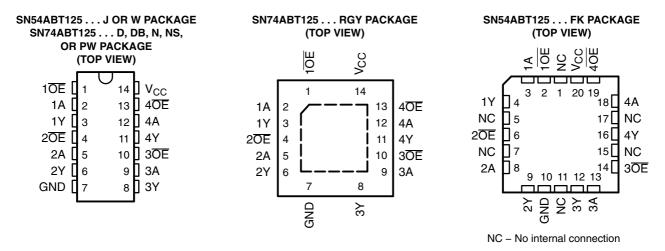
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- Typical V_{OLP} (Output Ground Bounce)
 <1 V at V_{CC} = 5 V, T_A = 25°C
- High-Drive Outputs (–32-mA I_{OH}, 64-mA I_{OL})
- I_{off} and Power-Up 3-State Support Hot Insertion
- Latch-Up Performance Exceeds 500 mA Per JEDEC Standard JESD-17
- ESD Protection Exceeds JESD 22
 2000-V Human-Body Model (A114-A)
 200 V Machine Model (A115 A)
 - 200-V Machine Model (A115-A)



description/ordering information

The 'ABT125 quadruple bus buffer gates feature independent line drivers with 3-state outputs. Each output is disabled when the associated output-enable (\overline{OE}) input is high.

These devices are fully specified for hot-insertion applications using I_{off} and power-up 3-state. The I_{off} circuitry disables the outputs, preventing damaging current backflow through the devices when they are powered down. The power-up 3-state circuitry places the outputs in the high-impedance state during power up and power down, which prevents driver conflict.

To ensure the high-impedance state during power up or power down, \overline{OE} should be tied to V_{CC} through a pullup resistor; the minimum value of the resistor is determined by the current-sinking capability of the driver.

T _A	PACK	AGE [†]	ORDERABLE PART NUMBER	TOP-SIDE MARKING						
	PDIP – N	Tube	SN74ABT125N	SN74ABT125N						
	QFN – RGY	Tape and reel	SN74ABT125RGYR	AB125						
–40°C to 85°C		Tube	SN74ABT125D							
	SOIC – D	Tape and reel	SN74ABT125DR	ABT125						
	SOP – NS	Tape and reel	SN74ABT125NSR	ABT125						
	SSOP – DB	Tape and reel	SN74ABT125DBR	AB125						
	TSSOP – PW	Tape and reel	SN74ABT125PWR	AB125						
	CDIP – J	Tube	SNJ54ABT125J	SNJ54ABT125J						
–55°C to 125°C	CFP – W	Tube	SNJ54ABT125W	SNJ54ABT125W						
	LCCC – FK Tube		SNJ54ABT125FK	SNJ54ABT125FK						

ORDERING INFORMATION

[†] Package drawings, standard packing quantities, thermal data, symbolization, and PCB design guidelines are available at www.ti.com/sc/package.

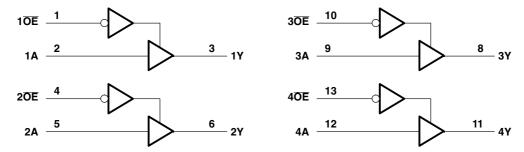


Please be aware that an important notice concerning availability, standard warranty, and use in critical applications of Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.

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FUNCTION TABLE (each buffer)							
INP	UTS	OUTPUT					
OE	Α	Y					
L	Н	Н					
L	L	L					
Н	Х	Z					

logic diagram (positive logic)



Pin numbers shown are for the D, DB, J, N, NS, PW, RGY, and W packages.

absolute maximum ratings over operating free-air temperature range (unless otherwise noted)[†]

Supply voltage range, V _{CC} Input voltage range, V _I (see Note 1) Voltage range applied to any output in the high or power-off state, V _O Current into any output in the low state, I _O : SN54ABT125	0.5 V to 7 V 0.5 V to 5.5 V
SN74ABT125	128 MA
Input clamp current, I_{IK} ($V_I < 0$)	–18 mA
Output clamp current, I _{OK} (V _O < 0)	–50 mA
Package thermal impedance, θ_{JA} (see Note 2): D package	
(see Note 2): DB package	96°C/W
(see Note 2): N package	80°C/W
(see Note 2): NS package	
(see Note 2): PW package	113°C/W
(see Note 3): RGY package	47°C/W
Storage temperature range, T _{stg}	

[†] 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.

NOTES: 1. The input and output negative-voltage ratings may be exceeded if the input and output clamp-current ratings are observed.

