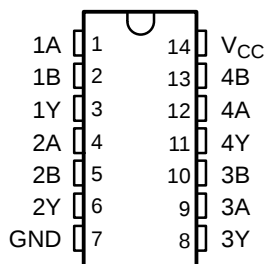


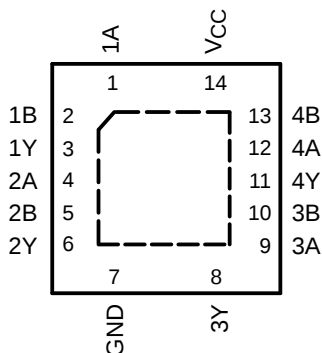
## FEATURES

- Operate From 1.65 V to 3.6 V
- Specified From  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$ ,  $-40^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ , and  $-55^{\circ}\text{C}$  to  $125^{\circ}\text{C}$
- Inputs Accept Voltages to 5.5 V
- Max  $t_{pd}$  of 4.3 ns at 3.3 V
- Typical  $V_{OLP}$  (Output Ground Bounce)  $<0.8\text{ V}$  at  $V_{CC} = 3.3\text{ V}$ ,  $T_A = 25^{\circ}\text{C}$
- Typical  $V_{OHV}$  (Output  $V_{OH}$  Undershoot)  $>2\text{ V}$  at  $V_{CC} = 3.3\text{ V}$ ,  $T_A = 25^{\circ}\text{C}$
- Latch-Up Performance Exceeds 250 mA Per JESD 17
- ESD Protection Exceeds JESD 22
  - 2000-V Human-Body Model (A114-A)
  - 200-V Machine Model (A115-A)
  - 1000-V Charged-Device Model (C101)

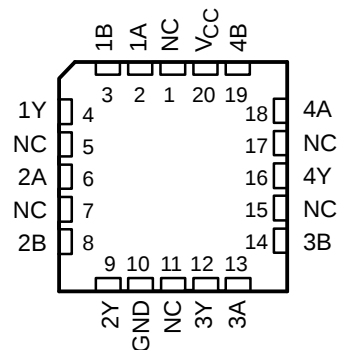
SN54LVC00A . . . J OR W PACKAGE  
SN74LVC00A . . . D, DB, NS, OR PW PACKAGE  
(TOP VIEW)



SN74LVC00A . . . RGY PACKAGE  
(TOP VIEW)



SN54LVC00A . . . FK PACKAGE  
(TOP VIEW)



NC - No internal connection

## DESCRIPTION/ORDERING INFORMATION

The SN54LVC00A quadruple 2-input positive-NAND gate is designed for 2.7-V to 3.6-V  $V_{CC}$  operation, and the SN74LVC00A quadruple 2-input positive-NAND gate is designed for 1.65-V to 3.6-V  $V_{CC}$  operation.

The 'LVC00A devices perform the Boolean function  $Y = \overline{A \bullet B}$  or  $Y = \overline{A} + \overline{B}$  in positive logic.

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



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.

# SN54LVC00A, SN74LVC00A QUADRUPL 2-INPUT POSITIVE-NAND GATES

SCAS279P–JANUARY 1993–REVISED JULY 2005

## ORDERING INFORMATION

| T <sub>A</sub> | PACKAGE (1) |              | ORDERABLE PART NUMBER | TOP-SIDE MARKING |
|----------------|-------------|--------------|-----------------------|------------------|
| –40°C to 85°C  | QFN – RGY   | Reel of 1000 | SN74LVC00ARGYR        | LC00A            |
| –40°C to 125°C | SOIC – D    | Tube of 50   | SN74LVC00AD           | LVC00A           |
|                |             | Reel of 2500 | SN74LVC00ADR          |                  |
|                |             | Reel of 250  | SN74LVC00ADT          |                  |
|                | SOP – NS    | Reel of 2000 | SN74LVC00ANSR         | LVC00A           |
|                | SSOP – DB   | Reel of 2000 | SN74LVC00ADBR         | LC00A            |
|                | TSSOP – PW  | Tube of 90   | SN74LVC00APW          | LC00A            |
|                |             | Reel of 2000 | SN74LVC00APWR         |                  |
|                |             | Reel of 250  | SN74LVC00APWT         |                  |
| –55°C to 125°C | CDIP – J    | Tube of 25   | SNJ54LVC00AJ          | SNJ54LVC00AJ     |
|                | CFP – W     | Tube of 150  | SNJ54LVC00AW          | SNJ54LVC00AW     |
|                | LCCC – FK   | Tube of 55   | SNJ54LVC00AFK         | SNJ54LVC00AFK    |

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

## FUNCTION TABLE (EACH GATE)

| INPUTS |   | OUTPUT<br>Y |
|--------|---|-------------|
| A      | B |             |
| H      | H | L           |
| L      | X | H           |
| X      | L | H           |

## LOGIC DIAGRAM, EACH GATE (POSITIVE LOGIC)



**Absolute Maximum Ratings<sup>(1)</sup>**

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

|                  |                                        |                                 | MIN  | MAX                   | UNIT |
|------------------|----------------------------------------|---------------------------------|------|-----------------------|------|
| V <sub>CC</sub>  | Supply voltage range                   |                                 | –0.5 | 6.5                   | V    |
| V <sub>I</sub>   | Input voltage range <sup>(2)</sup>     |                                 | –0.5 | 6.5                   | V    |
| V <sub>O</sub>   | Output voltage range <sup>(2)(3)</sup> |                                 | –0.5 | V <sub>CC</sub> + 0.5 | V    |
| I <sub>IK</sub>  | Input clamp current                    | V <sub>I</sub> < 0              |      | –50                   | mA   |
| I <sub>OK</sub>  | Output clamp current                   | V <sub>O</sub> < 0              |      | –50                   | mA   |
| I <sub>O</sub>   | Continuous output current              |                                 |      | ±50                   | mA   |
| V <sub>CC</sub>  | Continuous current through GND         |                                 |      | ±100                  | mA   |
| θ <sub>JA</sub>  | Package thermal impedance              | D package <sup>(4)</sup>        |      | 86                    | °C/W |
|                  |                                        | DB package <sup>(4)</sup>       |      | 96                    |      |
|                  |                                        | NS package <sup>(4)</sup>       |      | 76                    |      |
|                  |                                        | PW package <sup>(4)</sup>       |      | 113                   |      |
|                  |                                        | RGY package <sup>(5)</sup>      |      | 47                    |      |
| T <sub>stg</sub> | Storage temperature range              |                                 | –65  | 150                   | °C   |
| P <sub>tot</sub> | Power dissipation <sup>(6)(7)</sup>    | T <sub>A</sub> = –40°C to 125°C |      | 500                   | mW   |

(1) Stresses beyond those listed under "absolute maximum ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.

