SCLS2650 - DECEMBER 1995 - REVISED JULY 2003

- Inputs Are TTL-Voltage Compatible
- 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

The 'AHCT126 devices are quadruple bus buffer gates featuring independent line drivers with 3-state outputs. Each output is disabled when the associated output-enable (OE) input is low. When OE is high, the respective gate passes the data from the A input to its Y output.

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. SN54AHCT126 ... J OR W PACKAGE SN74AHCT126 ... D, DB, DGV, N, NS, OR PW PACKAGE (TOP VIEW)

	(10		)
10E [	2	14	V <sub>CC</sub>
1A [		13	4OE
1Y [		12	4A
20E [ 2A [	4	11	] 4Y
2Y [	6	9	] 3A
GND [	7	8	] 3Y

SN54AHCT126...FK PACKAGE (TOP VIEW)

	1A	NC 10E	40F ADF	 ) -	
				L	
1Y NC 2OE NC 2A	4 <sup>3</sup>	2 1	20 19	18	4A
NC	5			17	NC
20E	6			16	4Y
NC	7			15	NC
2A	8			14	3OE
		10 11	12 13		
	2≺	U N N	3A 3A		

NC - No internal connection

TA	PACKA	GE†	ORDERABLE PART NUMBER	TOP-SIDE MARKING
	PDIP – N	Tube	SN74AHCT126N	SN74AHCT126N
	SOIC - D	Tube	SN74AHCT126D	AHCT126
	3010 - 0	Tape and reel	SN74AHCT126DR	Anorizo
-40°C to 85°C	SOP – NS	Tape and reel	SN74AHCT126NSR	AHCT126
40 0 10 00 0	SSOP – DB	- DB Tape and reel SN74AHCT126DBR		HB126
	TSSOP – PW	Tube	SN74AHCT126PW	HB126
	1330F - FW	Tape and reel	SN74AHCT126PWR	110120
	TVSOP – DGV	Tape and reel	SN74AHCT126DGVR	HB126
	CDIP – J	Tube	SNJ54AHCT126J	SNJ54AHCT126J
–55°C to 125°C	CFP – W	Tube	SNJ54AHCT126W	SNJ54AHCT126W
	LCCC – FK	Tube	SNJ54AHCT126FK	SNJ54AHCT126FK

#### **ORDERING INFORMATION**

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



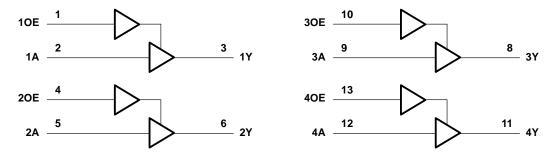
Please be aware that an important notice concerning availability, standard warranty, and use in critical applications of Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.

PRODUCTION DATA information is current as of publication date. Products conform to specifications per the terms of Texas Instruments standard warranty. Production processing does not necessarily include testing of all parameters. Copyright © 2003, Texas Instruments Incorporated On products compliant to MIL-PRF-38535, all parameters are tested unless otherwise noted. On all other products, production processing does not necessarily include testing of all parameters.

SCLS2650 - DECEMBER 1995 - REVISED JULY 2003

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

## logic diagram (positive logic)



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

#### absolute maximum ratings over operating free-air temperature range (unless otherwise noted)<sup>†</sup>

<sup>†</sup> 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 voltage ratings may be exceeded if the input and output current ratings are observed.