2. The package thermal impedance is calculated in accordance with JESD 51-7.

3. The package thermal impedance is calculated in accordance with JESD 51-5.



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recommended operating conditions (see Note 4)

		SN54A	BT125	SN74A		
		MIN	MAX	MIN	MAX	UNIT
V _{CC}	Supply voltage	4.5	5.5	4.5	5.5	V
V _{IH}	High-level input voltage	2		2		V
V _{IL}	Low-level input voltage		0.8		0.8	V
VI	Input voltage	0	V_{CC}	0	V_{CC}	V
I _{OH}	High-level output current		-24		-32	mA
I _{OL}	Low-level output current		48		64	mA
$\Delta t / \Delta v$	Input transition rise or fall rate		10		10	ns/V
$\Delta t / \Delta V_{CC}$	Power-up ramp rate	200		200		μs/V
T _A	Operating free-air temperature	-55	125	-40	85	°C

NOTE 4: 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.



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

		7507.00	٦	Γ _A = 25°C	;	SN54A	BT125	SN74A				
PARA	METER	TEST CO	NDITIONS	MIN	TYP [†]	MAX	MIN	MAX	MIN	MAX	UNIT	
V _{IK}		V _{CC} = 4.5 V,	I _I = -18 mA			-1.2		-1.2		-1.2	V	
		V _{CC} = 4.5 V,	I _{OH} = -3 mA	2.5			2.5		2.5			
.,		V _{CC} = 5 V,	I _{OH} = -3 mA	3			3		3			
V_{OH}	vон		I _{OH} = -24 mA	2			2				V	
	$V_{CC} = 4.5 V$	I _{OH} = -32 mA	2*					2				
			I _{OL} = 48 mA			0.55		0.55			v	
V _{OL}		V _{CC} = 4.5 V	I _{OL} = 64 mA			0.55*				0.55	v	
V _{hys}					100						mV	
l _l		$V_{CC} = 0$ to 5.5 V,	$V_I = V_{CC}$ or GND			±1		±1		±1	μA	
I _{OZPU}		$V_{CC} = 0$ to 2.1 V, $V_{O} = 0$	0.5 V to 2.7 V, OE = X			±50		±50		±50	μA	
I _{OZPD}		V_{CC} = 2.1 V to 0, V_{O} = 0.5 V to 2.7 V, \overline{OE} =				±50		±50		±50	μA	
I _{OZH}		V_{CC} = 2.1 V to 5.5 V,	$V_{O} = 2.7 \text{ V}, \ \overline{OE} \ge 2 \text{ V}$			10		10		10	μA	
I _{OZL}		V_{CC} = 2.1 V to 5.5 V,	$V_O = 0.5 \text{ V}, \ \overline{OE} \ge 2 \text{ V}$			-10		-10		-10	μA	
I _{off}		$V_{CC} = 0,$	$V_{I} \text{ or } V_{O} \leq 4.5 \text{ V}$			±100				±100	μA	
I _{CEX}		$V_{CC} = 5.5 V,$ $V_{O} = 5.5 V$	Outputs high			50		50		50	μA	
۱ ₀ ‡		V _{CC} = 5.5 V,	V _O = 2.5 V	-50	-100	–200 [§]	-50	–200 [§]	-50	-200§	mA	
		V _{CC} = 5.5 V,	Outputs high		1	250		250		250	μA	
I _{CC}		$I_0 = 0,$	Outputs low		24	30		30		30	mA	
		$V_I = V_{CC}$ or GND	Outputs disabled		0.5	250		250		250	μA	
	Data	V _{CC} = 5.5 V, One input at 3.4 V,	Outputs enabled			1.5		1.5		1.5		
$\Delta I_{CC} \P$	inputs	Other inputs at V _{CC} or GND	Outputs disabled			0.05		0.05		0.05	mA	
	Control inputs	V_{CC} = 5.5 V, One input Other inputs at V_{CC} or 0				1.5		1.5		1.5		
Ci		$V_{I} = 2.5 \text{ V or } 0.5 \text{ V}$			3						pF	
Co		$V_{O} = 2.5 \text{ V or } 0.5 \text{ V}$			7						pF	

* On products compliant to MIL-PRF-38535, this parameter does not apply.

[†] All typical values are at $V_{CC} = 5$ V.

[‡] Not more than one output should be tested at a time, and the duration of the test should not exceed one second.

§ This limit may vary among suppliers.

[¶] This is the increase in supply current for each input that is at the specified TTL voltage level, rather than V_{CC} or GND.