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

(3) The value of V<sub>CC</sub> is provided in the recommended operating conditions table.

(4) The package thermal impedance is calculated in accordance with JESD 51-7.

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

(6) For the D package: above 70°C, the value of P<sub>tot</sub> derates linearly with 8 mW/K.

(7) For the DB, NS, and PW packages: above 60°C, the value of P<sub>tot</sub> derates linearly with 5.5 mW/K.

# SN54LVC00A, SN74LVC00A

## QUADRUPLE 2-INPUT POSITIVE-NAND GATES

SCAS279P–JANUARY 1993–REVISED JULY 2005

### Recommended Operating Conditions<sup>(1)</sup>

|                 |                           |                                  | SN54LVC00A     |                 | UNIT |
|-----------------|---------------------------|----------------------------------|----------------|-----------------|------|
|                 |                           |                                  | –55°C to 125°C |                 |      |
|                 |                           |                                  | MIN            | MAX             |      |
| V <sub>CC</sub> | Supply voltage            | Operating                        | 2              | 3.6             | V    |
|                 |                           | Data retention only              | 1.5            |                 |      |
| V <sub>IH</sub> | High-level input voltage  | V <sub>CC</sub> = 2.7 V to 3.6 V | 2              |                 | V    |
| V <sub>IL</sub> | Low-level input voltage   | V <sub>CC</sub> = 2.7 V to 3.6 V |                | 0.8             | V    |
| V <sub>I</sub>  | Input voltage             |                                  | 0              | 5.5             | V    |
| V <sub>O</sub>  | Output voltage            |                                  | 0              | V <sub>CC</sub> | V    |
| I <sub>OH</sub> | High-level output current | V <sub>CC</sub> = 2.7 V          | –12            |                 | mA   |
|                 |                           | V <sub>CC</sub> = 3 V            | –24            |                 |      |
| I <sub>OL</sub> | Low-level output current  | V <sub>CC</sub> = 2.7 V          | 12             |                 | mA   |
|                 |                           | V <sub>CC</sub> = 3 V            | 24             |                 |      |

(1) 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.

### Recommended Operating Conditions<sup>(1)</sup>

|                 |                           |                                    | SN74LVC00A             |                 |                        |                 |                        |                 | UNIT |
|-----------------|---------------------------|------------------------------------|------------------------|-----------------|------------------------|-----------------|------------------------|-----------------|------|
|                 |                           |                                    | T <sub>A</sub> = 25°C  |                 | –40°C to 85°C          |                 | –40°C to 125°C         |                 |      |
|                 |                           |                                    | MIN                    | MAX             | MIN                    | MAX             | MIN                    | MAX             |      |
| V <sub>CC</sub> | Supply voltage            | Operating                          | 1.65                   | 3.6             | 1.65                   | 3.6             | 1.65                   | 3.6             | V    |
|                 |                           | Data retention only                | 1.5                    |                 | 1.5                    |                 | 1.5                    |                 |      |
| V <sub>IH</sub> | High-level input voltage  | V <sub>CC</sub> = 1.65 V to 1.95 V | 0.65 × V <sub>CC</sub> |                 | 0.65 × V <sub>CC</sub> |                 | 0.65 × V <sub>CC</sub> |                 | V    |
|                 |                           | V <sub>CC</sub> = 2.3 V to 2.7 V   | 1.7                    |                 | 1.7                    |                 | 1.7                    |                 |      |
|                 |                           | V <sub>CC</sub> = 2.7 V to 3.6 V   | 2                      |                 | 2                      |                 | 2                      |                 |      |
| V <sub>IL</sub> | Low-level input voltage   | V <sub>CC</sub> = 1.65 V to 1.95 V | 0.35 × V <sub>CC</sub> |                 | 0.35 × V <sub>CC</sub> |                 | 0.35 × V <sub>CC</sub> |                 | V    |
|                 |                           | V <sub>CC</sub> = 2.3 V to 2.7 V   | 0.7                    |                 | 0.7                    |                 | 0.7                    |                 |      |
|                 |                           | V <sub>CC</sub> = 2.7 V to 3.6 V   | 0.8                    |                 | 0.8                    |                 | 0.8                    |                 |      |
| V <sub>I</sub>  | Input voltage             |                                    | 0                      | 5.5             | 0                      | 5.5             | 0                      | 5.5             | V    |
| V <sub>O</sub>  | Output voltage            |                                    | 0                      | V <sub>CC</sub> | 0                      | V <sub>CC</sub> | 0                      | V <sub>CC</sub> | V    |
| I <sub>OH</sub> | High-level output current | V <sub>CC</sub> = 1.65 V           |                        | –4              |                        | –4              |                        | –4              | mA   |
|                 |                           | V <sub>CC</sub> = 2.3 V            |                        | –8              |                        | –8              |                        | –8              |      |
|                 |                           | V <sub>CC</sub> = 2.7 V            |                        | –12             |                        | –12             |                        | –12             |      |
|                 |                           | V <sub>CC</sub> = 3 V              |                        | –24             |                        | –24             |                        | –24             |      |
| I <sub>OL</sub> | Low-level output current  | V <sub>CC</sub> = 1.65 V           |                        | 4               |                        | 4               |                        | 4               | mA   |
|                 |                           | V <sub>CC</sub> = 2.3 V            |                        | 8               |                        | 8               |                        | 8               |      |
|                 |                           | V <sub>CC</sub> = 2.7 V            |                        | 12              |                        | 12              |                        | 12              |      |
|                 |                           | V <sub>CC</sub> = 3 V              |                        | 24              |                        | 24              |                        | 24              |      |

