







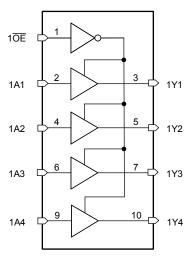


SN54HC367, SN74HC367 SCLS309E - JANUARY 1996 - REVISED MARCH 2022

SNx4HC367 Hex Buffers and Line Drivers with 3-State Outputs

1 Features

- Wide operating voltage range of 2 V to 6 V
- High-current 3-state outputs drive bus lines, buffer memory address registers, or drive up to 15 LSTTL loads
- True outputs
- Low power consumption, 80- μ A max I_{CC}
- Typical $t_{pd} = 10 \text{ ns}$
- ±6-mA output drive at 5 V
- Low input current of 1µA max



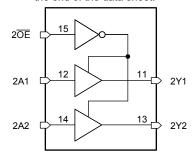
2 Description

The SNx4HC367 is a hex buffer with 3-state outputs. The device is configured into two banks, one with four drivers and one with two drivers, each controlled by its own output enable pin.

Device Information

PART NUMBER	PACKAGE ⁽¹⁾	BODY SIZE (NOM)
SN54HC367J	CDIP (16)	24.38 mm × 6.92 mm
SN74HC367D	SOIC (16)	9.90 mm × 3.90 mm
SN74HC367N	PDIP (16)	19.31 mm × 6.35 mm
SN74HC367NS	SO (16)	6.20 mm × 5.30 mm
SN74HC367PW	TSSOP (16)	5.00 mm × 4.40 mm

For all available packages, see the orderable addendum at the end of the data sheet.



Functional Block Diagram



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3 Revision History

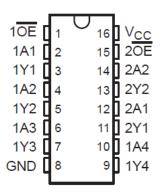
NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from Revision D (September 2003) to Revision E (March 2022)

Page



4 Pin Configuration and Functions



J, D, N, NS, or PW package 16-Pin CDIP, SOIC, PDIP, SO, or TSSOP Top View

5 Specifications

5.1 Absolute Maximum Ratings

over operating free-air temperature range (unless otherwise noted)(1)

			MIN	MAX	UNIT
V _{CC}	Supply voltage range		-0.5	7	V
I _{IK}	Input clamp current ⁽²⁾	$(V_I < 0 \text{ or } V_I > V_{CC})$		±20	mA
I _{OK}	Output clamp current ⁽²⁾	$(V_O < 0 \text{ or } V_O > V_{CC})$		±20	mA
Io	Continuous output current	(V _O = 0 to V _{CC})		±35	mA
	Continuous current through V _C	cc or GND		±70	mA
TJ	Junction temperature		150	°C	
T _{stg}	Storage temperature		-65	150	°C

⁽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.

5.2 Recommended Operating Conditions⁽¹⁾

			SN	54HC367		SN	74HC367		UNIT
			MIN	NOM	MAX	MIN	NOM	MAX	
V _{CC}	Supply voltage		2	5	6	2	5	6	V
		V _{CC} = 2 V	1.5			1.5			
V_{IH}	V _{IH} High-level input voltage	V _{CC} = 4.5 V	3.15			3.15			v
		V _{CC} = 6 V	4.2			4.2			
		V _{CC} = 2 V			0.5			0.5	
V_{IL}	V _{IL} Low-level input voltage	V _{CC} = 4.5 V			1.35		,	1.35	V
		V _{CC} = 6 V			1.8			1.8	
VI	Input voltage	<u>'</u>	0		V _{CC}	0		V _{CC}	V
Vo	Output voltage		0		V _{CC}	0		V _{CC}	V
		V _{CC} = 2 V			1000		,	1000	
t _t	Input transition rise/fall time	V _{CC} = 4.5 V			500		,	500	ns
		V _{CC} = 6 V			400			400	
T _A	Operating free-air temperature				125	-40		85	°C

⁽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 SMOS Inputs, literature number SCBA004.

5.3 Thermal Information

		D (SOIC)	N (PDIP)	NS (SO)	PW (TSSOP)	
THERMAL M	ETRIC	16 PINS	16 PINS	16 PINS	16 PINS	UNIT
$R_{\theta JA}$	Junction-to-ambient thermal resistance ⁽¹⁾	73	67	64	108	°C/W

For more information about traditional and new thermal metrics, see the Semiconductor and IC package thermal metrics application report.