SN54ABT125, SN74ABT125 **QUADRUPLE BUS BUFFER GATES** WITH 3-STATE OUTPUTS SCBS182I – FEBRUARY 1997 – REVISED NOVEMBER 2002

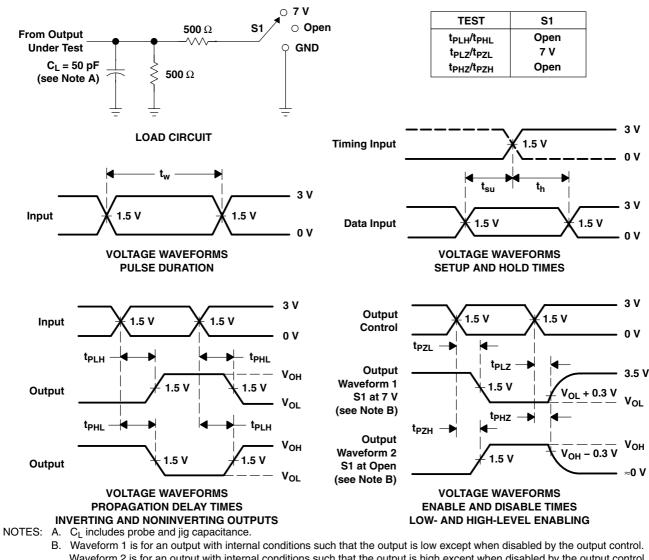
switching characteristics over recommended ranges of supply voltage and operating free-air temperature (unless otherwise noted) (see Figure 1)

PARAMETER	FROM	TO (OUTPUT)	V _{CC} = 5 V, T _A = 25°C			SN54A	BT125	SN74ABT125		UNIT
	(INPUT)		MIN	ТҮР	MAX	MIN	MAX	MIN	MAX	
t _{PLH} †		Y	1	3.2	4.6	1	6	1	4.9	ns
t _{PHL} †	A		1	2.5	4.6	1	6.2	1	4.9	
t _{PZH} †	25	Y	1	3.6	5	1	6	1	5.9	
t _{PZL} †	ŌĒ		1	2.5	6.2	1	7.5	1	6.8	ns
t _{PHZ}		Y	1	3.8	5.4	1	6.3	1	6.2	ns
t _{PLZ} †	ŌĒ		1	3.3	5.3	1	6.5	1	6.2	

[†] This limit may vary among suppliers.



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PARAMETER MEASUREMENT INFORMATION

Waveform 2 is for an output with internal conditions such that the output is high except when disabled by the output control.

- C. All input pulses are supplied by generators having the following characteristics: PRR \leq 10 MHz, Z₀ = 50 Ω , t_f \leq 2.5 ns, t_f \leq 2.5 ns.
- D. The outputs are measured one at a time with one transition per measurement.

E. All parameters and waveforms are not applicable to all devices.

Figure 1. Load Circuit and Voltage Waveforms



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21-Dec-2009

PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	e Eco Plan ⁽²⁾	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
5962-9676801Q2A	ACTIVE	LCCC	FK	20	1	TBD	POST-PLATE	N / A for Pkg Type
5962-9676801QCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
5962-9676801QDA	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SN74ABT125D	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125DBLE	OBSOLETE	SSOP	DB	14		TBD	Call TI	Call TI
SN74ABT125DBR	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125DBRE4	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125DBRG4	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125DE4	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125DG4	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125DR	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125DRE4	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125DRG4	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125N	ACTIVE	PDIP	Ν	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ABT125NE4	ACTIVE	PDIP	Ν	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ABT125NSR	ACTIVE	SO	NS	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125NSRE4	ACTIVE	SO	NS	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125NSRG4	ACTIVE	SO	NS	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125PW	ACTIVE	TSSOP	PW	14	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125PWE4	ACTIVE	TSSOP	PW	14	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125PWG4	ACTIVE	TSSOP	PW	14	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125PWLE	OBSOLETE	TSSOP	PW	14		TBD	Call TI	Call TI
SN74ABT125PWR	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125PWRE4	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125PWRG4	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT125RGYR	ACTIVE	VQFN	RGY	14	3000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1 YEAR
SN74ABT125RGYRG4	ACTIVE	VQFN	RGY	14	3000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1 YEAR

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RUMENTS

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan ⁽²⁾	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
SNJ54ABT125FK	ACTIVE	LCCC	FK	20	1	TBD	POST-PLATE	N / A for Pkg Type
SNJ54ABT125J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ54ABT125W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

⁽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), Pb-Free (RoHS Exempt), 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.

Pb-Free (RoHS Exempt): This component has a RoHS exemption for either 1) lead-based flip-chip solder bumps used between the die and package, or 2) lead-based die adhesive used between the die and leadframe. The component is otherwise considered Pb-Free (RoHS compatible) as defined above.