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



SCLS2650 - DECEMBER 1995 - REVISED JULY 2003

#### recommended operating conditions (see Note 3)

		SN54AHCT126		SN74AH	UNIT	
		MIN	MAX	MIN	MAX	UNIT
VCC	Supply voltage	4.5	5.5	4.5	5.5	V
VIH	High-level input voltage	2		2		V
VIL	Low-level input voltage		0.8		0.8	V
VI	Input voltage	0	5.5	0	5.5	V
Vo	Output voltage	0	VCC	0	VCC	V
ЮН	High-level output current		-8		-8	mA
I <sub>OL</sub>	Low-level output current		8		8	mA
$\Delta t/\Delta v$	Input transition rise or fall rate		20		20	ns/V
Т <sub>А</sub>	Operating free-air temperature	-55	125	-40	85	°C

NOTE 3: All unused inputs of the device must be held at V<sub>CC</sub> 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	Vaa	Т	ק = 25°C	;	SN54AH	CT126	SN74AHCT126		UNIT	
PARAMETER	TEST CONDITIONS	Vcc	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNIT	
Veu	I <sub>OH</sub> = -50 μA	4.5 V	4.4	4.5		4.4		4.4		V	
VOH	I <sub>OH</sub> = –8 mA	4.5 V	3.94			3.8		3.8		v	
VOL	I <sub>OL</sub> = 50 μA	4.5 V			0.1		0.1		0.1	V	
VOL	I <sub>OL</sub> = 8 mA	4.5 V			0.36		0.44		0.44	v	
Ц	$V_{I} = 5.5 V \text{ or GND}$	0 V to 5.5 V			±0.1		±1*		±1	μΑ	
loz	$V_{O} = V_{CC}$ or GND	5.5 V			±0.25		±2.5		±2.5	μΑ	
Icc	$V_{I} = V_{CC} \text{ or } GND, \qquad I_{O} = 0$	5.5 V			2		20		20	μΑ	
∆lcc†	One input at 3.4 V, Other inputs at V <sub>CC</sub> or GND	5.5 V			1.35		1.5		1.5	mA	
Ci	$V_I = V_{CC}$ or GND	5 V		4	10				10	pF	
Co	$V_{O} = V_{CC}$ or GND	5 V		15						pF	

\* On products compliant to MIL-PRF-38535, this parameter is not production tested at  $V_{CC}$  = 0 V.

<sup>†</sup> This is the increase in supply current for each input at one of the specified TTL voltage levels, rather than 0 V or V<sub>CC</sub>.



SCLS2650 - DECEMBER 1995 - REVISED JULY 2003

# switching characteristics over recommended operating free-air temperature range, $V_{CC}$ = 5 V $\pm$ 0.5 V (unless otherwise noted) (see Figure 1)

DADAMETED	FROM	то	LOAD	Τ <sub>4</sub>	λ = 25°C	;	SN54AH	CT126	SN74AH	CT126	UNIT
PARAMETER	(INPUT)	(OUTPUT)	CAPACITANCE	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNIT
<sup>t</sup> PLH	А	Y	C <sub>I</sub> = 15 pF		3.8*	5.5*	1*	6.5*	1	6.5	ns
<sup>t</sup> PHL	A	Y	CL = 13 pr		3.8*	5.5*	1*	6.5*	1	6.5	115
<sup>t</sup> PZH	OE	Y	CI = 15 pF		3.6*	5.1*	1*	6*	1	6	ns
<sup>t</sup> PZL	ÛE	I	CL = 13 pr		3.6*	5.1*	1*	6*	1	6	115
<sup>t</sup> PHZ	OE	Y	C <sub>L</sub> = 15 pF		4.6*	6.8*	1*	8*	1	8	ns
<sup>t</sup> PLZ	0L	I	0L = 10 pi		4.6*	6.8*	1*	8*	1	8	8
<sup>t</sup> PLH	А	Y	$C_{1} = 50 \text{ pF}$		5.3	7.5	1	8.5	1	8.5	ns
<sup>t</sup> PHL	A	T	C <sub>L</sub> = 50 pF		5.3	7.5	1	8.5	1	8.5	115
<sup>t</sup> PZH	05	Y	$C_{1} = 50 \text{ pF}$		5.1	7.1	1	8	1	8	ns
<sup>t</sup> PZL	OE	T	C <sub>L</sub> = 50 pF		5.1	7.1	1	8	1	8	115
<sup>t</sup> PHZ	OE	Y	C <sub>I</sub> = 50 pF		6.1	8.8	1	10	1	10	ns
<sup>t</sup> PLZ	UE	1	CL = 30 pr		6.1	8.8	1	10	1	10	115
<sup>t</sup> sk(o)			CL = 50 pF			1**				1	ns

\* On products compliant to MIL-PRF-38535, this parameter is not production tested.

