAGATION DELAY TIMES
INVERTING AND NONINVERTING OUTPUTS



VOLTAGE WAVEFORMS
ENABLE AND DISABLE TIMES
LOW- AND HIGH-LEVEL ENABLING

- NOTES:
- C_L includes probe and jig capacitance.
 - Waveform 1 is for an output with internal conditions such that the output is low, except when disabled by the output control. Waveform 2 is for an output with internal conditions such that the output is high, except when disabled by the output control.
 - All input pulses are supplied by generators having the following characteristics: $PRR \leq 10\text{ MHz}$, $Z_O = 50\ \Omega$.
 - The outputs are measured one at a time, with one transition per measurement.
 - t_{PLZ} and t_{PHZ} are the same as t_{dis} .
 - t_{PZL} and t_{PZH} are the same as t_{en} .
 - t_{PLH} and t_{PHL} are the same as t_{pd} .
 - All parameters and waveforms are not applicable to all devices.

Figure 1. Load Circuit and Voltage Waveforms

PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan ⁽²⁾	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
SN74LVC126AD	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ADBLE	OBSOLETE	SSOP	DB	14		TBD	Call TI	Call TI
SN74LVC126ADBR	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ADBRE4	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ADE4	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ADGVR	ACTIVE	TVSOP	DGV	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ADGVRE4	ACTIVE	TVSOP	DGV	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ADR	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ADRE4	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ADT	ACTIVE	SOIC	D	14	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ADTE4	ACTIVE	SOIC	D	14	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ANSR	ACTIVE	SO	NS	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ANSRE4	ACTIVE	SO	NS	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126APW	ACTIVE	TSSOP	PW	14	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126APWG4	ACTIVE	TSSOP	PW	14	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126APWLE	OBSOLETE	TSSOP	PW	14		TBD	Call TI	Call TI
SN74LVC126APWR	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126APWRG4	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126APWT	ACTIVE	TSSOP	PW	14	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126APWTE4	ACTIVE	TSSOP	PW	14	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LVC126ARGYR	ACTIVE	QFN	RGY	14	1000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1YEAR

⁽¹⁾ The marketing status values are defined as follows:

ACTIVE: Product device recommended for new designs.

LIFEBUY: TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.

NRND: Not recommended for new designs. Device is in production to support existing customers, but TI does not recommend using this part in a new design.

PREVIEW: Device has been announced but is not in production. Samples may or may not be available.

OBSOLETE: TI has discontinued the production of the device.

⁽²⁾ Eco Plan - The planned eco-friendly classification: Pb-Free (RoHS) or Green (RoHS & no Sb/Br) - please check <http://www.ti.com/productcontent> for the latest availability information and additional product content details.

TBD: The Pb-Free/Green conversion plan has not been defined.

Pb-Free (RoHS): TI's terms "Lead-Free" or "Pb-Free" mean semiconductor products that are compatible with the current RoHS requirements for all 6 substances, including the requirement that lead not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, TI Pb-Free products are suitable for use in specified lead-free processes.

Green (RoHS & no Sb/Br): TI defines "Green" to mean Pb-Free (RoHS compatible), and free of Bromine (Br) and Antimony (Sb) based flame retardants (Br or Sb do not exceed 0.1% by weight in homogeneous material)