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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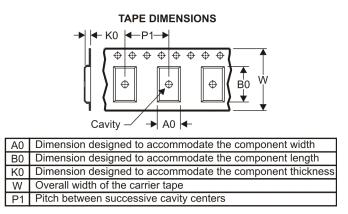
PACKAGE MATERIALS INFORMATION

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TAPE AND REEL INFORMATION





QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



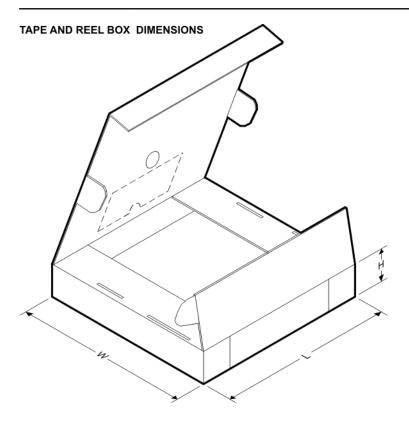
*All dimensions are nominal												
Device	Package Type	Package Drawing		SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
SN74ABT125DBR	SSOP	DB	14	2000	330.0	16.4	8.2	6.6	2.5	12.0	16.0	Q1
SN74ABT125DR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
SN74ABT125DR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
SN74ABT125NSR	SO	NS	14	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
SN74ABT125PWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
SN74ABT125RGYR	VQFN	RGY	14	3000	330.0	12.4	3.75	3.75	1.15	8.0	12.0	Q1

TEXAS INSTRUMENTS

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PACKAGE MATERIALS INFORMATION

30-Jul-2010

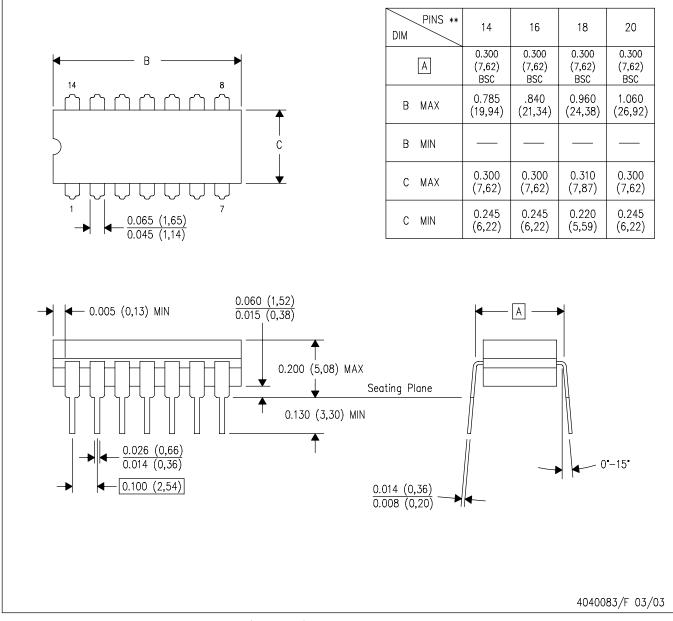


*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
SN74ABT125DBR	SSOP	DB	14	2000	346.0	346.0	33.0
SN74ABT125DR	SOIC	D	14	2500	346.0	346.0	33.0
SN74ABT125DR	SOIC	D	14	2500	333.2	345.9	28.6
SN74ABT125NSR	SO	NS	14	2000	346.0	346.0	33.0
SN74ABT125PWR	TSSOP	PW	14	2000	346.0	346.0	29.0
SN74ABT125RGYR	VQFN	RGY	14	3000	346.0	346.0	29.0

J (R-GDIP-T**) 14 LEADS SHOWN

CERAMIC DUAL IN-LINE PACKAGE

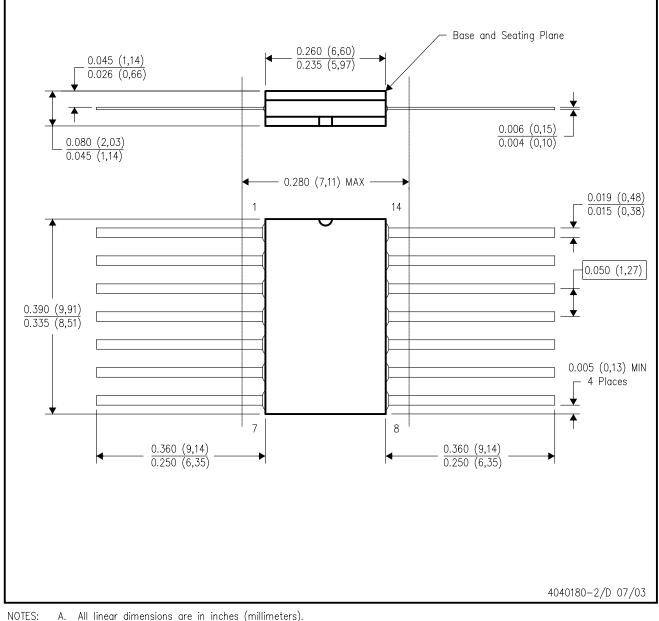


NOTES: A. All linear dimensions are in inches (millimeters).