⁽²⁾ The input and output voltage ratings may be exceeded if the input and output current ratings are observed.

5.4 Electrical Characteristics

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

PARAMETER	TEST	V (A)	Т	A = 25°C		SN54HC	367	SN74HC	367	UNIT
PARAMETER	CONDITIONS ⁽¹⁾	V _{CC} (V)	MIN	TYP	MAX	MIN	MAX	MIN	MAX	
		2	1.9	1.998		1.9		1.9		
	I _{OH} = -20 μA	4.5	4.4	4.499		4.4		4.4		
V_{OH}		6	5.9	5.999		5.9		5.9		V
	I _{OH} = -4 mA	4.5	3.98	4.3		3.7		3.84		
	$I_{OH} = -5.2 \text{ mA}$	6	5.48	5.8		5.2		5.34		
	I _{OL} = 20 μA	2		0.002	0.1		0.1		0.1	
		4.5		0.001	0.1		0.1		0.1	
V_{OL}		6		0.001	0.1		0.1		0.1	V
	I _{OL} = 4 mA	4.5		0.17	0.26		0.4		0.33	
	I _{OL} = 5.2 mA	6		0.15	0.26		0.4		0.33	
l _l	$V_I = V_{CC}$ or 0	6		±0.1	±100		±1000		±1000	nA
I _{OZ}	$V_O = V_{CC}$ or 0	6		±0.01	±0.5		±10		±5	μΑ
I _{cc}	$V_I = V_{CC} \text{ or } 0, I_O$ = 0	6			8		160		80	μΑ
C _i		2 to 6		3	10		10		10	pF

⁽¹⁾ $V_I = V_{IH}$ or V_{IL} , unless otherwise noted.

5.5 Switching Characteristics

over recommended operating free-air temperature range, C_L = 50 pF (unless otherwise noted) (See Figure 6)

	PARAMETER	FROM	TO (OUTPUT)	V _{cc}	TA	= 25°C		SN54H0	2367	SN74HC	367			
	PARAWETER	(INPUT)	10 (001701)	(V)	MIN	TYP	MAX	MIN	MAX	MIN	MAX			
				2		50	95		145		120			
t _{pd}	Propagation delay	Α	Y	4.5		12	19		29		24	ns		
				6		10	16		25		20			
				2		100	190		285		238			
t _{en}	Enable time	ŌĒ	ŌĒ	ŌĒ	Υ	4.5		26	38		57		48	ns
					6		21	32		48		41		
				2		50	175		265		240			
t _{dis}	Diable time	ŌĒ	Y	4.5		21	35		53		48	ns		
				6		19	30		45		41			
				2		28	60		90		75			
t _t	Transition time		Any	4.5		8	12		18		15	ns		
				6		6	10		15		13			

5.5 Switching Characteristics

over recommended operating free-air temperature range, C_L = 150 pF (unless otherwise noted) (See Figure 6)

	PARAMETER	FROM	TO (OUTPUT)	V _{CC}	T _A	= 25°C		SN54H	C367	SN74H0	2367									
	FARAWETER	(INPUT)	10 (001701)	(V)	MIN	TYP	MAX	MIN	MAX	MIN	MAX									
				2	,	70	120		180	,	150									
t _{pd}	Propagation delay	A	Y	4.5		17	24		36	,	30	ns								
							6		14	20		31		25						
			2		140	230		345		285										
t _{en}	Enable time	ŌĒ	Y	4.5		30	46		69		57	ns								
												6		28	39		59		48	
				2		45	210		315	,	265									
t _t	Transition time	Any	Any	4.5		17	42		63		53	ns								
				6		13	36		53		45									

5.6 Operating Characteristics

T_A = 25°C

		Test Conditions	TYP	UNIT
C_{pd}	Power dissipation capacitance per buffer/driver	No load	35	pF

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6 Parameter Measurement Information