⁽³⁾ MSL, Peak Temp. -- The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

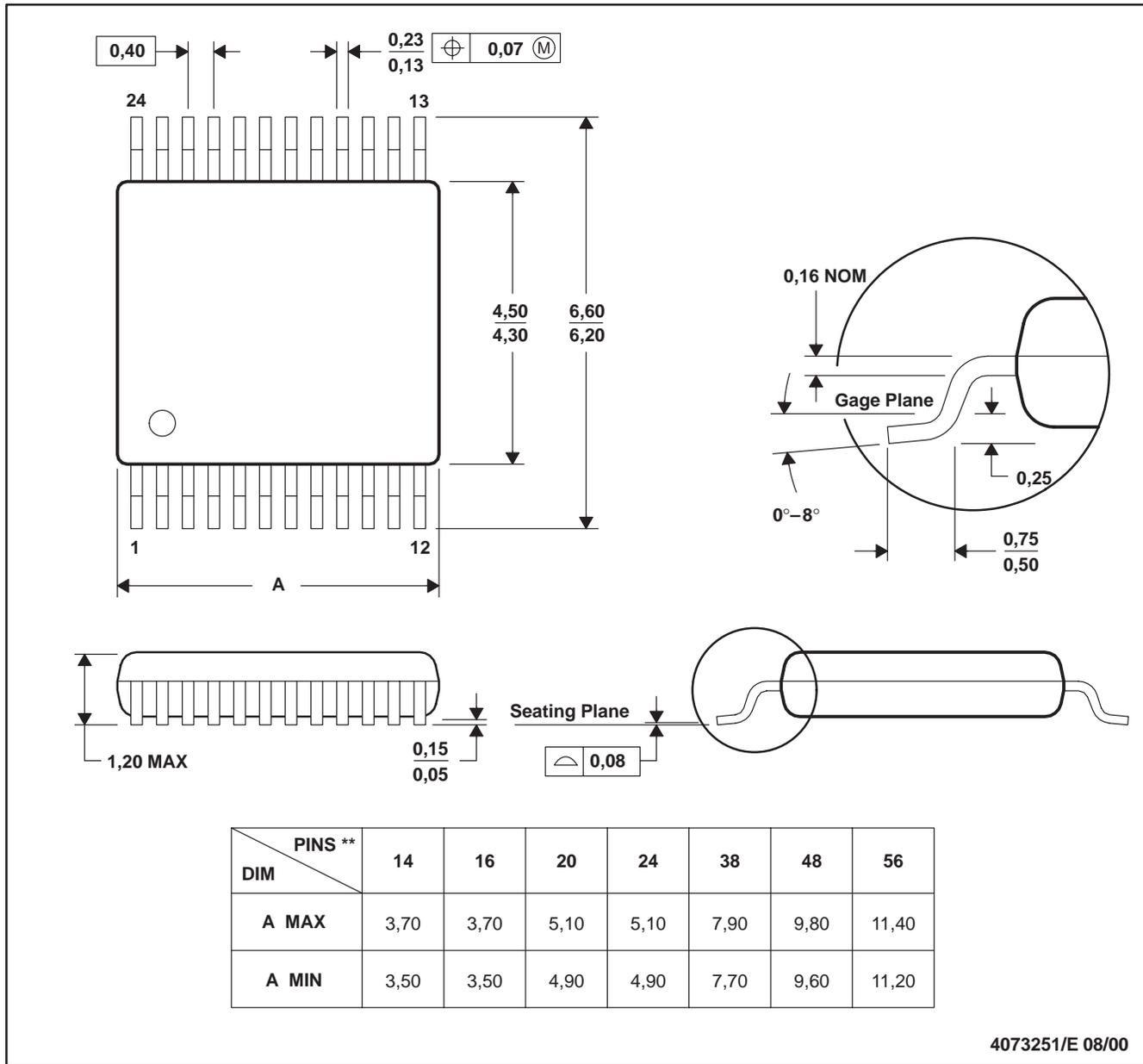
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DGV (R-PDSO-G**)