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

# noise characteristics, $V_{CC}$ = 5 V, $C_L$ = 50 pF, $T_A$ = 25°C (see Note 4)

	PARAMETER	SN74AH	UNIT	
	PARAMETER	MIN	MAX	UNIT
VOL(P)	Quiet output, maximum dynamic V <sub>OL</sub>		0.8	V
VOL(V)	Quiet output, minimum dynamic V <sub>OL</sub>		-0.8	V
V <sub>OH(V)</sub>	Quiet output, minimum dynamic V <sub>OH</sub>	4.4		V
VIH(D)	High-level dynamic input voltage	2		V
V <sub>IL(D)</sub>	Low-level dynamic input voltage		0.8	V

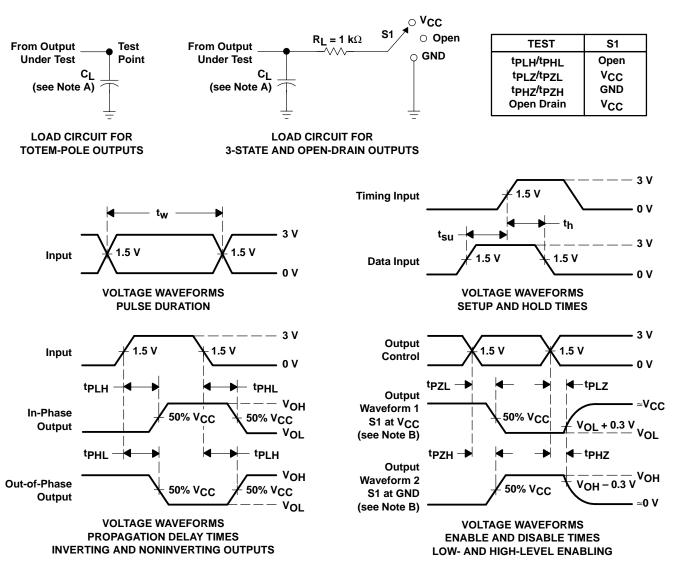
NOTE 4: Characteristics are for surface-mount packages only.

# operating characteristics, $V_{CC} = 5 V$ , $T_A = 25^{\circ}C$

	PARAMETER	TEST CO	ONDITIONS	TYP	UNIT
Cpd	Power dissipation capacitance	No load,	f = 1 MHz	14	pF



SCLS265O - DECEMBER 1995 - REVISED JULY 2003



## PARAMETER MEASUREMENT INFORMATION

NOTES: A. C<sub>1</sub> includes probe and jig capacitance.

- B. 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.
- C. All input pulses are supplied by generators having the following characteristics: PRR  $\leq$  1 MHz, Z<sub>O</sub> = 50  $\Omega$ , t<sub>r</sub>  $\leq$  3 ns, t<sub>f</sub>  $\leq$  3 ns.
- D. The outputs are measured one at a time with one input 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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15-Oct-2009