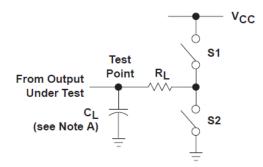


Figure 6-1. Load Circuit

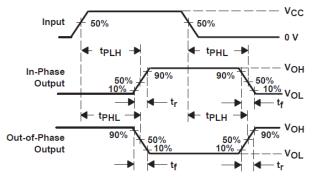
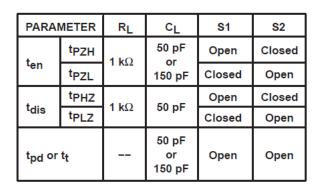


Figure 6-2. Voltage Waveforms
Propagation Delay and Output Transition Times



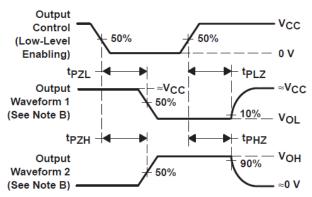


Figure 6-3. Voltage Waveforms
Enable and Disable Times for 3-State Outputs



Figure 6-4. Voltage Waveforms Input Rise and Fall Times

- A. C_L includes probe and jig capacitance.
- B. Waveform 1 is for an output with internal conditions such that the output is low except when diabled by the output control.

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

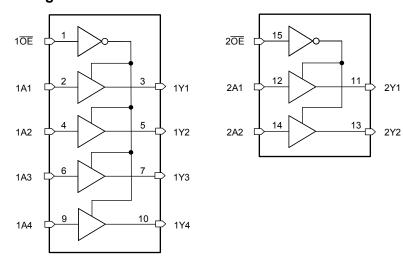
- C. Phase relationships between waveforms were chosen arbitrarily. All input pulses are supplied by generators having the following charactersitics: PRR \leq 1 MHz, Z_O = 50 Ω , t_r = 6 ns, t_f = 6 ns.
- D. The outputs are measured one at a time with one input transition per measurement.
- E. t_{PLZ} and t_{PHZ} are the same as t_{dis} .
- F. t_{PZL} and t_{PZH} are the same as t_{en} .
- G. t_{pd} is the maximum between t_{PLH} and t_{PHL}.
- H. t_t is the maximum between t_{TLH} and t_{THL} .

7 Detailed Description

7.1 Overview

These hex buffers and line drivers are designed specifically to improve both the performance and density of 3-state memory address drivers, clock drivers, and bus-oriented receivers and transmitters. The 'HC367 devices are organized as dual 4-line and 2-line buffers/drivers with active-low output-enable ($1\overline{OE}$ and $2\overline{OE}$) inputs. When \overline{OE} is low, the device passes noninverted data from the A inputs to the Y outputs. When \overline{OE} is high, the outputs are in the high-impedance state.

7.2 Functional Block Diagram



Pin numbers hown are for the D, J, N, NS, PW, and W packages.

Figure 7-1. Functional Block Diagram

7.3 Device Functional Modes

Table 7-1. Function Table (each buffer/driver)

INP	OUTPUT	
ŌĒ	Α	Y
Н	Х	Z
L	Н	Н
L	L	L



8 Power Supply Recommendations

The power supply can be any voltage between the minimum and maximum supply voltage rating located in the *Recommended Operating Conditions*. Each V_{CC} terminal should have a good bypass capacitor to prevent power disturbance. A 0.1- μ F capacitor is recommended for this device. It is acceptable to parallel multiple bypass caps to reject different frequencies of noise. The 0.1- μ F and 1- μ F capacitors are commonly used in parallel. The bypass capacitor should be installed as close to the power terminal as possible for best results.

9 Layout

9.1 Layout Guidelines

When using multiple-input and multiple-channel logic devices inputs must not ever be left floating. In many cases, functions or parts of functions of digital logic devices are unused; for example, when only two inputs of a triple-input AND gate are used or only 3 of the 4 buffer gates are used. Such unused input pins must not be left unconnected because the undefined voltages at the outside connections result in undefined operational states. All unused inputs of digital logic devices must be connected to a logic high or logic low voltage, as defined by the input voltage specifications, to prevent them from floating. The logic level that must be applied to any particular unused input depends on the function of the device. Generally, the inputs are tied to GND or V_{CC} , whichever makes more sense for the logic function or is more convenient.