PLASTIC SMALL-OUTLINE

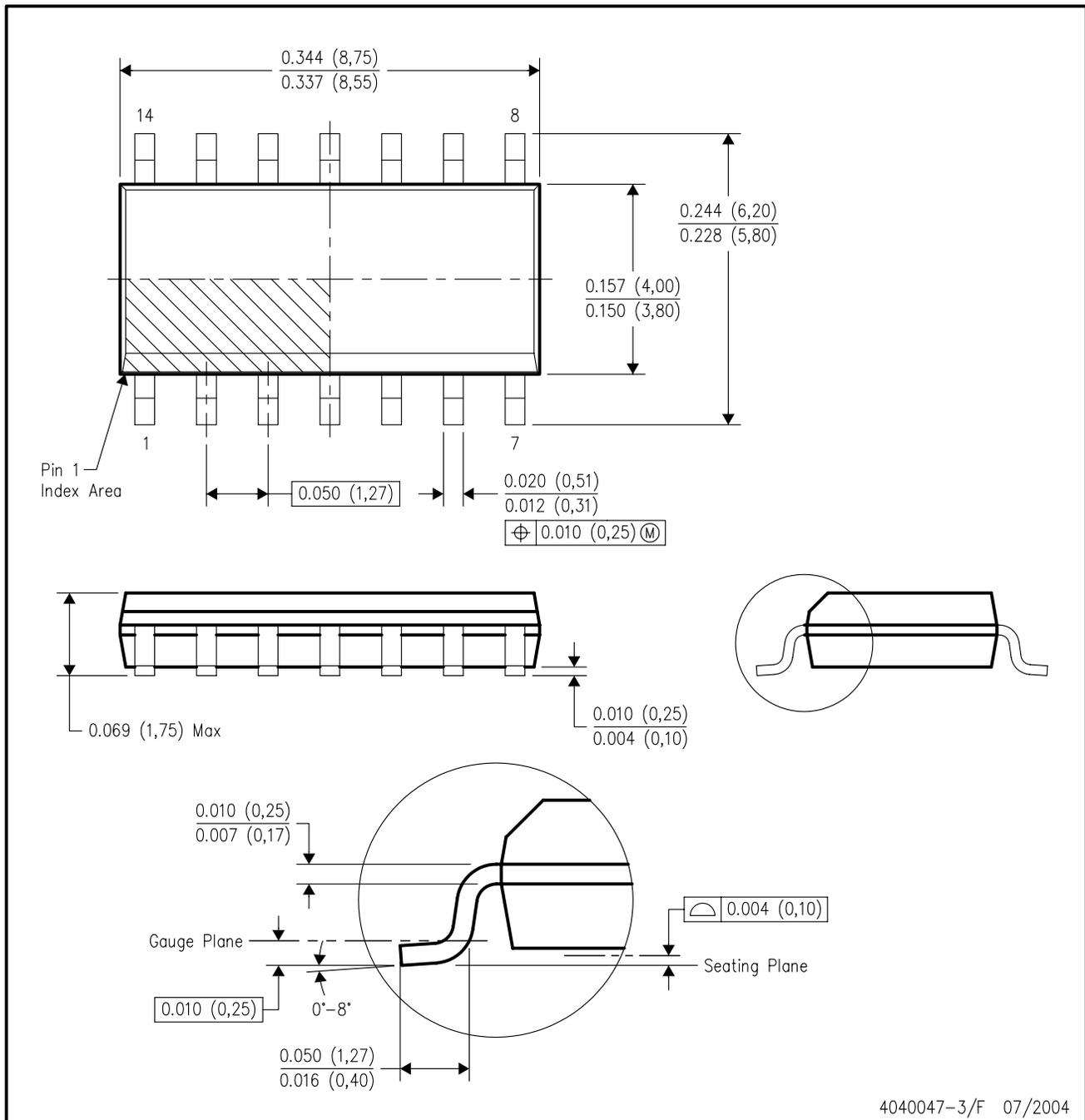
24 PINS SHOWN



- NOTES: A. All linear dimensions are in millimeters.
 B. This drawing is subject to change without notice.
 C. Body dimensions do not include mold flash or protrusion, not to exceed 0,15 per side.
 D. Falls within JEDEC: 24/48 Pins – MO-153
 14/16/20/56 Pins – MO-194

D (R-PDSO-G14)

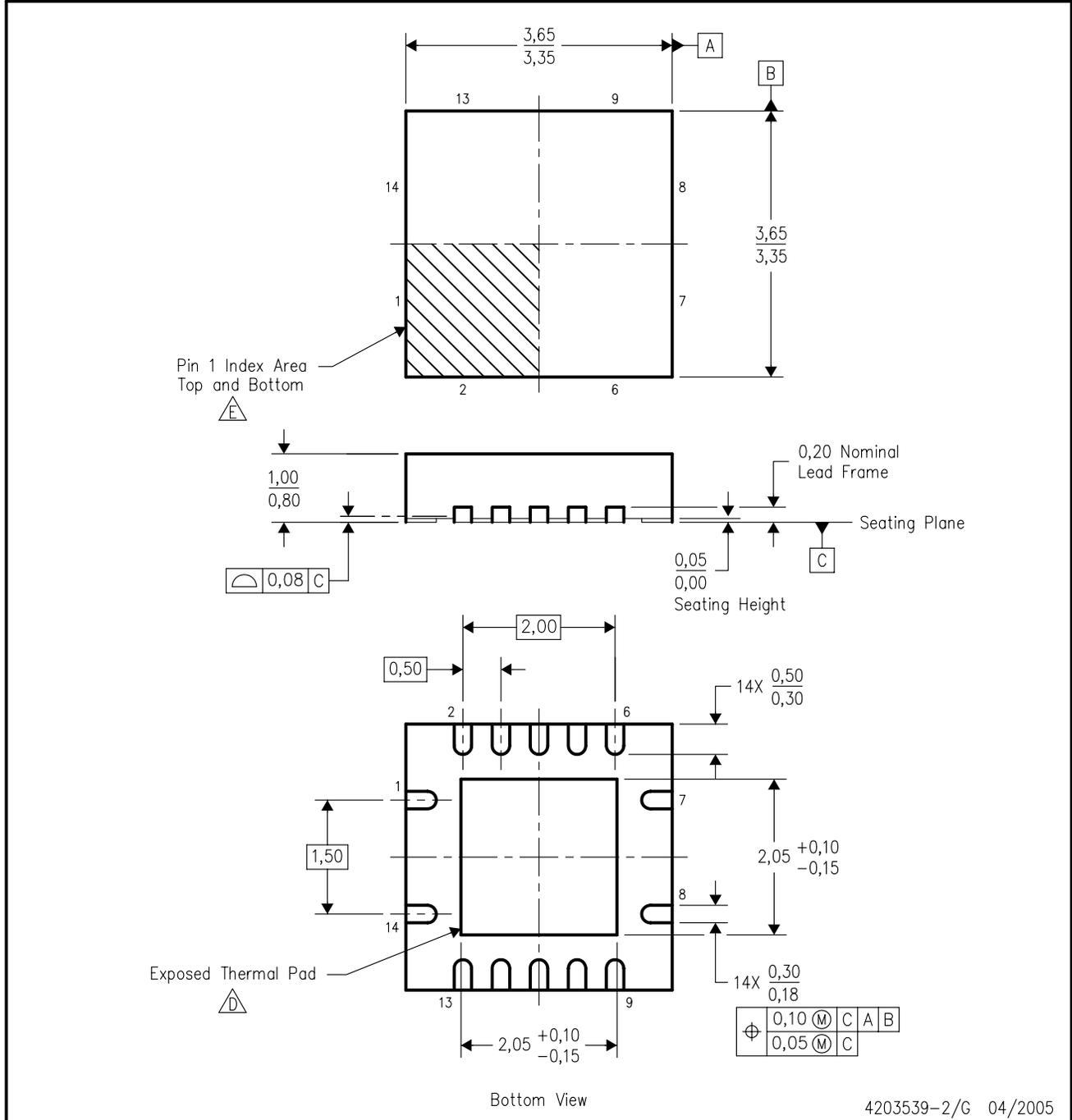
PLASTIC SMALL-OUTLINE PACKAGE



- NOTES:
- A. All linear dimensions are in inches (millimeters).
 - B. This drawing is subject to change without notice.
 - C. Body dimensions do not include mold flash or protrusion not to exceed 0.006 (0,15).
 - D. Falls within JEDEC MS-012 variation AB.