- B. This drawing is subject to change without notice.
- C. This package is hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only on press ceramic glass frit seal only.
- E. Falls within MIL STD 1835 GDIP1-T14, GDIP1-T16, GDIP1-T18 and GDIP1-T20.

W (R-GDFP-F14)

CERAMIC DUAL FLATPACK



- A. All linear dimensions are in inches (millimeters).
 - B. This drawing is subject to change without notice.
 - C. This package can be hermetically sealed with a ceramic lid using glass frit.
 - D. Index point is provided on cap for terminal identification only.
 - E. Falls within MIL STD 1835 GDFP1-F14 and JEDEC MO-092AB

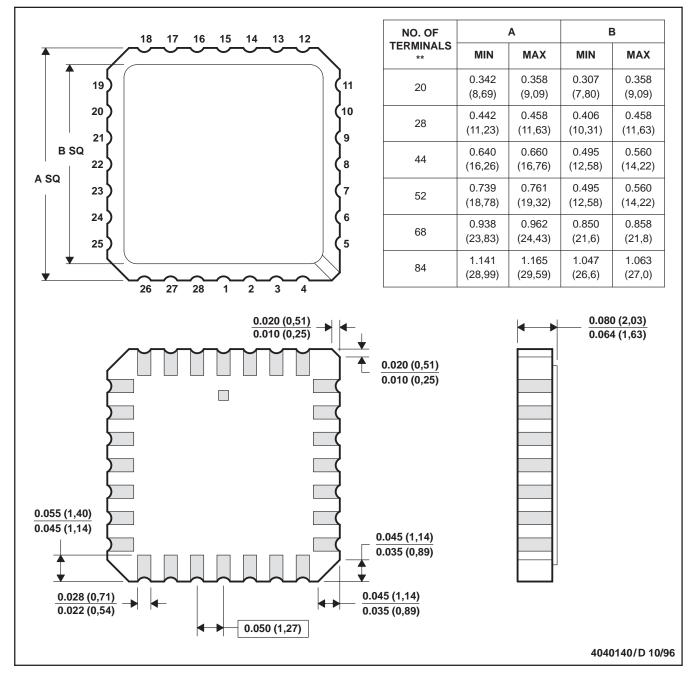


MLCC006B - OCTOBER 1996

FK (S-CQCC-N**)

LEADLESS CERAMIC CHIP CARRIER

28 TERMINAL SHOWN



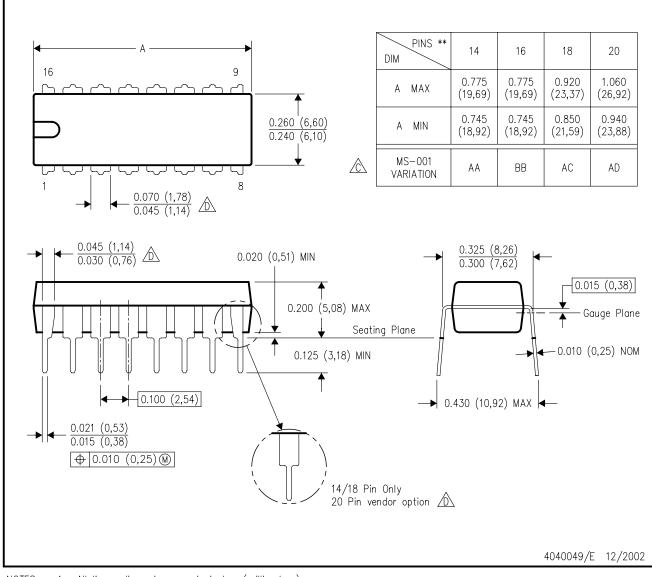
- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a metal lid.
- D. The terminals are gold plated.
- E. Falls within JEDEC MS-004



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



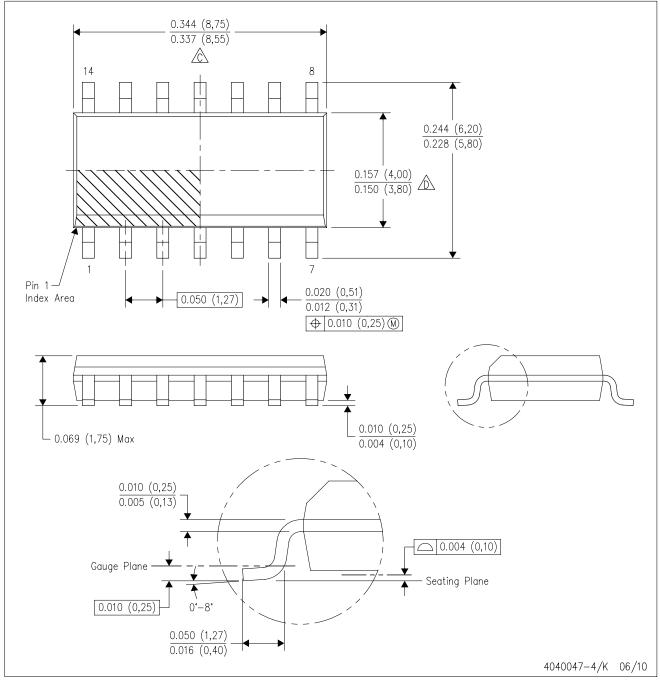
NOTES:

- A. All linear dimensions are in inches (millimeters).B. This drawing is subject to change without notice.
- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



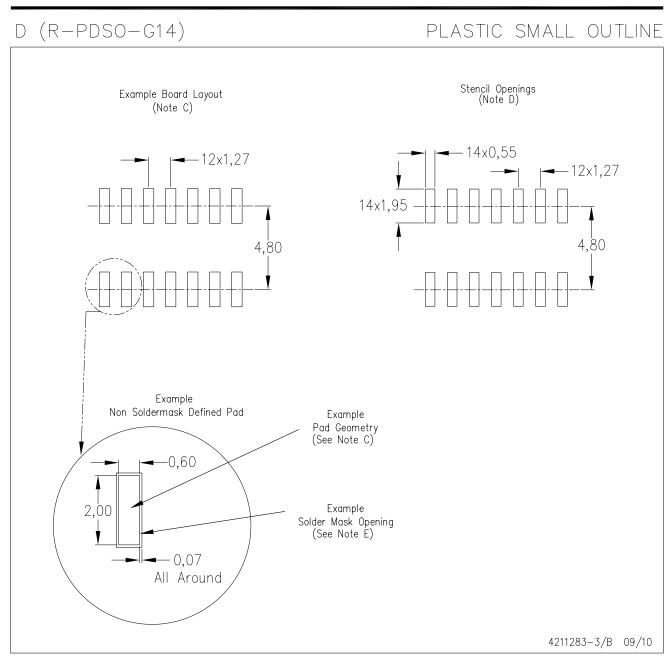
D (R-PDSO-G14)

PLASTIC SMALL-OUTLINE PACKAGE



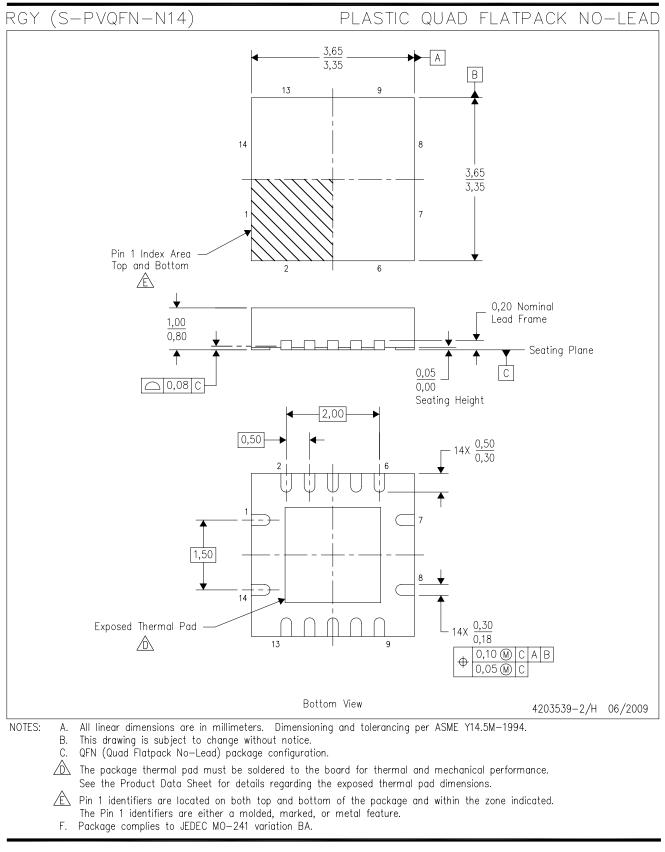
- B. This drawing is subject to change without notice.
- \triangle Body length does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed .006 (0,15) per end.
- / Body width does not include interlead flash. Interlead flash shall not exceed .017 (0,43) per side.
- E. Reference JEDEC MS-012 variation AB.





- B. This drawing is subject to change without notice.
- C. Publication IPC-7351 is recommended for alternate designs.
- D. Laser cutting apertures with trapezoidal walls and also rounding corners will offer better paste release. Customers should contact their board assembly site for stencil design recommendations. Refer to IPC-7525 for other stencil recommendations.
 E. Customers should contact their board fabrication site for solder mask tolerances between and around signal pads.