## **PACKAGING INFORMATION**

Orderable Device	Status <sup>(1)</sup>	Package Type	Package Drawing	Pins	Package Qty	e Eco Plan <sup>(2)</sup>	Lead/Ball Finish	MSL Peak Temp <sup>(3)</sup>
5962-9686301Q2A	ACTIVE	LCCC	FK	20	1	TBD	POST-PLATE	N / A for Pkg Type
5962-9686301QCA	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
5962-9686301QDA	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type
SN74AHCT126D	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DBLE	OBSOLETE	SSOP	DB	14		TBD	Call TI	Call TI
SN74AHCT126DBR	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DBRE4	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DBRG4	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DE4	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DG4	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DGVR	ACTIVE	TVSOP	DGV	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DGVRE4	ACTIVE	TVSOP	DGV	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DGVRG4	ACTIVE	TVSOP	DGV	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DR	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DRE4	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126DRG4	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126N	ACTIVE	PDIP	Ν	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74AHCT126NE4	ACTIVE	PDIP	Ν	14	25	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74AHCT126NSR	ACTIVE	SO	NS	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126NSRE4	ACTIVE	SO	NS	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126NSRG4	ACTIVE	SO	NS	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126PW	ACTIVE	TSSOP	PW	14	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126PWE4	ACTIVE	TSSOP	PW	14	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126PWG4	ACTIVE	TSSOP	PW	14	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126PWLE	OBSOLETE	TSSOP	PW	14		TBD	Call TI	Call TI
SN74AHCT126PWR	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AHCT126PWRE4	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM

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RUMENTS

Orderable Device	Status <sup>(1)</sup>	Package Type	Package Drawing	Pins	Package Qty	e Eco Plan <sup>(2)</sup>	Lead/Ball Finish	MSL Peak Temp <sup>(3)</sup>
SN74AHCT126PWRG4	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SNJ54AHCT126FK	ACTIVE	LCCC	FK	20	1	TBD	POST-PLATE	N / A for Pkg Type
SNJ54AHCT126J	ACTIVE	CDIP	J	14	1	TBD	A42	N / A for Pkg Type
SNJ54AHCT126W	ACTIVE	CFP	W	14	1	TBD	A42	N / A for Pkg Type

<sup>(1)</sup> 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.

<sup>(2)</sup> 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)

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

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#### OTHER QUALIFIED VERSIONS OF SN54AHCT126, SN74AHCT126 :

Automotive: SN74AHCT126-Q1

Enhanced Product: SN74AHCT126-EP

NOTE: Qualified Version Definitions:

- Automotive Q100 devices qualified for high-reliability automotive applications targeting zero defects
- Enhanced Product Supports Defense, Aerospace and Medical Applications

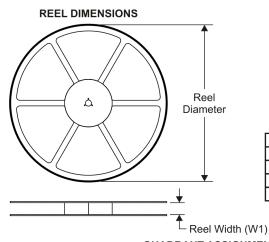


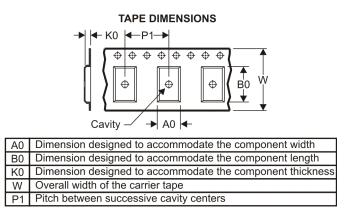
# PACKAGE MATERIALS INFORMATION

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#### TAPE AND REEL INFORMATION





## QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



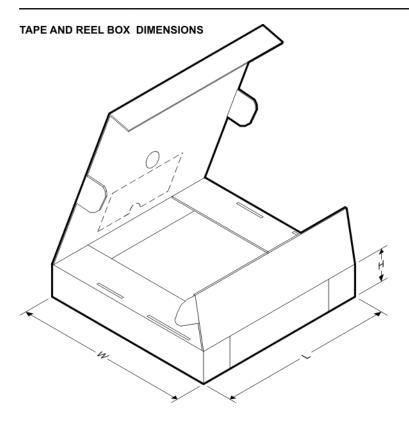
Device	Package Type	Package Drawing		SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
SN74AHCT126DBR	SSOP	DB	14	2000	330.0	16.4	8.2	6.6	2.5	12.0	16.0	Q1
SN74AHCT126DGVR	TVSOP	DGV	14	2000	330.0	12.4	6.8	4.0	1.6	8.0	12.0	Q1
SN74AHCT126DR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
SN74AHCT126NSR	SO	NS	14	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
SN74AHCT126PWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1

TEXAS INSTRUMENTS

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# PACKAGE MATERIALS INFORMATION