RGY (S-PQFP-N14)

PLASTIC QUAD FLATPACK



4203539-2/G 04/2005

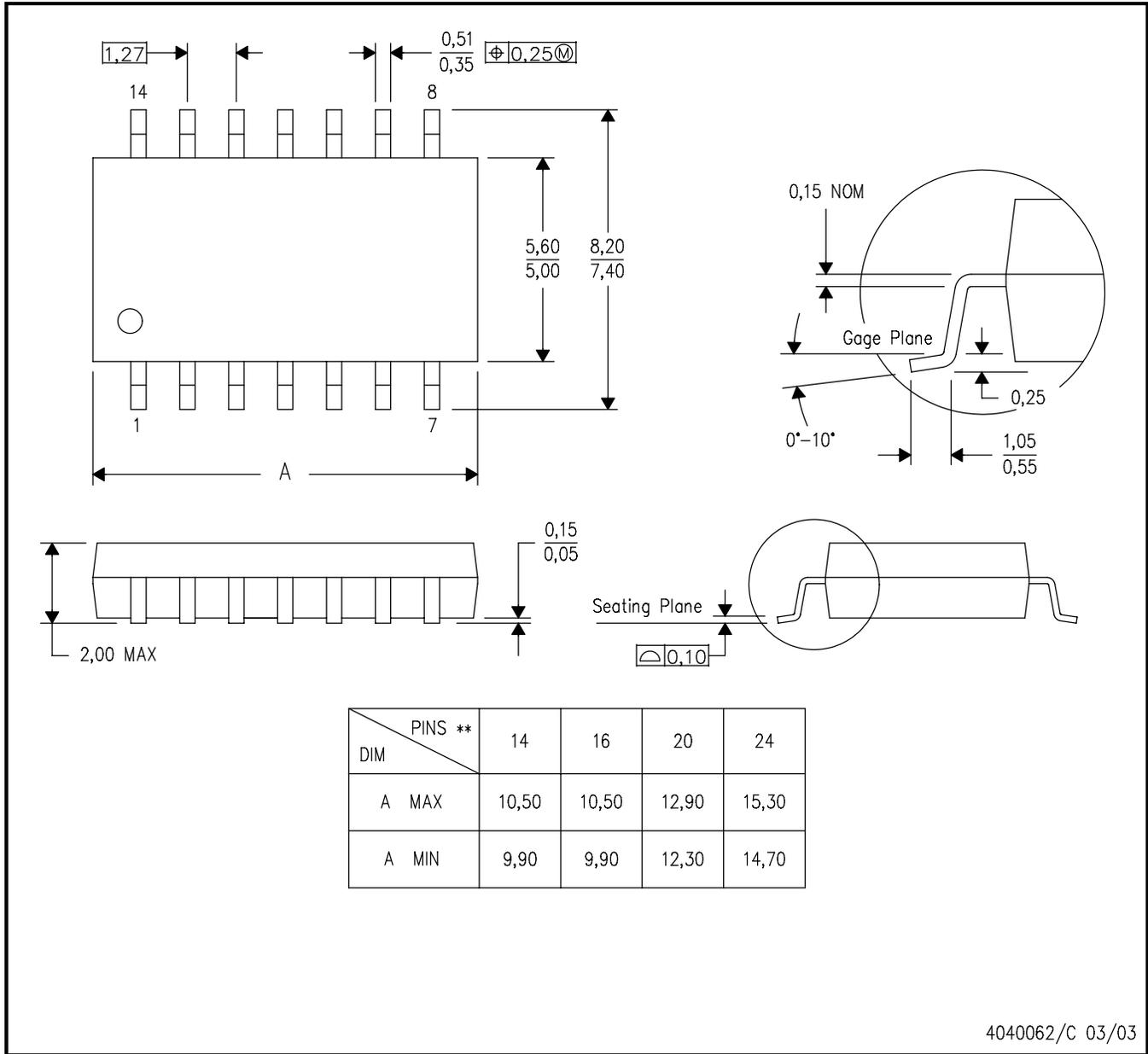
- NOTES:
- A. All linear dimensions are in millimeters. Dimensioning and tolerancing per ASME Y14.5M-1994.
 - B. This drawing is subject to change without notice.
 - C. QFN (Quad Flatpack No-Lead) package configuration.
 - The package thermal pad must be soldered to the board for thermal and mechanical performance.
 - Pin 1 identifiers are located on both top and bottom of the package and within the zone indicated. The Pin 1 identifiers are either a molded, marked, or metal feature.
 - F. Package complies to JEDEC MO-241 variation BA.