10 Device and Documentation Support

TI offers an extensive line of development tools. Tools and software to evaluate the performance of the device, generate code, and develop solutions are listed below.

10.1 Documentation Support

10.1.1 Related Documentation

10.2 Receiving Notification of Documentation Updates

To receive notification of documentation updates, navigate to the device product folder on ti.com. Click on *Subscribe to updates* to register and receive a weekly digest of any product information that has changed. For change details, review the revision history included in any revised document.

10.3 Support Resources

TI E2E[™] support forums are an engineer's go-to source for fast, verified answers and design help — straight from the experts. Search existing answers or ask your own question to get the quick design help you need.

Linked content is provided "AS IS" by the respective contributors. They do not constitute TI specifications and do not necessarily reflect TI's views; see TI's Terms of Use.

10.4 Trademarks

TI E2E™ is a trademark of Texas Instruments.

All trademarks are the property of their respective owners.

10.5 Electrostatic Discharge Caution



This integrated circuit can be damaged by ESD. Texas Instruments recommends that all integrated circuits be handled with appropriate precautions. Failure to observe proper handling and installation procedures can cause damage.

ESD damage can range from subtle performance degradation to complete device failure. Precision integrated circuits may be more susceptible to damage because very small parametric changes could cause the device not to meet its published specifications.

10.6 Glossary

TI Glossary

This glossary lists and explains terms, acronyms, and definitions.

11 Mechanical, Packaging, and Orderable Information

The following pages include mechanical, packaging, and orderable information. This information is the most current data available for the designated devices. This data is subject to change without notice and revision of this document. For browser-based versions of this data sheet, refer to the left-hand navigation.

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PACKAGING INFORMATION

Orderable part number	Status	Material type	Package Pins	Package qty Carrier	(3)	Lead finish/ Ball material	MSL rating/ Peak reflow	Op temp (°C)	Part marking (6)
8500201EA	Active	Production	CDIP (J) 16	25 TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	8500201EA SNJ54HC367J
JM38510/65708BEA	Active	Production	CDIP (J) 16	25 TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	JM38510/ 65708BEA
JM38510/65708BEA.A	Active	Production	CDIP (J) 16	25 TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	JM38510/ 65708BEA
M38510/65708BEA	Active	Production	CDIP (J) 16	25 TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	JM38510/ 65708BEA
SN54HC367J	Active	Production	CDIP (J) 16	25 TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	SN54HC367J
SN54HC367J.A	Active	Production	CDIP (J) 16	25 TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	SN54HC367J
SN74HC367D	Obsolete	Production	SOIC (D) 16	-	-	Call TI	Call TI	-40 to 85	HC367
SN74HC367DR	Active	Production	SOIC (D) 16	2500 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	HC367
SN74HC367DR.A	Active	Production	SOIC (D) 16	2500 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	HC367
SN74HC367DRG4	Active	Production	SOIC (D) 16	2500 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	HC367
SN74HC367DRG4.A	Active	Production	SOIC (D) 16	2500 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	HC367
SN74HC367DT	Obsolete	Production	SOIC (D) 16	-	=	Call TI	Call TI	-40 to 85	HC367
SN74HC367N	Active	Production	PDIP (N) 16	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	SN74HC367N
SN74HC367N.A	Active	Production	PDIP (N) 16	25 TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	SN74HC367N
SN74HC367NSR	Active	Production	SOP (NS) 16	2000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	HC367
SN74HC367NSR.A	Active	Production	SOP (NS) 16	2000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	HC367
SN74HC367PW	Obsolete	Production	TSSOP (PW) 16	-	-	Call TI	Call TI	-40 to 85	HC367
SN74HC367PWR	Active	Production	TSSOP (PW) 16	2000 LARGE T&R	Yes	NIPDAU SN	Level-1-260C-UNLIM	-40 to 85	HC367
SN74HC367PWR.A	Active	Production	TSSOP (PW) 16	2000 LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	HC367
SN74HC367PWT	Obsolete	Production	TSSOP (PW) 16	-	-	Call TI	Call TI	-40 to 85	HC367
SNJ54HC367J	Active	Production	CDIP (J) 16	25 TUBE	No	SNPB	N/A for Pkg Type -55 to 125		8500201EA SNJ54HC367J
SNJ54HC367J.A	Active	Production	CDIP (J) 16	25 TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	8500201EA SNJ54HC367J

⁽¹⁾ Status: For more details on status, see our product life cycle.

