SN54ABT373 ... J OR W PACKAGE SN74ABT373 ... DB, DW, N, OR PW PACKAGE

(TOD VIEW)

SCBS155D – JANUARY 1991 – REVISED MAY 1997

- State-of-the-Art *EPIC*-II*B*[™] BiCMOS Design Significantly Reduces Power Dissipation
- Latch-Up Performance Exceeds 500 mA Per JEDEC Standard JESD-17
- 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})
- Package Options Include Plastic Small-Outline (DW), Shrink Small-Outline (DB), and Thin Shrink Small-Outline (PW) Packages, Ceramic Chip Carriers (FK), Ceramic Flat (W) Package, and Plastic (N) and Ceramic (J) DIPs

description

The eight latches of the 'ABT373 are transparent D-type latches. While the latch-enable (LE) input is high, the Q outputs follow the data (D) inputs. When LE is taken low, the Q outputs are latched at the logic levels set up at the D inputs.

A buffered output-enable (\overline{OE}) input can be used to place the eight outputs in either a normal logic state (high or low logic levels) or a high-impedance state. In the high-impedance state, the outputs neither load nor drive the bus lines significantly. The high-impedance state and increased drive provide the capability to drive bus lines without need for interface or pullup components.

SN54ABT373 . . . FK PACKAGE (TOP VIEW)

	· ,	
	1 10 20 00 10 10 10 10 10 10 10 10 10 10 10 10	
2D	2 3	BD
2Q	5 17 7	'D
2D 2Q 3Q 3D 4D	6 16 7	′Q
3D	7 15 6	6Q
4D		6D
	A P B C A C A C A C A C A C A C A C A C A C	
	Ū.	

OE does not affect the internal operations of the latches. Old data can be retained or new data can be entered while the outputs are in the high-impedance state.

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.

The SN54ABT373 is characterized for operation over the full military temperature range of –55°C to 125°C. The SN74ABT373 is characterized for operation from –40°C to 85°C.

_	(each latch)												
	INPUTS	OUTPUT											
OE	LE	D	Q										
L	Н	Н	Н										
L	Н	L	L										
L	L	Х	Q ₀										
Н	Х	Х	Z										

FUNCTION TABLE



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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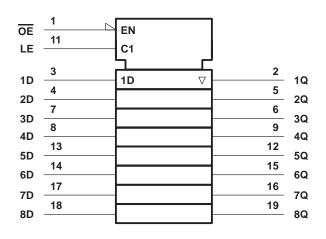
PRODUCTION DATA information is current as of publication date. Products conform to specifications per the terms of Texas Instruments standard warranty. Production processing does not necessarily include testing of all parameters.



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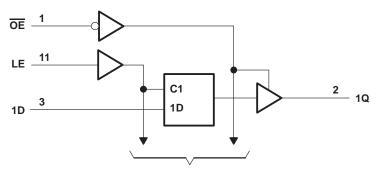
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logic symbol[†]



[†] This symbol is in accordance with ANSI/IEEE Std 91-1984 and IEC Publication 617-12.

logic diagram (positive logic)



To Seven Other Channels

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		–0.5 V to 7 V
Current into any output in the low state, IO: SN		
	N74ABT373	
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)	: DB package	115°C/W
	DW package	97°C/W
	N package	67°C/W
	PW package	128°C/W
Storage temperature range, T _{stg}		. –65°C to 150°C

[‡] 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 EIA/JEDEC Std JESD51, except for through-hole packages, which use a trace length of zero.



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recommended operating conditions (see Note 3)

			SN54A	BT373	SN74A	BT373	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	VCC	0	VCC	V
ЮН	High-level output current			-24		-32	mA
IOL	Low-level output current			48		64	mA
$\Delta t/\Delta v$	Input transition rise or fall rate	Outputs enabled		5		5	ns/V
ТА	Operating free-air temperature		-55	125	-40	85	°C

NOTE 3: Unused inputs must be held high or low to prevent them from floating.