THERMAL PAD MECHANICAL DATA

RGY (S-PVQFN-N14)

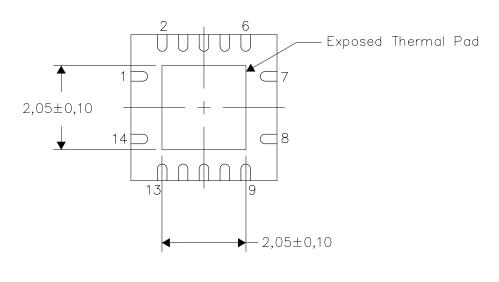
PLASTIC QUAD FLATPACK NO-LEAD

THERMAL INFORMATION

This package incorporates an exposed thermal pad that is designed to be attached directly to an external heatsink. The thermal pad must be soldered directly to the printed circuit board (PCB). After soldering, the PCB can be used as a heatsink. In addition, through the use of thermal vias, the thermal pad can be attached directly to the appropriate copper plane shown in the electrical schematic for the device, or alternatively, can be attached to a special heatsink structure designed into the PCB. This design optimizes the heat transfer from the integrated circuit (IC).

For information on the Quad Flatpack No-Lead (QFN) package and its advantages, refer to Application Report, QFN/SON PCB Attachment, Texas Instruments Literature No. SLUA271. This document is available at www.ti.com.

The exposed thermal pad dimensions for this package are shown in the following illustration.



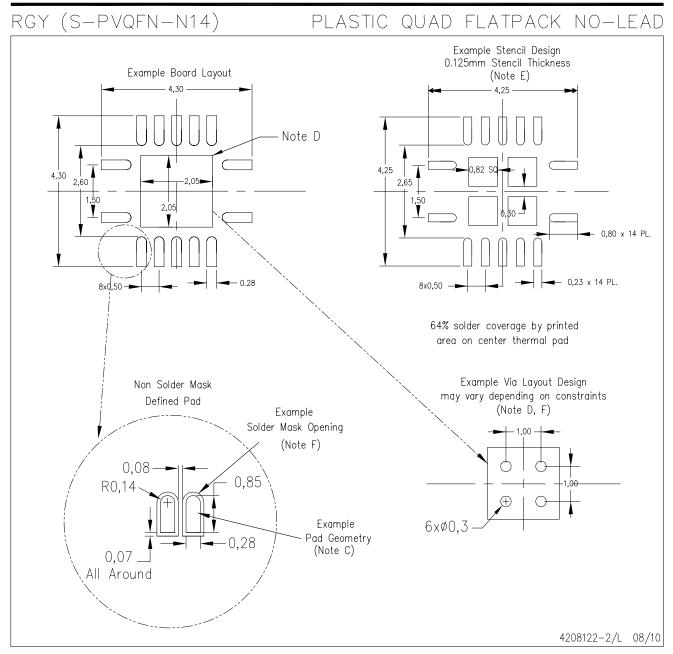
Bottom View

NOTES: All linear dimensions are in millimeters

Exposed Thermal Pad Dimensions

4206353-2/L 08/10





- B. This drawing is subject to change without notice.
- C. Publication IPC-7351 is recommended for alternate designs.
- D. This package is designed to be soldered to a thermal pad on the board. Refer to Application Note, Quad Flat-Pack QFN/SON PCB Attachment, Texas Instruments Literature No. SLUA271, and also the Product Data Sheets for specific thermal information, via requirements, and recommended board layout. These documents are available at www.ti.com http://www.ti.com.
- E. Laser cutting apertures with trapezoidal walls and also rounding corners will offer better paste release. Customers should contact their board assembly site for stencil design recommendations. Refer to IPC 7525 for stencil design considerations.
- F. Customers should contact their board fabrication site for minimum solder mask web tolerances between signal pads.



PLASTIC SMALL-OUTLINE PACKAGE

0,51 0,35 **⊕**0,25€ 1,27 8 14 0,15 NOM 5,60 8,20 7,40 5,00 \bigcirc Gage Plane ₽ 0,25 7 1 1,05 0,55 0°-10° 0,15 0,05 Seating Plane 2,00 MAX 0,10 _ PINS ** 14 16 20 24 DIM 10,50 10,50 15,30 A MAX 12,90 A MIN 9,90 9,90 12,30 14,70 4040062/C 03/03

NOTES: A. All linear dimensions are in millimeters.

NS (R-PDSO-G**)

14-PINS SHOWN

- B. This drawing is subject to change without notice.
- C. Body dimensions do not include mold flash or protrusion, not to exceed 0,15.