PACKAGE OPTION ADDENDUM

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(2) Material type: When designated, preproduction parts are prototypes/experimental devices, and are not yet approved or released for full production. Testing and final process, including without limitation quality assurance, reliability performance testing, and/or process qualification, may not yet be complete, and this item is subject to further changes or possible discontinuation. If available for ordering, purchases will be subject to an additional waiver at checkout, and are intended for early internal evaluation purposes only. These items are sold without warranties of any kind.

(3) RoHS values: Yes, No, RoHS Exempt. See the TI RoHS Statement for additional information and value definition.

(4) Lead finish/Ball material: Parts may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead finish/Ball material values may wrap to two lines if the finish value exceeds the maximum column width.

(5) MSL rating/Peak reflow: The moisture sensitivity level ratings and peak solder (reflow) temperatures. In the event that a part has multiple moisture sensitivity ratings, only the lowest level per JEDEC standards is shown. Refer to the shipping label for the actual reflow temperature that will be used to mount the part to the printed circuit board.

(6) Part marking: There may be an additional marking, which relates to the logo, the lot trace code information, or the environmental category of the part.

Multiple part markings will be inside parentheses. Only one part marking contained in parentheses and separated by a "~" will appear on a part. If a line is indented then it is a continuation of the previous line and the two combined represent the entire part marking for that device.

Important Information and Disclaimer: The information provided on this page represents TI's knowledge and belief as of the date that it is provided. TI bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy of such information. Efforts are underway to better integrate information from third parties. TI has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. TI and TI suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

In no event shall TI's liability arising out of such information exceed the total purchase price of the TI part(s) at issue in this document sold by TI to Customer on an annual basis.

OTHER QUALIFIED VERSIONS OF SN54HC367, SN74HC367:

Catalog: SN74HC367

Military: SN54HC367

NOTE: Qualified Version Definitions:

Catalog - TI's standard catalog product

• Military - QML certified for Military and Defense Applications

PACKAGE MATERIALS INFORMATION

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TAPE AND REEL INFORMATION



TAPE DIMENSIONS + K0 - P1 - B0 W Cavity - A0 -

A0	Dimension designed to accommodate the component width
В0	Dimension designed to accommodate the component length
K0	Dimension designed to accommodate the component thickness
W	Overall width of the carrier tape
P1	Pitch between successive cavity centers

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
SN74HC367DR	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
SN74HC367DRG4	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
SN74HC367NSR	SOP	NS	16	2000	330.0	16.4	8.45	10.55	2.5	12.0	16.2	Q1
SN74HC367NSR	SOP	NS	16	2000	330.0	16.4	8.1	10.4	2.5	12.0	16.0	Q1
SN74HC367PWR	TSSOP	PW	16	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1



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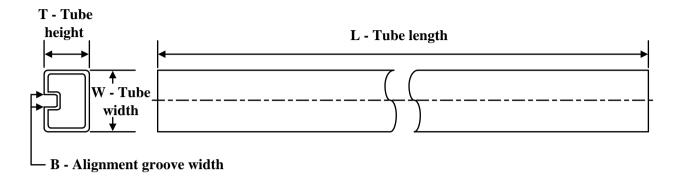
*All dimensions are nominal

7 III GIII IOI IOI IOI IOI III IOI							
Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
SN74HC367DR	SOIC	D	16	2500	353.0	353.0	32.0
SN74HC367DRG4	SOIC	D	16	2500	353.0	353.0	32.0
SN74HC367NSR	SOP	NS	16	2000	353.0	353.0	32.0
SN74HC367NSR	SOP	NS	16	2000	353.0	353.0	32.0
SN74HC367PWR	TSSOP	PW	16	2000	356.0	356.0	35.0