(1) 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                                                              | V <sub>CC</sub> | SN54LVC00A            |     | UNIT |
|------------------|------------------------------------------------------------------------------|-----------------|-----------------------|-----|------|
|                  |                                                                              |                 | –55°C to 125°C        |     |      |
|                  |                                                                              |                 | MIN                   | MAX |      |
| V <sub>OH</sub>  | I <sub>OH</sub> = –100 μA                                                    | 2.7 V to 3.6 V  | V <sub>CC</sub> – 0.2 |     | V    |
|                  | I <sub>OH</sub> = –12 mA                                                     | 2.7 V           | 2.2                   |     |      |
|                  |                                                                              | 3 V             | 2.4                   |     |      |
|                  | I <sub>OH</sub> = –24 mA                                                     | 3 V             | 2.2                   |     |      |
| V <sub>OL</sub>  | I <sub>OL</sub> = 100 μA                                                     | 2.7 V to 3.6 V  | 0.2                   |     | V    |
|                  | I <sub>OL</sub> = 12 mA                                                      | 2.7 V           | 0.4                   |     |      |
|                  | I <sub>OL</sub> = 24 mA                                                      | 3 V             | 0.55                  |     |      |
| I <sub>I</sub>   | V <sub>I</sub> = 5.5 V or GND                                                | 3.6 V           | ±5                    |     | μA   |
| I <sub>CC</sub>  | V <sub>I</sub> = V <sub>CC</sub> or GND, I <sub>O</sub> = 0                  | 3.6 V           | 10                    |     | μA   |
| ΔI <sub>CC</sub> | One input at V <sub>CC</sub> – 0.6 V, Other inputs at V <sub>CC</sub> or GND | 2.7 V to 3.6 V  | 500                   |     | μA   |

## Electrical Characteristics

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

| PARAMETER                | TEST CONDITIONS                                                                       | V <sub>CC</sub> | SN74LVC00A            |     |     |                       |     |                       | UNIT |     |
|--------------------------|---------------------------------------------------------------------------------------|-----------------|-----------------------|-----|-----|-----------------------|-----|-----------------------|------|-----|
|                          |                                                                                       |                 | T <sub>A</sub> = 25°C |     |     | –40°C to 85°C         |     | –40°C to 125°C        |      |     |
|                          |                                                                                       |                 | MIN                   | TYP | MAX | MIN                   | MAX | MIN                   |      | MAX |
| V <sub>OH</sub>          | I <sub>OH</sub> = –100 μA                                                             | 1.65 V to 3.6 V | V <sub>CC</sub> – 0.2 |     |     | V <sub>CC</sub> – 0.2 |     | V <sub>CC</sub> – 0.3 |      | V   |
|                          | I <sub>OH</sub> = –4 mA                                                               | 1.65 V          | 1.29                  |     |     | 1.2                   |     | 1.05                  |      |     |
|                          | I <sub>OH</sub> = –8 mA                                                               | 2.3 V           | 1.9                   |     |     | 1.7                   |     | 1.55                  |      |     |
|                          | I <sub>OH</sub> = –12 mA                                                              | 2.7 V           | 2.2                   |     |     | 2.2                   |     | 2.05                  |      |     |
|                          |                                                                                       | 3 V             | 2.4                   |     |     | 2.4                   |     | 2.25                  |      |     |
| I <sub>OH</sub> = –24 mA | 3 V                                                                                   | 2.3             |                       |     | 2.2 |                       | 2   |                       |      |     |
| V <sub>OL</sub>          | I <sub>OL</sub> = 100 μA                                                              | 1.65 V to 3.6 V | 0.1                   |     |     | 0.2                   |     | 0.3                   |      | V   |
|                          | I <sub>OL</sub> = 4 mA                                                                | 1.65 V          | 0.24                  |     |     | 0.45                  |     | 0.6                   |      |     |
|                          | I <sub>OL</sub> = 8 mA                                                                | 2.3 V           | 0.3                   |     |     | 0.7                   |     | 0.85                  |      |     |
|                          | I <sub>OL</sub> = 12 mA                                                               | 2.7 V           | 0.4                   |     |     | 0.4                   |     | 0.6                   |      |     |
|                          | I <sub>OL</sub> = 24 mA                                                               | 3 V             | 0.55                  |     |     | 0.55                  |     | 0.8                   |      |     |
| I <sub>I</sub>           | V <sub>I</sub> = 5.5 V or GND                                                         | 3.6 V           | ±1                    |     |     | ±5                    |     | ±20                   |      | μA  |
| I <sub>CC</sub>          | V <sub>I</sub> = V <sub>CC</sub> or GND,<br>I <sub>O</sub> = 0                        | 3.6 V           | 1                     |     |     | 10                    |     | 40                    |      | μA  |
| ΔI <sub>CC</sub>         | One input at<br>V <sub>CC</sub> – 0.6 V,<br>Other inputs at<br>V <sub>CC</sub> or GND | 2.7 V to 3.6 V  | 500                   |     |     | 500                   |     | 5000                  |      | μA  |
| C <sub>i</sub>           | V <sub>I</sub> = V <sub>CC</sub> or GND                                               | 3.3 V           | 5                     |     |     |                       |     |                       |      | pF  |

# SN54LVC00A, SN74LVC00A QUADRUPLE 2-INPUT POSITIVE-NAND GATES

SCAS279P–JANUARY 1993–REVISED JULY 2005

## Switching Characteristics

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

| PARAMETER       | FROM<br>(INPUT) | TO<br>(OUTPUT) | V <sub>CC</sub> | SN54LVC00A     |     | UNIT |
|-----------------|-----------------|----------------|-----------------|----------------|-----|------|
|                 |                 |                |                 | –55°C to 125°C |     |      |
|                 |                 |                |                 | MIN            | MAX |      |
| t <sub>pd</sub> | A or B          | Y              | 2.7 V           | 5.1            |     | ns   |
|                 |                 |                | 3.3 V ± 0.3 V   | 1              | 4.3 |      |