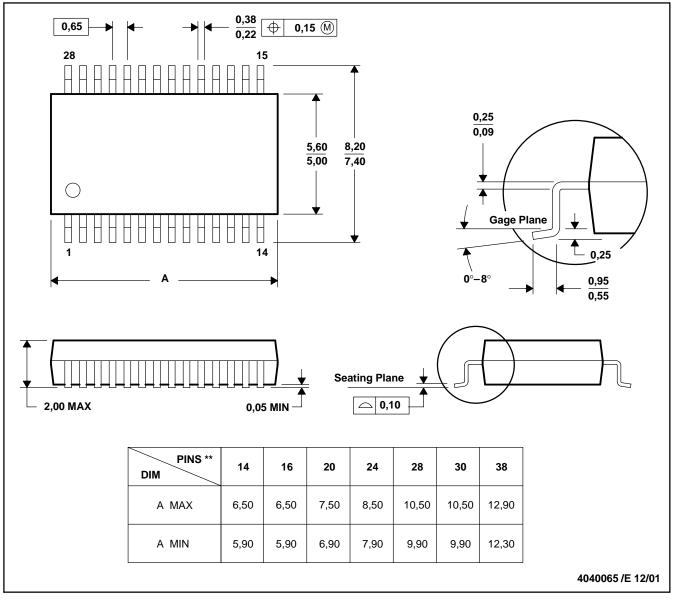


MSSO002E - JANUARY 1995 - REVISED DECEMBER 2001

DB (R-PDSO-G**)

PLASTIC SMALL-OUTLINE

28 PINS SHOWN



- 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

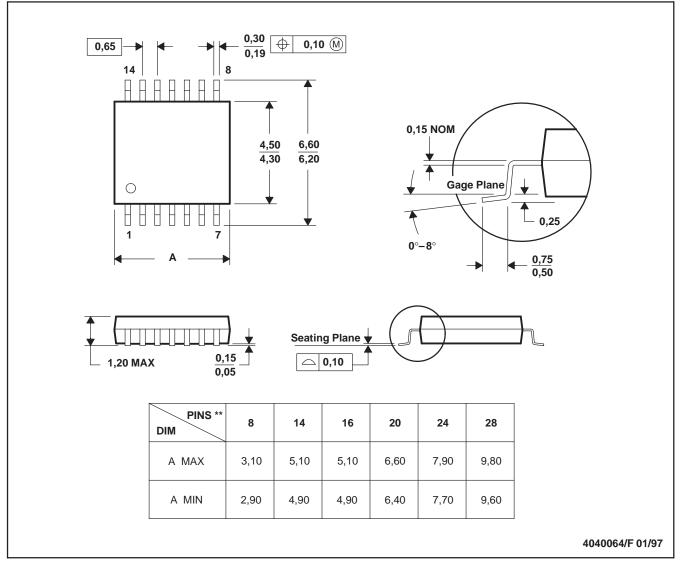


MTSS001C - JANUARY 1995 - REVISED FEBRUARY 1999

PW (R-PDSO-G**)

PLASTIC SMALL-OUTLINE PACKAGE

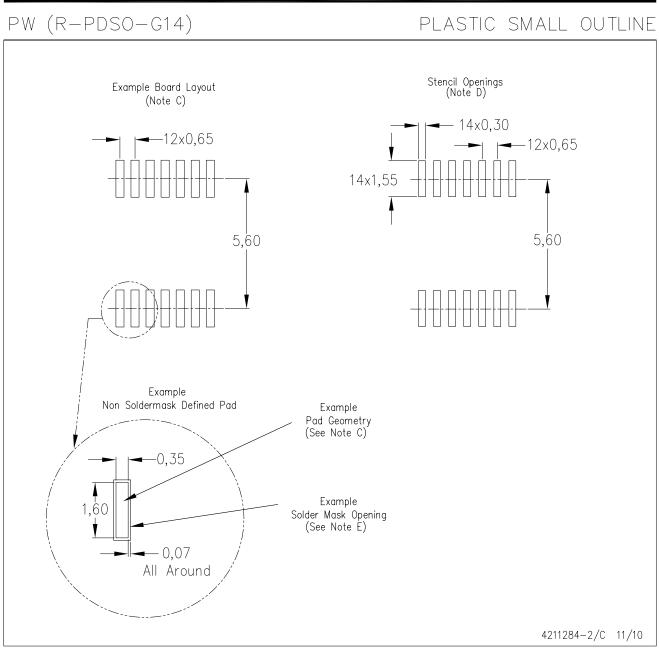
14 PINS SHOWN



- 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



LAND PATTERN DATA



- B. This drawing is subject to change without notice.
- C. Publication IPC-7351 is recommended for alternate designs.
- D. Laser cutting apertures with trapezoidal walls and also rounding corners will offer better paste release. Customers should contact their board assembly site for stencil design recommendations. Refer to IPC-7525 for other stencil recommendations.
 E. Customers should contact their board fabrication site for solder mask tolerances between and around signal pads.



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