PACKAGE MATERIALS INFORMATION

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TUBE



*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (µm)	B (mm)
SN74HC367N	N	PDIP	16	25	506	13.97	11230	4.32
SN74HC367N	N	PDIP	16	25	506	13.97	11230	4.32
SN74HC367N.A	N	PDIP	16	25	506	13.97	11230	4.32
SN74HC367N.A	N	PDIP	16	25	506	13.97	11230	4.32

D (R-PDS0-G16)

PLASTIC SMALL OUTLINE



- A. All linear dimensions are in inches (millimeters).
- 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 0.006 (0,15) each side.
- Body width does not include interlead flash. Interlead flash shall not exceed 0.017 (0,43) each side.
- E. Reference JEDEC MS-012 variation AC.



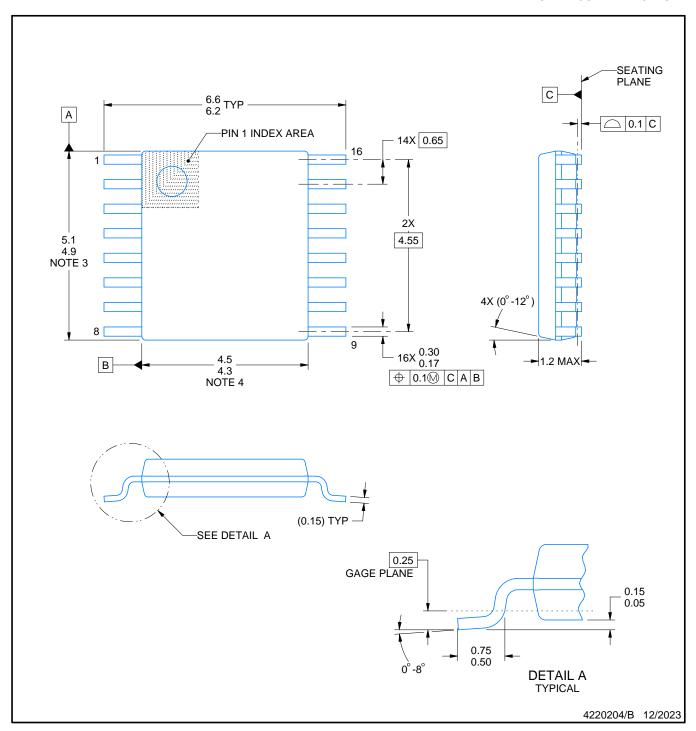
14 LEADS SHOWN



- 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.



SMALL OUTLINE PACKAGE



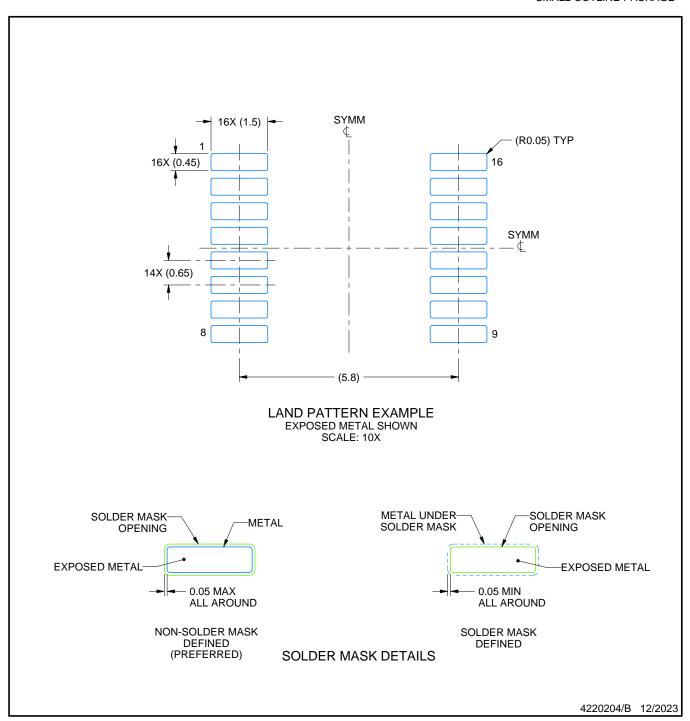
- 1. All linear dimensions are in millimeters. Any dimensions in parenthesis are for reference only. Dimensioning and tolerancing per ASME Y14.5M.