30-Jul-2010

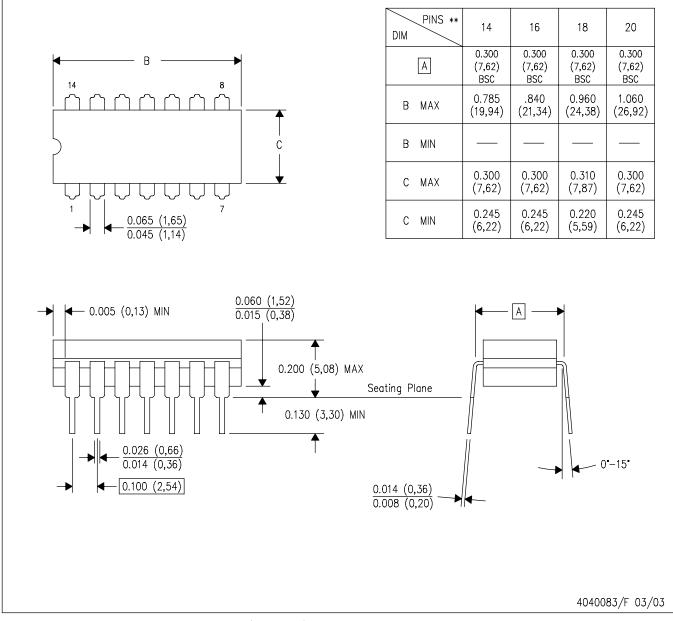


\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
SN74AHCT126DBR	SSOP	DB	14	2000	346.0	346.0	33.0
SN74AHCT126DGVR	TVSOP	DGV	14	2000	346.0	346.0	29.0
SN74AHCT126DR	SOIC	D	14	2500	346.0	346.0	33.0
SN74AHCT126NSR	SO	NS	14	2000	346.0	346.0	33.0
SN74AHCT126PWR	TSSOP	PW	14	2000	346.0	346.0	29.0

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

CERAMIC DUAL IN-LINE PACKAGE

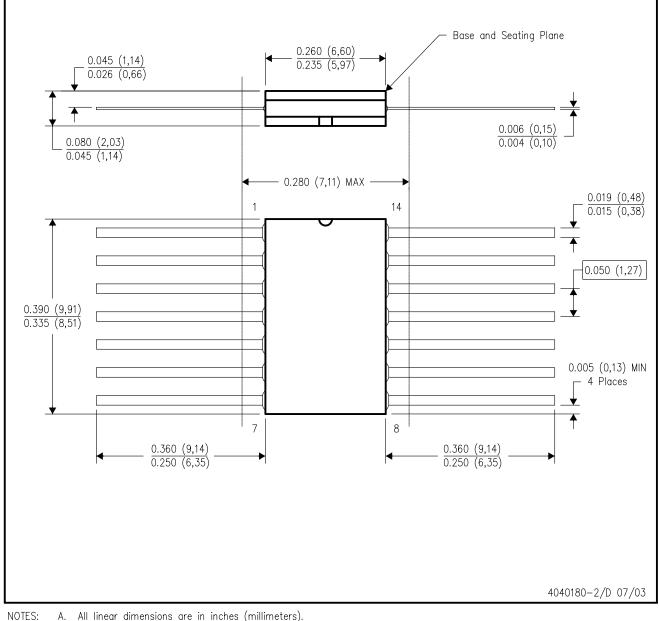


NOTES: A. All linear dimensions are in inches (millimeters).