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

DADAMETED		Т	A = 25°C)	SN54A	BT373	SN74A	BT373	UNIT		
PARAMETER		TEST CONDITION	15	MIN	TYP†	MAX	MIN	MAX	MIN	MAX	UNIT
VIK	V _{CC} = 4.5 V,	lj = -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
VOH		I _{OH} = -24 mA		2			2				V
	V _{CC} = 4.5 V	I _{OH} = -32 mA		2*					2		
						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
Ц	V _{CC} = 5.5 V,	$V_{I} = V_{CC} \text{ or } GND$)			±1		±1		±1	μΑ
IOZH	V _{CC} = 5.5 V,	V _O = 2.7 V			10‡		10‡		10‡	μΑ	
IOZL	V _{CC} = 5.5 V,	$V_{O} = 0.5 V$				-10‡		-10‡		-10‡	μA
loff	$V_{CC} = 0,$	VI or VO ≤ 4.5 V				±100				±100	μA
ICEX	V _{CC} = 5.5 V,	V _O = 5.5 V	Outputs high			50		50		50	μA
١ _O §	V _{CC} = 5.5 V,	V _O = 2.5 V		-50	-100	-180	-50	-180	-50	-180	mA
			Outputs high		1	250		250		250	μΑ
ICC	$V_{CC} = 5.5 V, I_{C}$ $V_{I} = V_{CC} \text{ or } G$		Outputs low		24	30		30		30	mA
			Outputs disabled		0.5	250		250		250	μΑ
∆ICC [¶]	V_{CC} = 5.5 V, One input at 3.4 V, Other inputs at V_{CC} or GND					1.5		1.5		1.5	mA
Ci	V _I = 2.5 V or 0.	.5 V			3						pF
Co	V _O = 2.5 V or (0.5 V			6						pF

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

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

[‡] This data sheet limit may vary among suppliers.

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

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



SN54ABT373, SN74ABT373 **OCTAL TRANSPARENT D-TYPE LATCHES** WITH 3-STATE OUTPUTS SCBS155D - JANUARY 1991 - REVISED MAY 1997

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

				SN54ABT373				
			V _{CC} T _A =	= 5 V, 25°C	MIN	MIN MAX		
			MIN	MAX	1			
tw	Pulse duration, LE high		3.3		3.3		ns	
+	Satura time, data bafara I E	High	2.2		2.5		ns	
t _{su}	Setup time, data before LE \downarrow	Low	2.2		2.5			
t _h	Hold time, data after LE \downarrow	High or low	2.2		2.5		ns	

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

		$V_{CC} = 5 V,$ $T_A = 25^{\circ}C$ MIN		МАХ	UNIT		
			MIN	MAX			
tw	Pulse duration, LE high		3.3		3.3		ns
		High	1.9		1.9		20
t _{su}	Setup time, data before LE \downarrow	Low	1.5		1.5	ns	
t _h	Hold time, data after LE \downarrow	High or low	1		1		ns



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switching characteristics over recommended ranges of supply voltage and operating free-air temperature, $C_L = 50 \text{ pF}$ (unless otherwise noted) (see Figure 1)

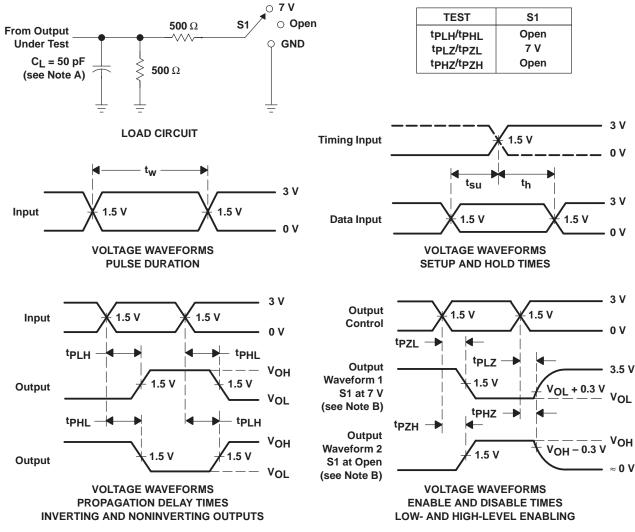
PARAMETER	FROM (INPUT)	TO (OUTPUT)	V(Tj	C = 5 V = 25°C	l, ;	MIN	MAX	UNIT
			MIN	TYP	MAX			
^t PLH	D	Q	1.9	3.9	5.4	1.3	6.8	ns
^t PHL	D	Q	2.2	4.2	5.7	2	7	115
^t PLH	LE	Q	2.2	4.6	6.1	1.8	7.7	ns
^t PHL	LL	Q	3.2	5.2	6.7	2.5	7.7	115
^t PZH	OE	Q	1.2	3.2	5.5	1	6.2	ns
tPZL	ÛE	Q	2	4.7	6.2	1.5	7.2	115
^t PHZ	OE	Q	2.5	4.9	6.4	2.4	8	ns
^t PLZ	UE	3	2	4.5	6	2	7	115

switching characteristics over recommended ranges of supply voltage and operating free-air temperature, $C_L = 50 \text{ pF}$ (unless otherwise noted) (see Figure 1)