MECHANICAL DATA

NS (R-PDSO-G**)

PLASTIC SMALL-OUTLINE PACKAGE

14-PINS SHOWN

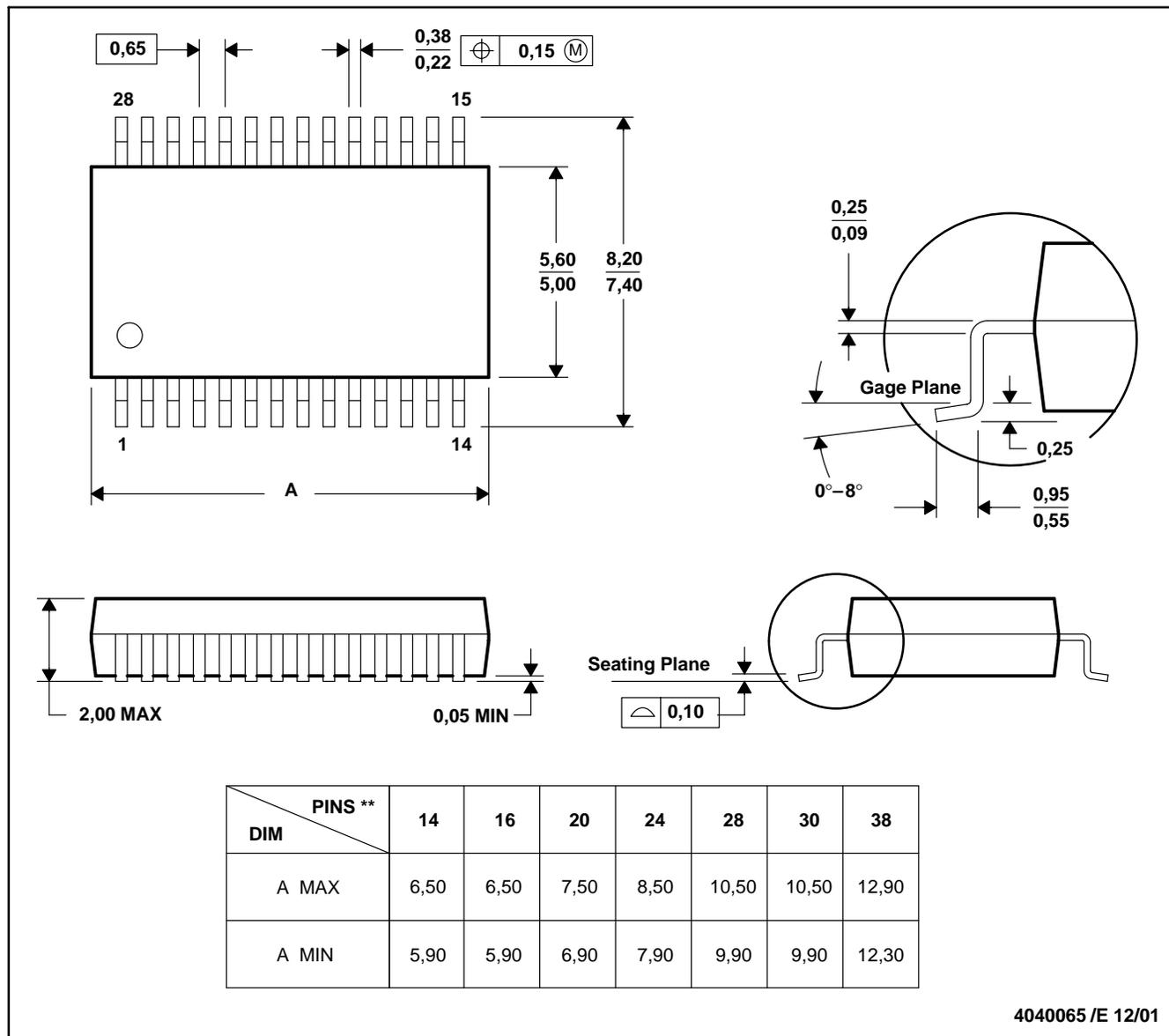


- NOTES:
- A. All linear dimensions are in millimeters.
 - B. This drawing is subject to change without notice.
 - C. Body dimensions do not include mold flash or protrusion, not to exceed 0,15.

DB (R-PDSO-G**)