- 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

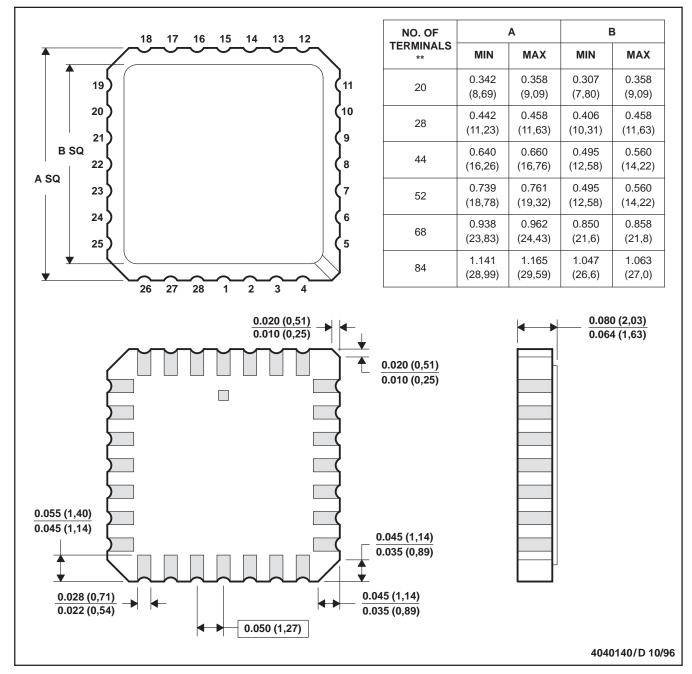


MLCC006B - OCTOBER 1996

#### FK (S-CQCC-N\*\*)

#### LEADLESS CERAMIC CHIP CARRIER

28 TERMINAL SHOWN



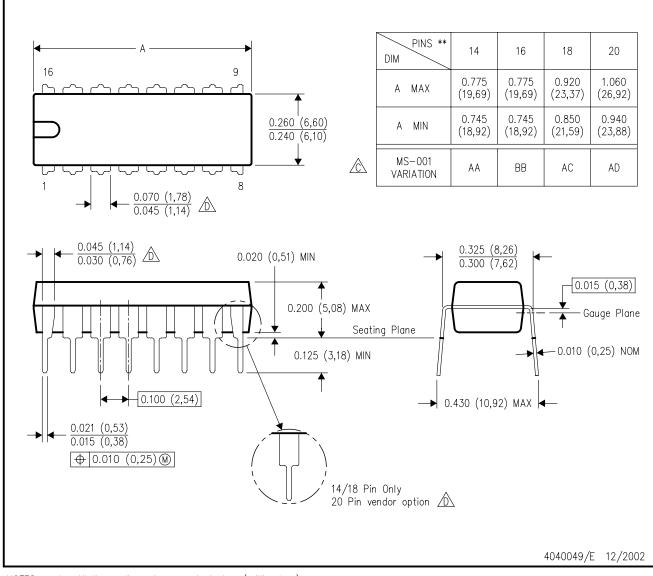
- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a metal lid.
- D. The terminals are gold plated.
- E. Falls within JEDEC MS-004



# 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).
- $\triangle$  The 20 pin end lead shoulder width is a vendor option, either half or full width.

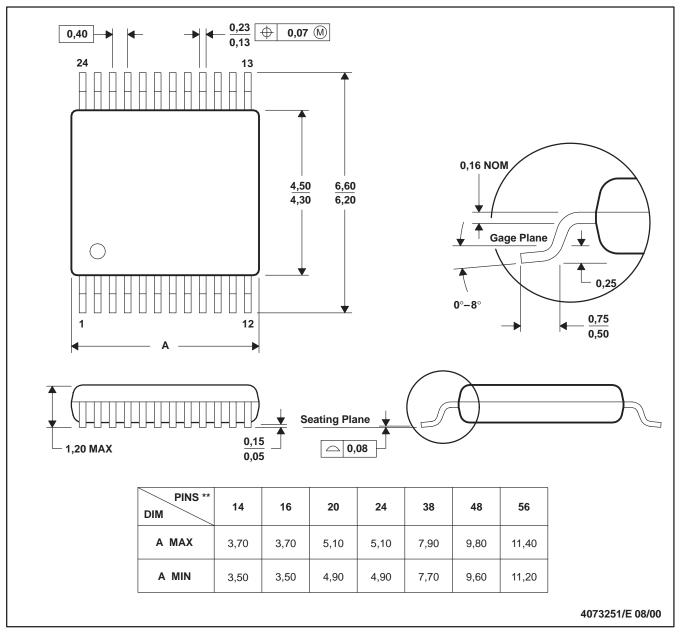


PLASTIC SMALL-OUTLINE

MPDS006C - FEBRUARY 1996 - REVISED AUGUST 2000

# DGV (R-PDSO-G\*\*)

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.