## Switching Characteristics

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

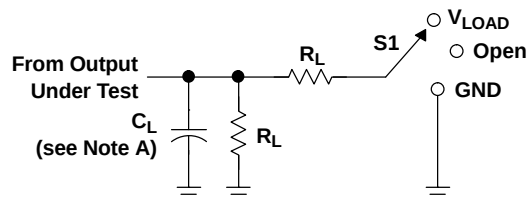
| PARAMETER          | FROM<br>(INPUT) | TO<br>(OUTPUT) | V <sub>CC</sub> | SN74LVC00A            |     |     |               |      |                | UNIT |     |
|--------------------|-----------------|----------------|-----------------|-----------------------|-----|-----|---------------|------|----------------|------|-----|
|                    |                 |                |                 | T <sub>A</sub> = 25°C |     |     | −40°C to 85°C |      | −40°C to 125°C |      |     |
|                    |                 |                |                 | MIN                   | TYP | MAX | MIN           | MAX  | MIN            |      | MAX |
| t <sub>pd</sub>    | A or B          | Y              | 1.8 V ± 0.15 V  | 1                     | 6   | 12  | 1             | 12.5 | 1              | 14   | ns  |
|                    |                 |                | 2.5 V ± 0.2 V   | 1                     | 4.6 | 5.9 | 1             | 6.4  | 1              | 7.9  |     |
|                    |                 |                | 2.7 V           | 1                     | 4.3 | 4.9 | 1             | 5.1  | 1              | 6.5  |     |
|                    |                 |                | 3.3 V ± 0.3 V   | 1                     | 3.5 | 4.1 | 1             | 4.3  | 1              | 5.5  |     |
| t <sub>sk(o)</sub> |                 |                | 3.3 V ± 0.3 V   |                       |     |     | 1             |      | 1.5            |      | ns  |

## Operating Characteristics

T<sub>A</sub> = 25°C

| PARAMETER       |                                        | TEST CONDITIONS | V <sub>CC</sub> | TYP | UNIT |
|-----------------|----------------------------------------|-----------------|-----------------|-----|------|
| C <sub>pd</sub> | Power dissipation capacitance per gate | f = 10 MHz      | 1.8 V           | 18  | pF   |
|                 |                                        |                 | 2.5 V           | 18  |      |
|                 |                                        |                 | 3.3 V           | 19  |      |

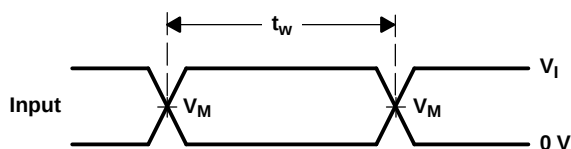
## PARAMETER MEASUREMENT INFORMATION



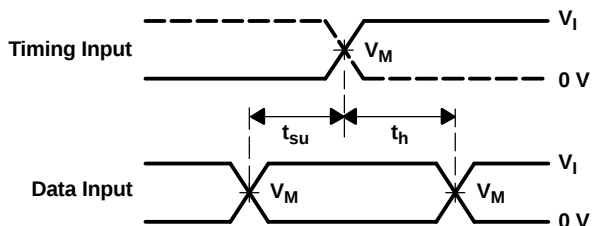
LOAD CIRCUIT

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

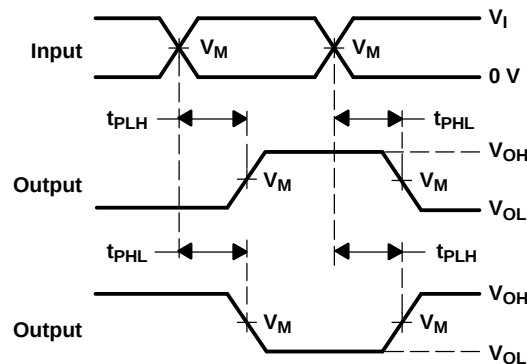
| $V_{CC}$                         | INPUTS   |                      | $V_M$      | $V_{LOAD}$        | $C_L$ | $R_L$        | $V_{\Delta}$ |
|----------------------------------|----------|----------------------|------------|-------------------|-------|--------------|--------------|
|               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