 2. This drawing is subject to change without notice.

 3. This dimension does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not
- exceed 0.15 mm per side.
- 4. This dimension does not include interlead flash. Interlead flash shall not exceed 0.25 mm per side.
- 5. Reference JEDEC registration MO-153.



SMALL OUTLINE PACKAGE

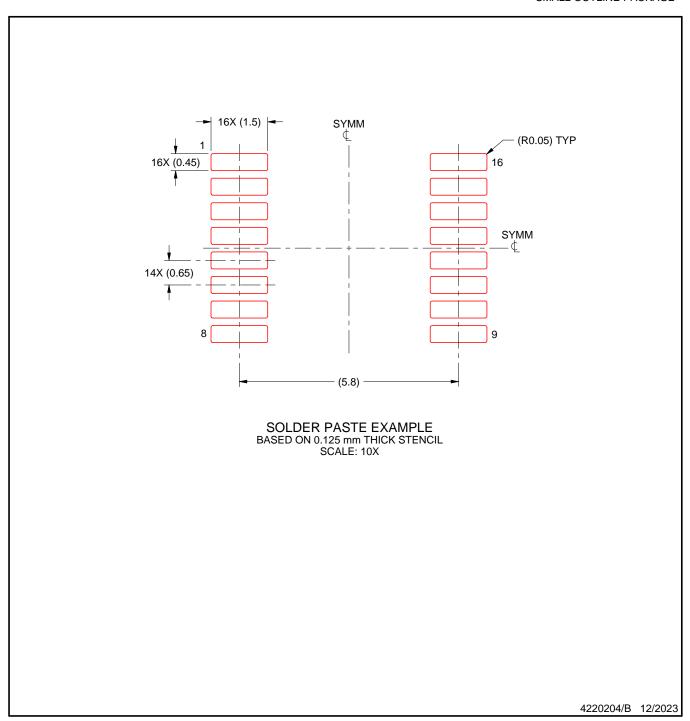


NOTES: (continued)

- 6. Publication IPC-7351 may have alternate designs.
- 7. Solder mask tolerances between and around signal pads can vary based on board fabrication site.



SMALL OUTLINE PACKAGE



NOTES: (continued)

- 8. Laser cutting apertures with trapezoidal walls and rounded corners may offer better paste release. IPC-7525 may have alternate design recommendations.
- 9. Board assembly site may have different recommendations for stencil design.



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN

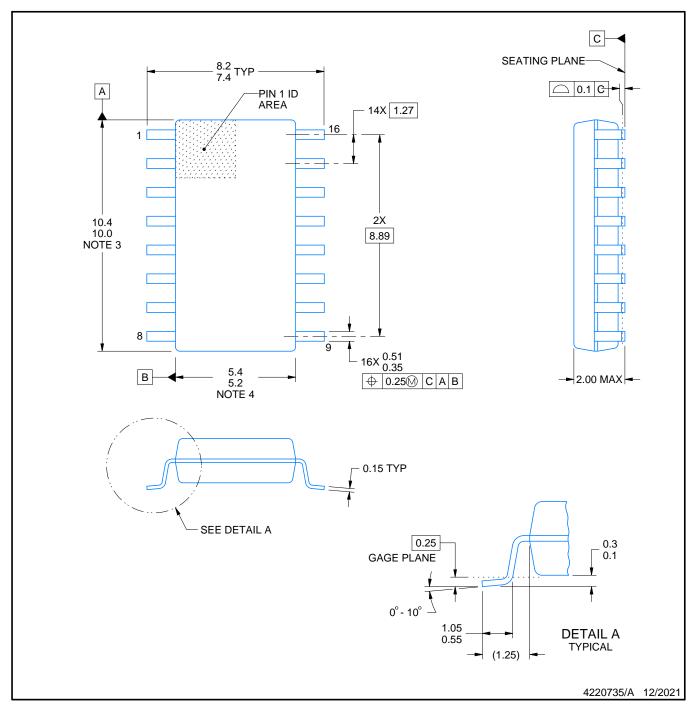


- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.