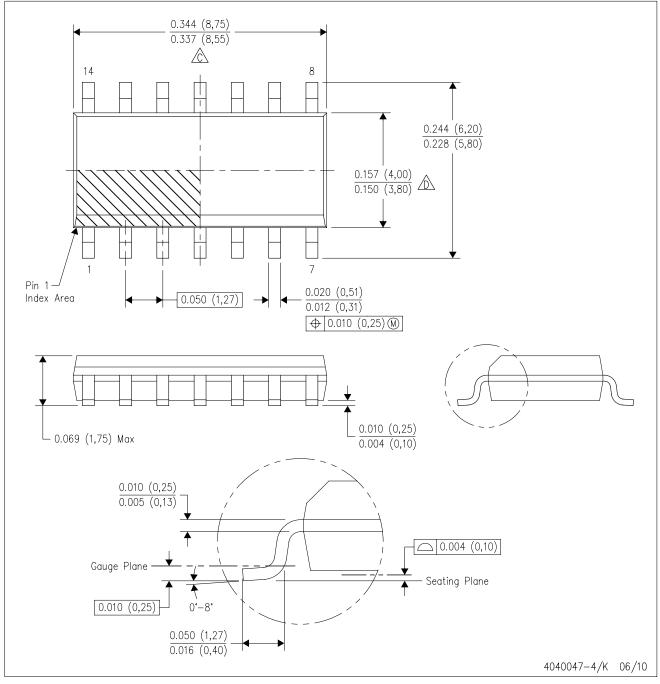
D. Falls within JEDEC: 24/48 Pins - MO-153

14/16/20/56 Pins – MO-194



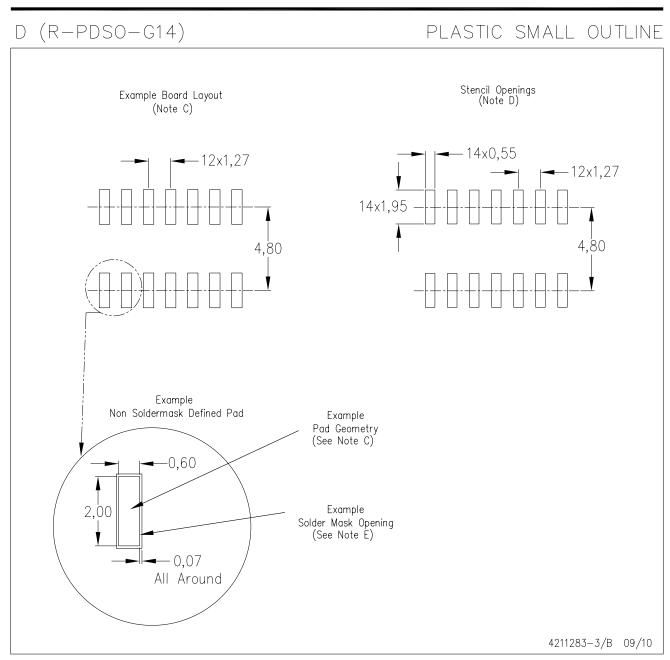
D (R-PDSO-G14)

PLASTIC SMALL-OUTLINE PACKAGE



- B. This drawing is subject to change without notice.
- 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.