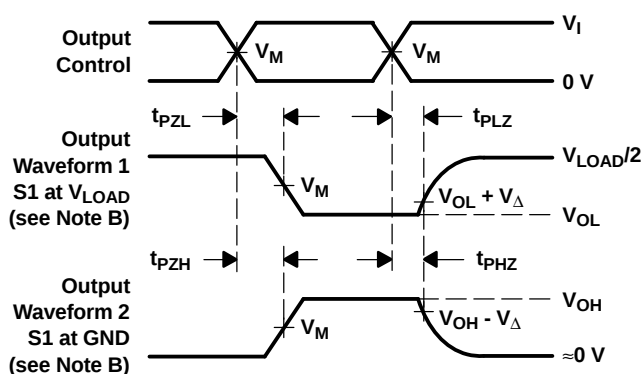
VOLTAGE WAVEFORMS  
PULSE DURATION



VOLTAGE WAVEFORMS  
SETUP AND HOLD TIMES



VOLTAGE WAVEFORMS  
PROPAGATION DELAY TIMES  
INVERTING AND NONINVERTING OUTPUTS



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

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

Figure 1. Load Circuit and Voltage Waveforms

**PACKAGING INFORMATION**

| Orderable Device | Status <sup>(1)</sup> | Package Type | Package Drawing | Pins | Package Qty | Eco Plan <sup>(2)</sup>    | Lead/<br>Ball Finish | MSL Peak Temp <sup>(3)</sup> | Samples<br>(Requires Login) |
|------------------|-----------------------|--------------|-----------------|------|-------------|----------------------------|----------------------|------------------------------|-----------------------------|
| 5962-9753301Q2A  | ACTIVE                | LCCC         | FK              | 20   | 1           | TBD                        | Call TI              | Call TI                      |                             |
| 5962-9753301QCA  | ACTIVE                | CDIP         | J               | 14   | 1           | TBD                        | Call TI              | Call TI                      |                             |
| 5962-9753301QDA  | ACTIVE                | CFP          | W               | 14   | 1           | TBD                        | Call TI              | Call TI                      |                             |
| 5962-9753301V2A  | ACTIVE                | LCCC         | FK              | 20   | 1           | TBD                        | POST-PLATE           | N / A for Pkg Type           |                             |
| 5962-9753301VCA  | ACTIVE                | CDIP         | J               | 14   | 25          | TBD                        | A42                  | N / A for Pkg Type           |                             |
| 5962-9753301VDA  | ACTIVE                | CFP          | W               | 14   | 1           | TBD                        | A42                  | N / A for Pkg Type           |                             |
| SN74LVC00AD      | ACTIVE                | SOIC         | D               | 14   | 50          | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADBLE   | OBSOLETE              | SSOP         | DB              | 14   |             | TBD                        | Call TI              | Call TI                      |                             |
| SN74LVC00ADBR    | ACTIVE                | SSOP         | DB              | 14   | 2000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADBRE4  | ACTIVE                | SSOP         | DB              | 14   | 2000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADBRG4  | ACTIVE                | SSOP         | DB              | 14   | 2000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADE4    | ACTIVE                | SOIC         | D               | 14   | 50          | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADG4    | ACTIVE                | SOIC         | D               | 14   | 50          | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADR     | ACTIVE                | SOIC         | D               | 14   | 2500        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADRE4   | ACTIVE                | SOIC         | D               | 14   | 2500        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADRG4   | ACTIVE                | SOIC         | D               | 14   | 2500        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADT     | ACTIVE                | SOIC         | D               | 14   | 250         | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADTE4   | ACTIVE                | SOIC         | D               | 14   | 250         | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ADTG4   | ACTIVE                | SOIC         | D               | 14   | 250         | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ANSR    | ACTIVE                | SO           | NS              | 14   | 2000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |

| Orderable Device | Status <sup>(1)</sup> | Package Type | Package Drawing | Pins | Package Qty | Eco Plan <sup>(2)</sup>    | Lead/<br>Ball Finish | MSL Peak Temp <sup>(3)</sup> | Samples<br>(Requires Login) |
|------------------|-----------------------|--------------|-----------------|------|-------------|----------------------------|----------------------|------------------------------|-----------------------------|
| SN74LVC00ANSRG4  | ACTIVE                | SO           | NS              | 14   | 2000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00APW     | ACTIVE                | TSSOP        | PW              | 14   | 90          | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00APWE4   | ACTIVE                | TSSOP        | PW              | 14   | 90          | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00APWG4   | ACTIVE                | TSSOP        | PW              | 14   | 90          | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00APWLE   | OBSOLETE              | TSSOP        | PW              | 14   |             | TBD                        | Call TI              | Call TI                      |                             |
| SN74LVC00APWR    | ACTIVE                | TSSOP        | PW              | 14   | 2000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00APWRE4  | ACTIVE                | TSSOP        | PW              | 14   | 2000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00APWRG3  | PREVIEW               | TSSOP        | PW              | 14   | 2000        | TBD                        | Call TI              | Call TI                      |                             |
| SN74LVC00APWRG4  | ACTIVE                | TSSOP        | PW              | 14   | 2000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00APWT    | ACTIVE                | TSSOP        | PW              | 14   | 250         | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00APWTE4  | ACTIVE                | TSSOP        | PW              | 14   | 250         | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00APWTG4  | ACTIVE                | TSSOP        | PW              | 14   | 250         | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-1-260C-UNLIM           |                             |
| SN74LVC00ARGYR   | ACTIVE                | VQFN         | RGY             | 14   | 3000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-2-260C-1 YEAR          |                             |
| SN74LVC00ARGYRG4 | ACTIVE                | VQFN         | RGY             | 14   | 3000        | Green (RoHS<br>& no Sb/Br) | CU NIPDAU            | Level-2-260C-1 YEAR          |                             |
| SNJ54LVC00AFK    | ACTIVE                | LCCC         | FK              | 20   | 1           | TBD                        | POST-PLATE           | N / A for Pkg Type           |                             |
| SNJ54LVC00AJ     | ACTIVE                | CDIP         | J               | 14   | 1           | TBD                        | A42                  | N / A for Pkg Type           |                             |
| SNJ54LVC00AW     | 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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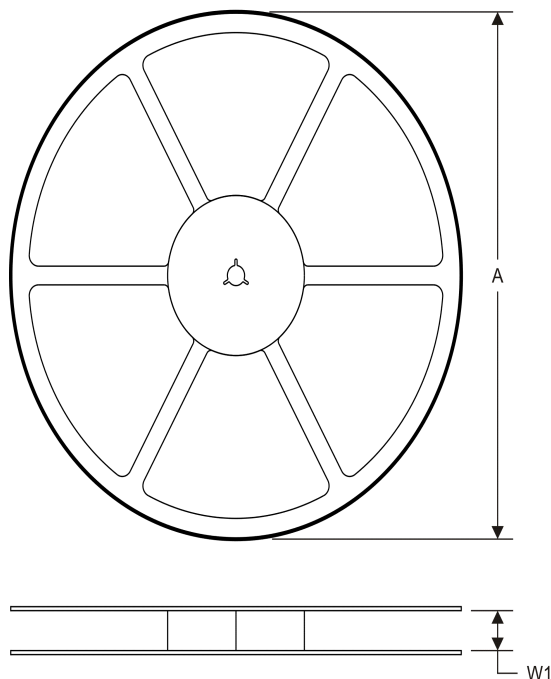
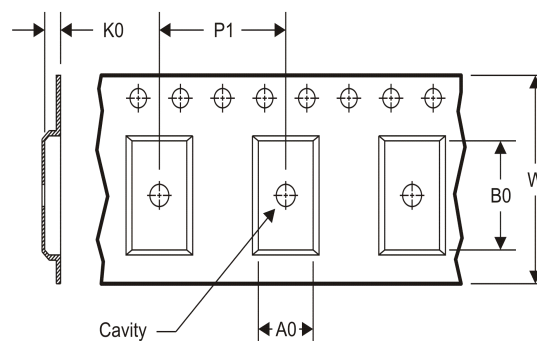
**OTHER QUALIFIED VERSIONS OF SN54LVC00A, SN54LVC00A-SP, SN74LVC00A :**