PLASTIC SMALL-OUTLINE

28 PINS SHOWN



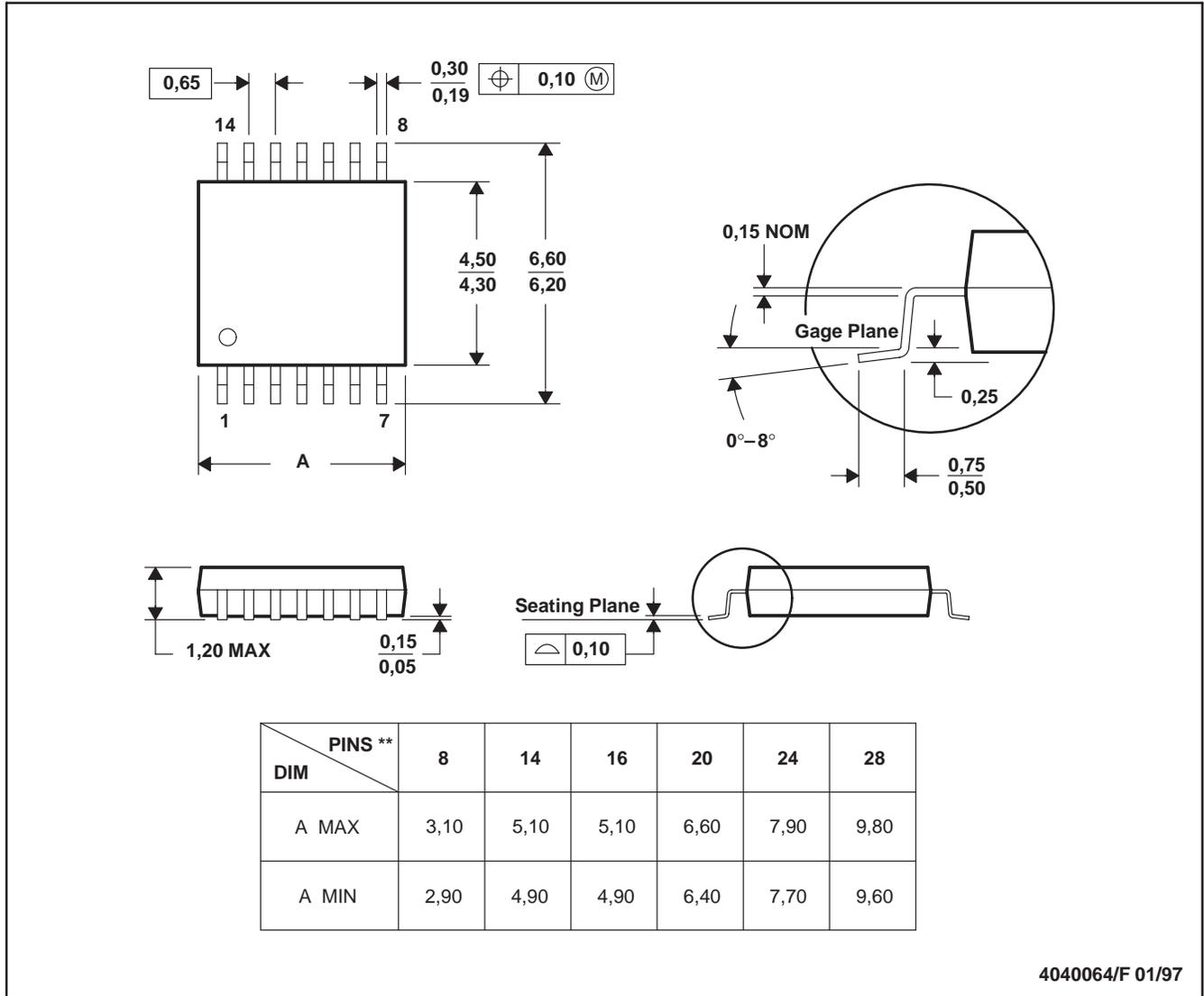
4040065 /E 12/01

- NOTES: A. All linear dimensions are in millimeters.
 B. This drawing is subject to change without notice.
 C. Body dimensions do not include mold flash or protrusion not to exceed 0,15.
 D. Falls within JEDEC MO-150

PW (R-PDSO-G**)

PLASTIC SMALL-OUTLINE PACKAGE

14 PINS SHOWN



4040064/F 01/97

- NOTES: A. All linear dimensions are in millimeters.
 B. This drawing is subject to change without notice.
 C. Body dimensions do not include mold flash or protrusion not to exceed 0,15.
 D. Falls within JEDEC MO-153

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SN74LVC126A, Status: ACTIVE

Quadruple Bus Buffer Gate With 3-State Outputs



clear gif

<input type="checkbox"/> Features	<input type="checkbox"/> Samples	<input type="checkbox"/> Technical Documents
<input type="checkbox"/> Quality & Pb-Free Data	<input type="checkbox"/> Pricing/Packaging	<input type="checkbox"/> Applications Notes
<input type="checkbox"/> Related Products	<input type="checkbox"/> Inventory	<input type="checkbox"/> Simulation Models
<input type="checkbox"/> Tools & Software	<input type="checkbox"/> Symbols/Footprints	<input type="checkbox"/> Reference Designs



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Datasheet



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SN74LVC126A (Rev. Q) (sn74lvc126a.pdf, 370 KB)
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	SN74LVC126A
Voltage Nodes(V)	3.3, 2.7, 2.5, 1.8
Vcc range(V)	2.0 to 3.6
Logic	True
Input Level	TTL/CMOS
Output Level	LVTTTL
Output Drive(mA)	-24/24
No. of Outputs	4
tpd max(ns)	4.7
Static Current	0.01
	Samples
	Inventory

Product Information

Features Save this to your personal library

Operates From 1.65 V to 3.6 V
Specified From -40°C to 85°C and From -40°C to 125°C
Inputs Accept Voltages to 5.5 V
Max t_{pd} of 4.7 ns at 3.3 V
Typical V_{OLP} (Output Ground Bounce) < 0.8 V at $V_{CC} = 3.3 V, T_A = 25^\circ C$
Typical V_{OHV} (Output V_{OH} Undershoot) > 2 V at $V_{CC} = 3.3 V, T_A = 25^\circ C$
Latch-Up Performance Exceeds 250 mA Per JESD 17
ESD Protection Exceeds JESD 22
 - 2000-V Human-Body Model (A114-A)
 - 200-V Machine Model (A115-A)

DESCRIPTION/ORDERING INFORMATION

This quadruple bus buffer gate is designed for 1.65-V to 3.6-V V_{CC} operation.