PARAMETER	FROM (INPUT)	TO (OUTPUT)	۷c T	CC = 5 V A = 25°C	', ;	MIN	МАХ	UNIT
			MIN	TYP	MAX			
tPLH	D	Q	1.9	3.9	5.4	1.9	5.9	ns
^t PHL	D	C C	2.2	4.2	5.7	2.2	6.2	115
^t PLH	LE	Q	2.2	4.6	6.1	2.2	6.6	ns
^t PHL	LL	Q	3.2	5.2	6.7	3.2	7.2	115
^t PZH	OE	Q	1.2	3.2	4.7	1.2	5.2	ns
^t PZL	UE	Q	2.7	4.7	6.2	2.7	6.7	115
^t PHZ	OE	Q	2.5	4.9	6.4	2.5	6.9	ns
^t PLZ	UE	2	2	4.5	6	2	6.5	



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PARAMETER MEASUREMENT INFORMATION

NOTES: A. CL 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 10 MHz, Z_O = 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.

Figure 1. Load Circuit and Voltage Waveforms





PACKAGING INFORMATION

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead finish/ Ball material (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
5962-9321801Q2A	ACTIVE	LCCC	FK	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962- 9321801Q2A SNJ54ABT 373FK	Samples
5962-9321801QRA	ACTIVE	CDIP	J	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-9321801QR A SNJ54ABT373J	Samples
5962-9321801QSA	ACTIVE	CFP	W	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-9321801QS A SNJ54ABT373W	Samples
SN74ABT373DBR	ACTIVE	SSOP	DB	20	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	AB373	Samples
SN74ABT373DW	ACTIVE	SOIC	DW	20	25	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	ABT373	Samples
SN74ABT373DWR	ACTIVE	SOIC	DW	20	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	ABT373	Samples
SN74ABT373N	ACTIVE	PDIP	N	20	20	RoHS & Green	NIPDAU	N / A for Pkg Type	-40 to 85	SN74ABT373N	Samples
SN74ABT373NSR	ACTIVE	SO	NS	20	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	ABT373	Samples
SN74ABT373PW	ACTIVE	TSSOP	PW	20	70	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	AB373	Samples
SN74ABT373PWR	ACTIVE	TSSOP	PW	20	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-40 to 85	AB373	Samples
SNJ54ABT373FK	ACTIVE	LCCC	FK	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962- 9321801Q2A SNJ54ABT 373FK	Samples
SNJ54ABT373J	ACTIVE	CDIP	J	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-9321801QR A SNJ54ABT373J	Samples
SNJ54ABT373W	ACTIVE	CFP	W	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	5962-9321801QS A SNJ54ABT373W	Samples

⁽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.



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PACKAGE OPTION ADDENDUM

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⁾ RoHS: TI defines "RoHS" to mean semiconductor products that are compliant with the current EU RoHS requirements for all 10 RoHS substances, including the requirement that RoHS substance do not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, "RoHS" products are suitable for use in specified lead-free processes. TI may reference these types of products as "Pb-Free".

RoHS Exempt: TI defines "RoHS Exempt" to mean products that contain lead but are compliant with EU RoHS pursuant to a specific EU RoHS exemption.

Green: TI defines "Green" to mean the content of Chlorine (CI) and Bromine (Br) based flame retardants meet JS709B low halogen requirements of <=1000ppm threshold. Antimony trioxide based flame retardants must also meet the <=1000ppm threshold requirement.

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

⁽⁴⁾ There may be additional marking, which relates to the logo, the lot trace code information, or the environmental category on the device.

⁽⁵⁾ Multiple Device Markings will be inside parentheses. Only one Device Marking contained in parentheses and separated by a "~" will appear on a device. If a line is indented then it is a continuation of the previous line and the two combined represent the entire Device Marking for that device.

⁽⁶⁾ Lead finish/Ball material - Orderable Devices 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.