- Catalog: [SN74LVC00A](#), [SN54LVC00A](#)
- Automotive: [SN74LVC00A-Q1](#), [SN74LVC00A-Q1](#)
- Enhanced Product: [SN74LVC00A-EP](#), [SN74LVC00A-EP](#)
- Military: [SN54LVC00A](#)
- Space: [SN54LVC00A-SP](#)

NOTE: Qualified Version Definitions:

- Catalog - TI's standard catalog product
- Automotive - Q100 devices qualified for high-reliability automotive applications targeting zero defects
- Enhanced Product - Supports Defense, Aerospace and Medical Applications

- 
- Military - QML certified for Military and Defense Applications
  - Space - Radiation tolerant, ceramic packaging and qualified for use in Space-based application

**TAPE AND REEL INFORMATION**
**REEL DIMENSIONS**

**TAPE DIMENSIONS**


|    |                                                           |
|----|-----------------------------------------------------------|
| A0 | Dimension designed to accommodate the component width     |
| B0 | 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                   |

**TAPE AND REEL INFORMATION**

\*All dimensions are nominal

| Device          | Package Type | Package Drawing | Pins | SPQ  | Reel Diameter (mm) | Reel Width W1 (mm) | A0 (mm) | B0 (mm) | K0 (mm) | P1 (mm) | W (mm) | Pin1 Quadrant |
|-----------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| SN74LVC00ADBR   | SSOP         | DB              | 14   | 2000 | 330.0              | 16.4               | 8.2     | 6.6     | 2.5     | 12.0    | 16.0   | Q1            |
| SN74LVC00ADR    | SOIC         | D               | 14   | 2500 | 330.0              | 16.4               | 6.5     | 9.0     | 2.1     | 8.0     | 16.0   | Q1            |
| SN74LVC00ADR    | SOIC         | D               | 14   | 2500 | 330.0              | 16.4               | 6.5     | 9.0     | 2.1     | 8.0     | 16.0   | Q1            |
| SN74LVC00ADT    | SOIC         | D               | 14   | 250  | 330.0              | 16.4               | 6.5     | 9.0     | 2.1     | 8.0     | 16.0   | Q1            |
| SN74LVC00ANSR   | SO           | NS              | 14   | 2000 | 330.0              | 16.4               | 8.2     | 10.5    | 2.5     | 12.0    | 16.0   | Q1            |
| SN74LVC00APWR   | TSSOP        | PW              | 14   | 2000 | 330.0              | 12.4               | 7.0     | 5.6     | 1.6     | 8.0     | 12.0   | Q1            |
| SN74LVC00APWR   | TSSOP        | PW              | 14   | 2000 | 330.0              | 12.4               | 6.9     | 5.6     | 1.6     | 8.0     | 12.0   | Q1            |
| SN74LVC00APWRG4 | TSSOP        | PW              | 14   | 2000 | 330.0              | 12.4               | 6.9     | 5.6     | 1.6     | 8.0     | 12.0   | Q1            |
| SN74LVC00APWT   | TSSOP        | PW              | 14   | 250  | 330.0              | 12.4               | 6.9     | 5.6     | 1.6     | 8.0     | 12.0   | Q1            |
| SN74LVC00ARGYR  | VQFN         | RGY             | 14   | 3000 | 330.0              | 12.4               | 3.75    | 3.75    | 1.15    | 8.0     | 12.0   | Q1            |

## TAPE AND REEL BOX DIMENSIONS



\*All dimensions are nominal

| Device          | Package Type | Package Drawing | Pins | SPQ  | Length (mm) | Width (mm) | Height (mm) |
|-----------------|--------------|-----------------|------|------|-------------|------------|-------------|
| SN74LVC00ADBR   | SSOP         | DB              | 14   | 2000 | 367.0       | 367.0      | 38.0        |
| SN74LVC00ADR    | SOIC         | D               | 14   | 2500 | 333.2       | 345.9      | 28.6        |
| SN74LVC00ADR    | SOIC         | D               | 14   | 2500 | 367.0       | 367.0      | 38.0        |
| SN74LVC00ADT    | SOIC         | D               | 14   | 250  | 367.0       | 367.0      | 38.0        |
| SN74LVC00ANSR   | SO           | NS              | 14   | 2000 | 367.0       | 367.0      | 38.0        |
| SN74LVC00APWR   | TSSOP        | PW              | 14   | 2000 | 364.0       | 364.0      | 27.0        |
| SN74LVC00APWR   | TSSOP        | PW              | 14   | 2000 | 367.0       | 367.0      | 35.0        |
| SN74LVC00APWRG4 | TSSOP        | PW              | 14   | 2000 | 367.0       | 367.0      | 35.0        |
| SN74LVC00APWT   | TSSOP        | PW              | 14   | 250  | 367.0       | 367.0      | 35.0        |
| SN74LVC00ARGYR  | VQFN         | RGY             | 14   | 3000 | 367.0       | 367.0      | 35.0        |

J (R-GDIP-T\*\*)

14 LEADS SHOWN

# CERAMIC DUAL IN-LINE PACKAGE



| PINS **<br>DIM | 14                     | 16                     | 18                     | 20                     |
|----------------|------------------------|------------------------|------------------------|------------------------|
| A              | 0.300<br>(7,62)<br>BSC | 0.300<br>(7,62)<br>BSC | 0.300<br>(7,62)<br>BSC | 0.300<br>(7,62)<br>BSC |
| B MAX          | 0.785<br>(19,94)       | .840<br>(21,34)        | 0.960<br>(24,38)       | 1.060<br>(26,92)       |
| B MIN          | —                      | —                      | —                      | —                      |
| C MAX          | 0.300<br>(7,62)        | 0.300<br>(7,62)        | 0.310<br>(7,87)        | 0.300<br>(7,62)        |
| C MIN          | 0.245<br>(6,22)        | 0.245<br>(6,22)        | 0.220<br>(5,59)        | 0.245<br>(6,22)        |