The SN74LVC126A features independent line drivers with 3-state outputs. Each output is disabled when the associated output-enable (OE) input is low.

To ensure the high-impedance state during power up or power down, OE should be tied to GND through a pulldown resistor; the minimum value of the resistor is determined by the current-sourcing capability of the driver.

Inputs can be driven from either 3.3-V or 5-V devices. This feature allows the use of this device as a translator in a mixed 3.3-V/5-V system environment.

Pricing/Packaging/CAD Design Tools/Samples

			Price	Packaging			CAD Design Tools	Samples
Device	Status	Temp (°C)	Budget Price (\$US) QTY	Industry Standard (TI Pkg) Pins	Top Side Marking	Standard Pack Quantity	Footprints	Samples
SN74LVC126AD	ACTIVE	-40 to 125	0.17 1KU	SOIC (D) 14	View	50	<input type="checkbox"/>	Purchase Samples
SN74LVC126ADBLE	OBSOLETE	-40 to 125		SSOP (DB) 14	View		<input type="checkbox"/>	Not Available
SN74LVC126ADBR	ACTIVE	-40 to 125	0.17 1KU	SSOP (DB) 14	View	2000	<input type="checkbox"/>	Contact TI Distributor or Sales Office
SN74LVC126ADBRE4	ACTIVE	-40 to 125	0.17 1KU	SSOP (DB) 14	View	2000	<input type="checkbox"/>	Request Free Samples
SN74LVC126ADE4	ACTIVE	-40 to 125	0.17 1KU	SOIC (D) 14	View	50	<input type="checkbox"/>	Purchase Samples
SN74LVC126ADGVR	ACTIVE	-40 to 125	0.29 1KU	TVSOP (DGV) 14		2000	<input type="checkbox"/>	Contact TI Distributor or Sales Office
SN74LVC126ADGVRE4	ACTIVE	-40 to 125	0.29 1KU	TVSOP (DGV) 14		2000	<input type="checkbox"/>	Request Free Samples
SN74LVC126ADR	ACTIVE	-40 to 125	0.17 1KU	SOIC (D) 14	View	2500	<input type="checkbox"/>	Contact TI Distributor or Sales Office
SN74LVC126ADRE4	ACTIVE	-40 to 125	0.17 1KU	SOIC (D) 14	View	2500	<input type="checkbox"/>	Request Free Samples
SN74LVC126ADT	ACTIVE	-40 to 125	0.29 1KU	SOIC (D) 14	View	250	<input type="checkbox"/>	Purchase Samples
SN74LVC126ADTE4	ACTIVE	-40 to 125	0.29 1KU	SOIC (D) 14	View	250	<input type="checkbox"/>	Purchase Samples
SN74LVC126ANSR	ACTIVE	-40 to 125	0.17 1KU	SO (NS) 14	View	2000	<input type="checkbox"/>	Contact TI Distributor or Sales Office
SN74LVC126ANSRE4	ACTIVE	-40 to 125	0.17 1KU	SO (NS) 14	View	2000	<input type="checkbox"/>	Purchase Samples
SN74LVC126APW	ACTIVE	-40 to 125	0.22 1KU	TSSOP (PW) 14	View	90	<input type="checkbox"/>	Purchase Samples
SN74LVC126APWG4	ACTIVE	-40 to 125	0.24 1KU	TSSOP (PW) 14	View	90	<input type="checkbox"/>	Purchase Samples
SN74LVC126APWLE	OBSOLETE	-40 to 125		TSSOP (PW) 14	View		<input type="checkbox"/>	Not Available
SN74LVC126APWR	ACTIVE	-40 to 125	0.24 1KU	TSSOP (PW) 14	View	2000	<input type="checkbox"/>	Contact TI Distributor or Sales Office
SN74LVC126APWRG4	ACTIVE	-40 to 125	0.28 1KU	TSSOP (PW) 14	View	2000	<input type="checkbox"/>	Purchase Samples
SN74LVC126APWT	ACTIVE	-40 to 125	0.34 1KU	TSSOP (PW) 14	View	250	<input type="checkbox"/>	Purchase Samples
SN74LVC126APWTE4	ACTIVE	-40 to 85	0.34 1KU	TSSOP (PW) 14	View	250	<input type="checkbox"/>	Purchase Samples
SN74LVC126ARGYR	ACTIVE	-40 to 125	0.36 1KU	QFN (RGY) 14	View	1000		Request Free Samples

Inventory

	TI Inventory Status			Reported Distributor Inventory			
SN74LVC126AD	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase

View all Distributors



	5300*	>10k 12 Dec	10 Weeks	Americas	Avnet	847	<input type="text"/>
				Asia	P&S	975	<input type="text"/>
				Europe	Abacus Polar	50	<input type="text"/>
					Arrow Southern Europe	873	<input type="text"/>
					Avnet-SILICA	>1k	<input type="text"/>
					EBV Elektronik	400	<input type="text"/>
					Rutronik	450	<input type="text"/>

SN74LVC126ADBR As of 9:07 AM GMT, 29 Nov 2005 As of 9:07 AM GMT, 29 Nov 2005

	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	1780 30 Nov	8 Weeks	Americas	DigiKey	317	<input type="text"/>
		6351 5 Dec		Europe	Arrow Northern Europe	>1k	<input type="text"/>
		>10k 20 Dec					