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OTHER QUALIFIED VERSIONS OF SN54ABT373, SN74ABT373 :

• Catalog : SN74ABT373

Military : SN54ABT373

NOTE: Qualified Version Definitions:

Catalog - TI's standard catalog product



• Military - QML certified for Military and Defense Applications

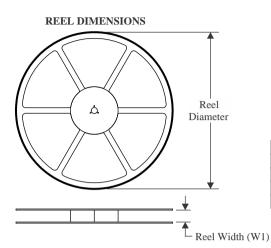


Texas

*All dimensions are nominal

STRUMENTS

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
SN74ABT373DBR	SSOP	DB	20	2000	330.0	16.4	8.2	7.5	2.5	12.0	16.0	Q1
SN74ABT373DWR	SOIC	DW	20	2000	330.0	24.4	10.8	13.3	2.7	12.0	24.0	Q1
SN74ABT373NSR	SO	NS	20	2000	330.0	24.4	8.4	13.0	2.5	12.0	24.0	Q1
SN74ABT373PWR	TSSOP	PW	20	2000	330.0	16.4	6.95	7.0	1.4	8.0	16.0	Q1



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PACKAGE MATERIALS INFORMATION

9-Aug-2022



*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
SN74ABT373DBR	SSOP	DB	20	2000	356.0	356.0	35.0
SN74ABT373DWR	SOIC	DW	20	2000	367.0	367.0	45.0
SN74ABT373NSR	SO	NS	20	2000	367.0	367.0	45.0
SN74ABT373PWR	TSSOP	PW	20	2000	356.0	356.0	35.0

TEXAS INSTRUMENTS

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TUBE



- B - Alignment groove width

*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	Τ (μm)	B (mm)
5962-9321801Q2A	FK	LCCC	20	1	506.98	12.06	2030	NA
5962-9321801QSA	W	CFP	20	1	506.98	26.16	6220	NA
SN74ABT373DW	DW	SOIC	20	25	507	12.83	5080	6.6
SN74ABT373N	N	PDIP	20	20	506	13.97	11230	4.32
SN74ABT373PW	PW	TSSOP	20	70	530	10.2	3600	3.5
SNJ54ABT373FK	FK	LCCC	20	1	506.98	12.06	2030	NA
SNJ54ABT373W	W	CFP	20	1	506.98	26.16	6220	NA

W (R-GDFP-F20)

CERAMIC DUAL FLATPACK



- NOTES: A. All linear dimensions are in inches (millimeters).
 - This drawing is subject to change without notice. В.
 - 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 GDFP2-F20



PW0020A



PACKAGE OUTLINE

TSSOP - 1.2 mm max height

SMALL OUTLINE PACKAGE



NOTES:

- 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.



PW0020A

EXAMPLE BOARD LAYOUT

TSSOP - 1.2 mm max height

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.



PW0020A

EXAMPLE STENCIL DESIGN

TSSOP - 1.2 mm max height

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.



LAND PATTERN DATA



NOTES: Α. All linear dimensions are in millimeters.

- B. This drawing is subject to change without notice.
 C. Publication IPC-7351 is recommended for alternate design.
- 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.



LEADLESS CERAMIC CHIP CARRIER

FK (S-CQCC-N**) 28 TERMINAL SHOWN



NOTES: 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 metal lid.
- D. Falls within JEDEC MS-004



DB0020A



PACKAGE OUTLINE

SSOP - 2 mm max height

SMALL OUTLINE PACKAGE



NOTES:

- 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-150.



DB0020A

EXAMPLE BOARD LAYOUT

SSOP - 2 mm max height

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.



DB0020A

EXAMPLE STENCIL DESIGN

SSOP - 2 mm max height

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.



MECHANICAL DATA

PLASTIC SMALL-OUTLINE PACKAGE

0,51 0,35 ⊕0,25⊛ 1,27 8 14 0,15 NOM 5,60 8,20 5,00 7,40 \bigcirc Gage Plane ₽ 0,25 7 1 1,05 0,55 0-10 Δ 0,15 0,05 Seating Plane — 2,00 MAX 0,10PINS ** 14 16 20 24 DIM 10,50 10,50 12,90 15,30 A MAX 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.



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.

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.



DW0020A



PACKAGE OUTLINE

SOIC - 2.65 mm max height

SOIC



NOTES:

- 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 0.43 mm per side.
- 5. Reference JEDEC registration MS-013.



DW0020A

EXAMPLE BOARD LAYOUT

SOIC - 2.65 mm max height

SOIC



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.



DW0020A

EXAMPLE STENCIL DESIGN

SOIC - 2.65 mm max height

SOIC



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.



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