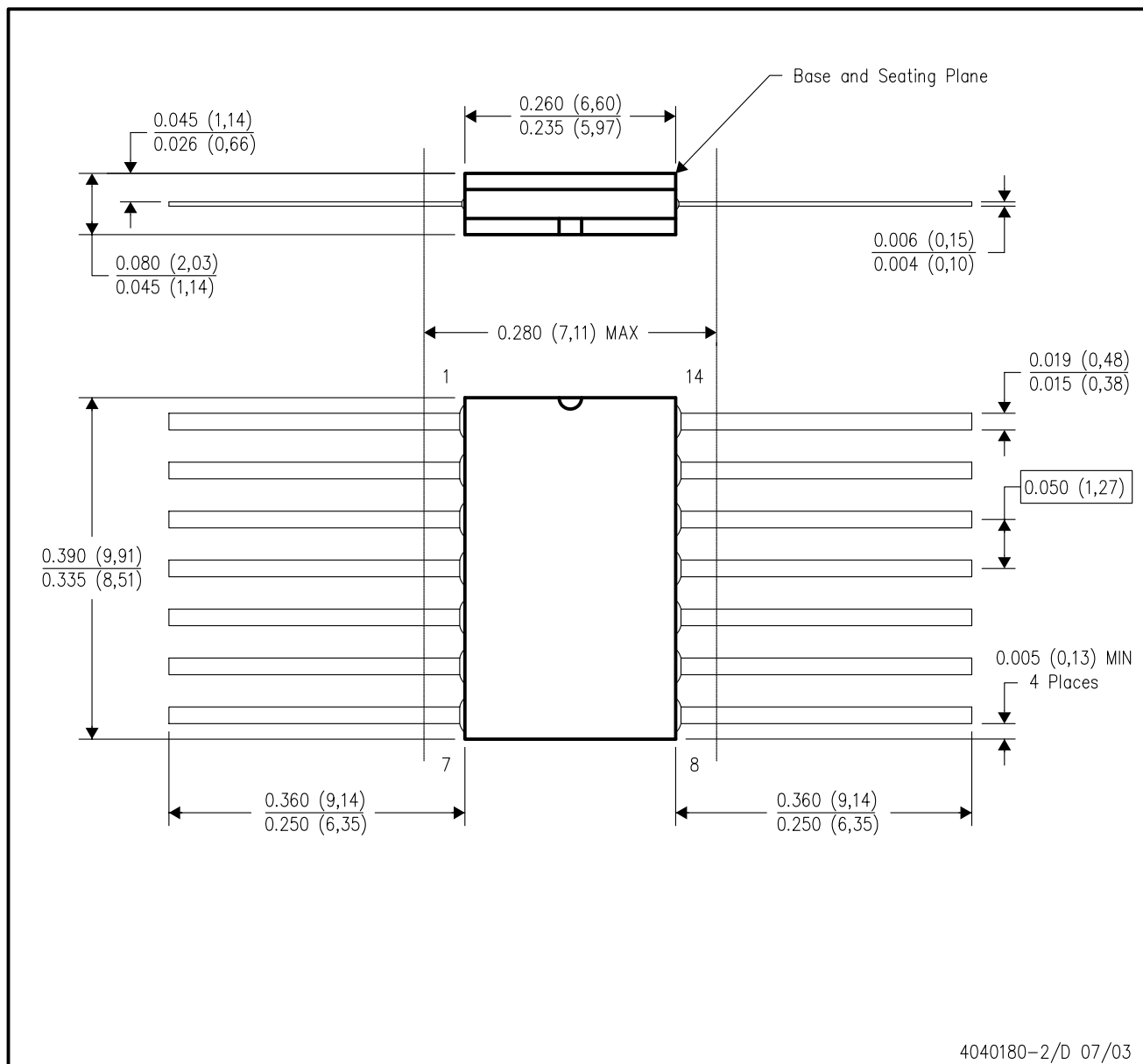


4040083/F 03/03

- 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



- 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 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

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

LEADLESS CERAMIC CHIP CARRIER

28 TERMINAL SHOWN



| NO. OF<br>TERMINALS<br>** | A                |                  | B                |                  |
|---------------------------|------------------|------------------|------------------|------------------|
|                           | MIN              | MAX              | MIN              | MAX              |
| 20                        | 0.342<br>(8,69)  | 0.358<br>(9,09)  | 0.307<br>(7,80)  | 0.358<br>(9,09)  |
| 28                        | 0.442<br>(11,23) | 0.458<br>(11,63) | 0.406<br>(10,31) | 0.458<br>(11,63) |
| 44                        | 0.640<br>(16,26) | 0.660<br>(16,76) | 0.495<br>(12,58) | 0.560<br>(14,22) |
| 52                        | 0.740<br>(18,78) | 0.761<br>(19,32) | 0.495<br>(12,58) | 0.560<br>(14,22) |
| 68                        | 0.938<br>(23,83) | 0.962<br>(24,43) | 0.850<br>(21,6)  | 0.858<br>(21,8)  |
| 84                        | 1.141<br>(28,99) | 1.165<br>(29,59) | 1.047<br>(26,6)  | 1.063<br>(27,0)  |



4040140/D 01/11

- NOTES:
- All linear dimensions are in inches (millimeters).
  - This drawing is subject to change without notice.
  - This package can be hermetically sealed with a metal lid.
  - Falls within JEDEC MS-004

D (R-PDSO-G14)

PLASTIC SMALL OUTLINE



4040047-5/M 06/11

NOTES:

- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- C. 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.
- D. Body width does not include interlead flash. Interlead flash shall not exceed 0.017 (0,43) each side.
- E. Reference JEDEC MS-012 variation AB.