#### 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.

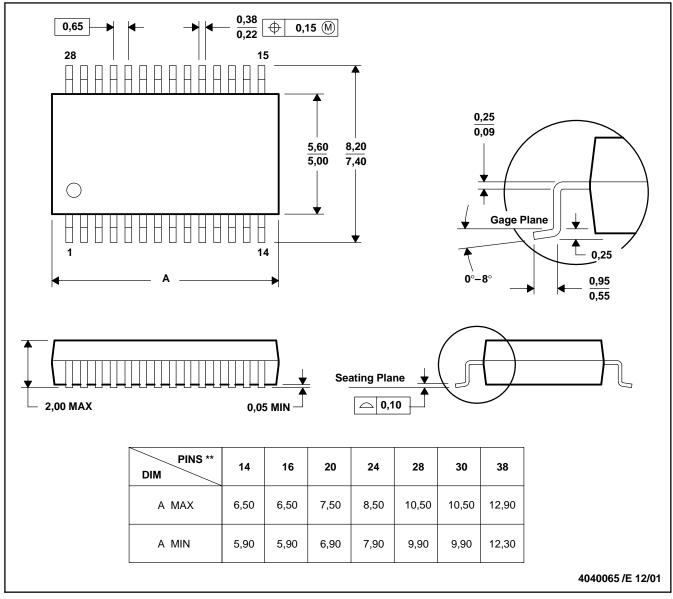


MSSO002E - JANUARY 1995 - REVISED DECEMBER 2001

# 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

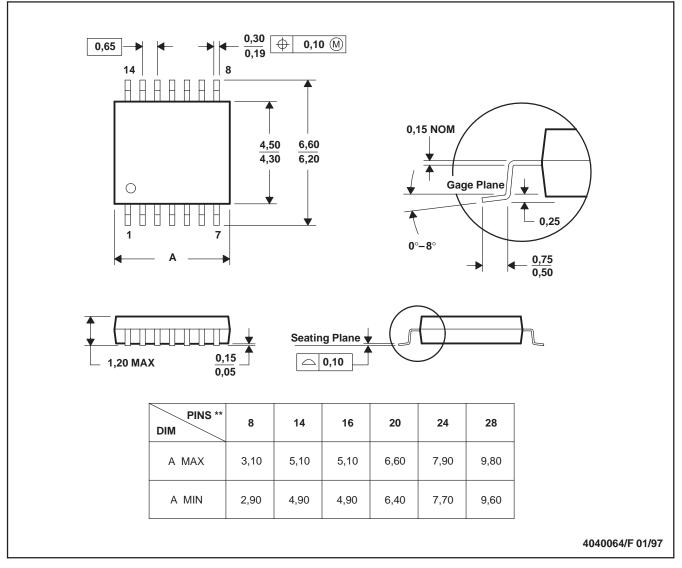


MTSS001C - JANUARY 1995 - REVISED FEBRUARY 1999

# PW (R-PDSO-G\*\*)

#### PLASTIC SMALL-OUTLINE PACKAGE

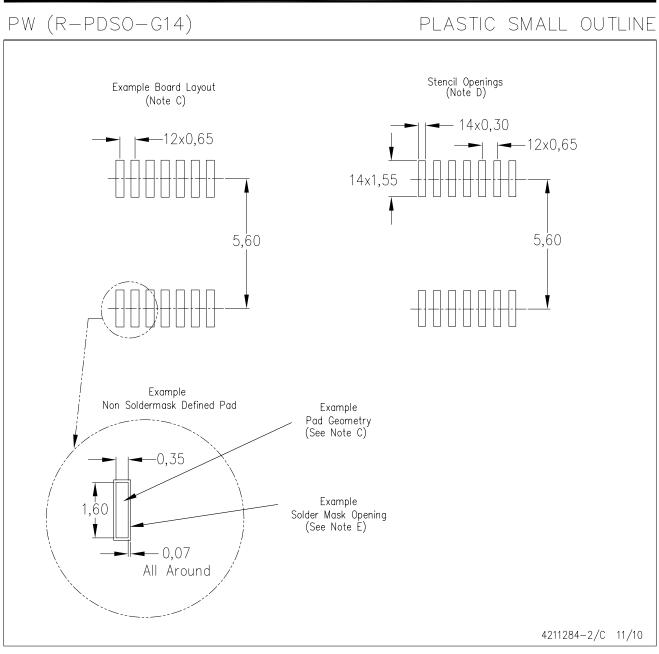
14 PINS SHOWN



- 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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