SOP



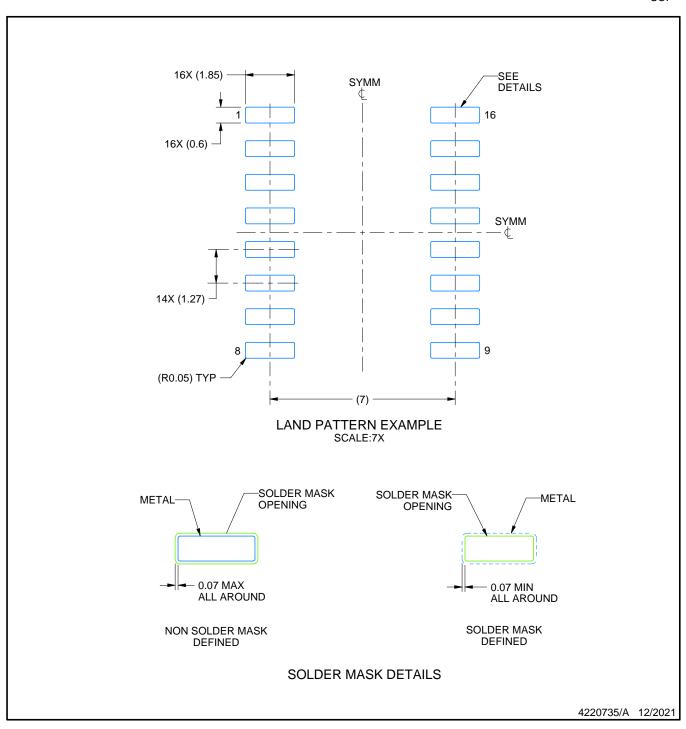
- 1. All linear dimensions are in millimeters. Dimensions in parenthesis are for reference only. Dimensioning and tolerancing
- per ASME Y14.5M.

 2. This drawing is subject to change without notice.

 3. This dimension does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed 0.15 mm, per side.
- 4. This dimension does not include interlead flash. Interlead flash shall not exceed 0.25 mm, per side.



SOF

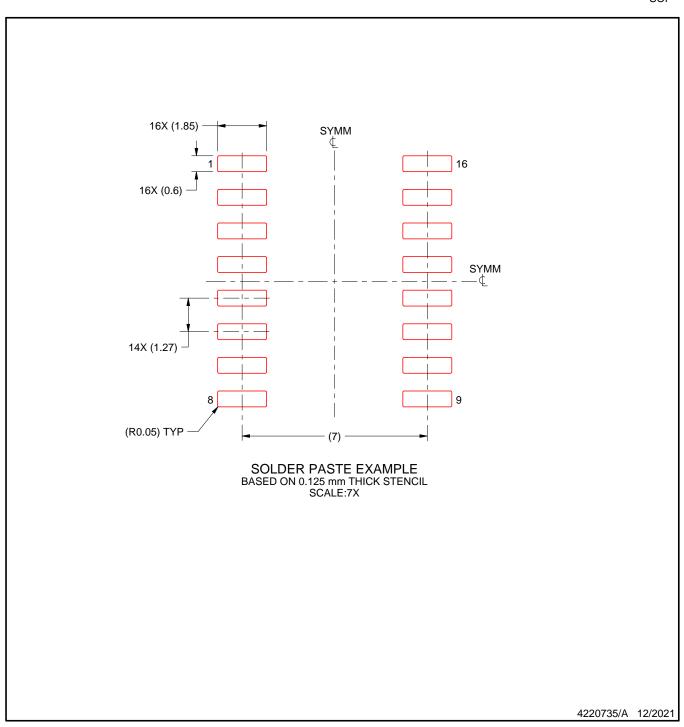


NOTES: (continued)

- 5. Publication IPC-7351 may have alternate designs.
- 6. Solder mask tolerances between and around signal pads can vary based on board fabrication site.



SOF



NOTES: (continued)

- 7. Laser cutting apertures with trapezoidal walls and rounded corners may offer better paste release. IPC-7525 may have alternate design recommendations.
- 8. Board assembly site may have different recommendations for stencil design.



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