SN74LVC126ADBRE4 As of 9:07 AM GMT, 29 Nov 2005 As of 9:07 AM GMT, 29 Nov 2005

	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	1780 30 Nov	8 Weeks	None Reported View Distributors			
		6351 5 Dec					
		>10k 20 Dec					

SN74LVC126ADE4 As of 9:07 AM GMT, 29 Nov 2005 As of 9:07 AM GMT, 29 Nov 2005

	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	5300*	>10k 12 Dec	10 Weeks	None Reported View Distributors			

SN74LVC126ADGVR As of 9:07 AM GMT, 29 Nov 2005 As of 9:07 AM GMT, 29 Nov 2005

	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	4000 12 Dec	10 Weeks	Americas	DigiKey	886	<input type="text"/>
		900 29 Dec					
		699 5 Jan					
		651 26 Jan					
		>10k 9 Feb					

SN74LVC126ADGVRE4 As of 9:07 AM GMT, 29 Nov 2005 As of 9:07 AM GMT, 29 Nov 2005

	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	4000 12 Dec	10 Weeks	None Reported View Distributors			
		900 29 Dec					
		699 5 Jan					
		651 26 Jan					
		>10k 9 Feb					

SN74LVC126ADR As of 9:07 AM GMT, 29 Nov 2005 As of 9:07 AM GMT, 29 Nov 2005

	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	>10k 6 Mar	14 Weeks	Americas	Avnet	>1k	<input type="text"/>
					DigiKey	>1k	<input type="text"/>
SN74LVC126ADRE4	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	>10k 6 Mar	14 Weeks	None Reported View Distributors			
SN74LVC126ADT	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	>10k 6 Mar	14 Weeks	None Reported View Distributors			
SN74LVC126ADTE4	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	>10k 6 Mar	14 Weeks	None Reported View Distributors			
SN74LVC126ANSR	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	>10k 12 Dec	10 Weeks	Americas	DigiKey	>1k	<input type="text"/>
SN74LVC126ANSRE4	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	>10k 12 Dec	10 Weeks	None Reported View Distributors			
SN74LVC126APW	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	>10k 3 Apr	16 Weeks	Europe	Avnet-SILICA	630	<input type="text"/>
SN74LVC126APWG4	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	>10k 3 Apr	16 Weeks	None Reported View Distributors			
SN74LVC126APWR	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*		16 Weeks	None Reported View Distributors			
SN74LVC126APWRG4	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	1 27 Jan	16 Weeks	None Reported View Distributors			
		>10k 3 Apr					
SN74LVC126APWT	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase

	0*		16 Weeks	None Reported View Distributors			
SN74LVC126APWTE4	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*		16 Weeks	None Reported View Distributors			
SN74LVC126ARGYR	As of 9:07 AM GMT, 29 Nov 2005			As of 9:07 AM GMT, 29 Nov 2005			
	In Stock	In Progress QTY Date	Lead Time	Region	Company	In Stock	Purchase
	0*	>10k 12 Dec	8 Weeks	Americas	DigiKey	682	<input type="text"/>

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Quality & Lead (Pb)-Free Data

<input type="checkbox"/>	Product Content				MTBF/FIT Rate	
Device	Eco Plan*	Lead/Ball Finish	MSL Rating/Peak Reflow	Details	Details	
SN74LVC126AD <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ADBR <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ADBRE4 <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ADE4 <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ADGVR <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ADGVRE4 <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ADR <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ADRE4 <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ADT <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ADTE4 <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ANSR <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ANSRE4 <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126APW <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126APWG4 <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126APWR <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126APWRG4 <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126APWT <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126APWTE4 <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	View	View	
SN74LVC126ARGYR <input type="checkbox"/>	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1YEAR	View	View	

* The planned eco-friendly classification: Pb-Free (RoHS) or Green (RoHS & no Sb/Br) - please click on the Product Content Details "View" link in the table above for the latest availability information and additional product content details.

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Technical Documents

Datasheets

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Texas Instruments Little Logic Application Report (scea029.htm, 9 KB)

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TI IBIS File Creation, Validation, and Distribution Processes (szza034.htm, 9 KB)

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16-Bit Widebus Logic Families in 56-Ball, 0.65-mm Pitch Very Thin Fine-Pitch BGA (Rev. B) (szza029b.htm, 9 KB)

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Power-Up 3-State (PU3S) Circuits in TI Standard Logic Devices (szza033.htm, 9 KB)

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Selecting the Right Texas Instruments Signal Switch (szza030.htm, 9 KB)

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CMOS Power Consumption and CPD Calculation (Rev. B) (scaa035b.htm, 9 KB)

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User Guides

Signal Switch Data Book (Rev. A) (scdd003a.pdf, 19732 KB)

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LOGIC Pocket Data Book (scyd013.pdf, 4835 KB)

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Simulation Models

IBIS Model

IBIS Model of SN74LVC126A (Rev. B) (scem014b.ibs, 238 KB)

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More Literature

Logic Selection Guide 2005 (Rev. X) (sdyu001x.pdf, 6909 KB)

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Standard Linear & Logic for PCs, Servers & Motherboards (scy005.pdf, 3997 KB)

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