D (R-PDSO-G14)

PLASTIC SMALL OUTLINE



- NOTES:
- A. All linear dimensions are in millimeters.
  - 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.

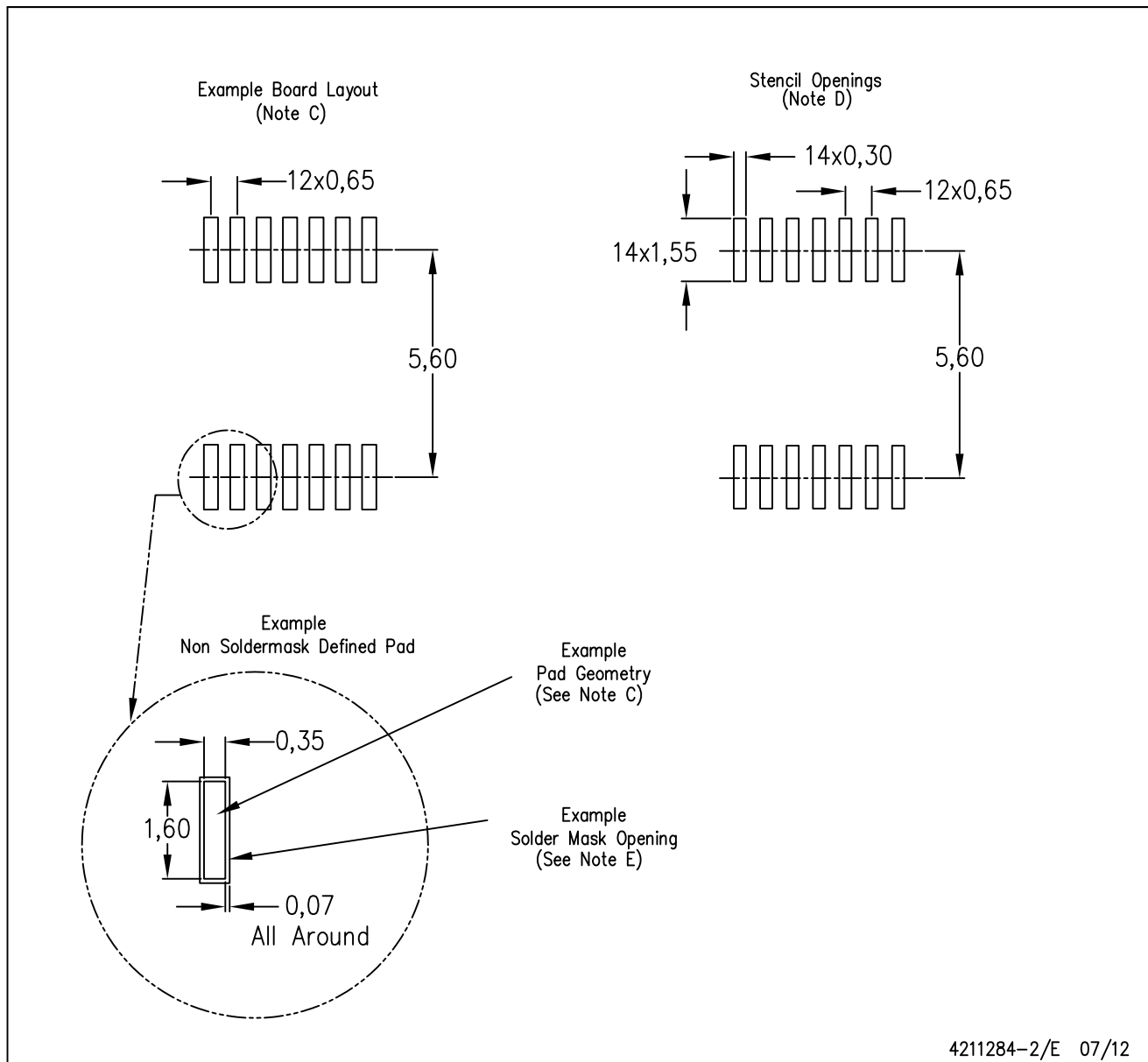
PW (R-PDSO-G14)

PLASTIC SMALL OUTLINE



PW (R-PDSO-G14)

# PLASTIC SMALL OUTLINE



NOTES:

- A. All linear dimensions are in millimeters.
- 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.

RGY (S-PVQFN-N14)

PLASTIC QUAD FLATPACK NO-LEAD



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

RGY (S-PVQFN-N14)

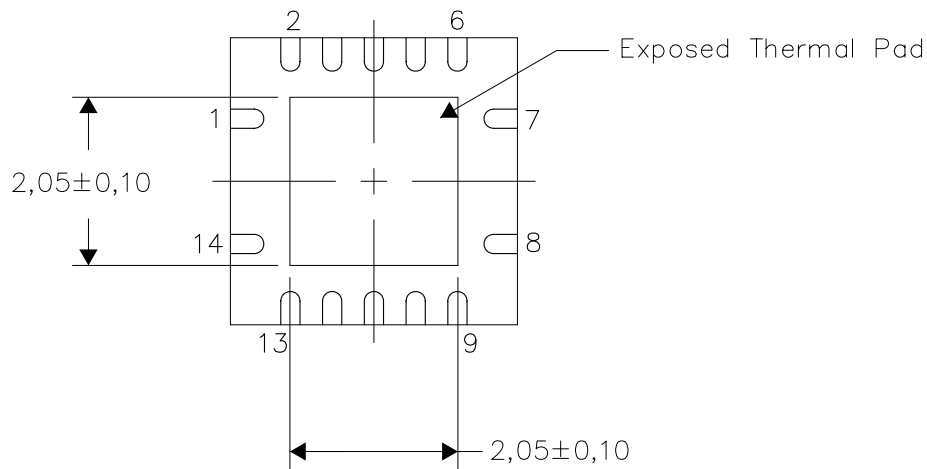
PLASTIC QUAD FLATPACK NO-LEAD

## 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](http://www.ti.com).

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



Bottom View

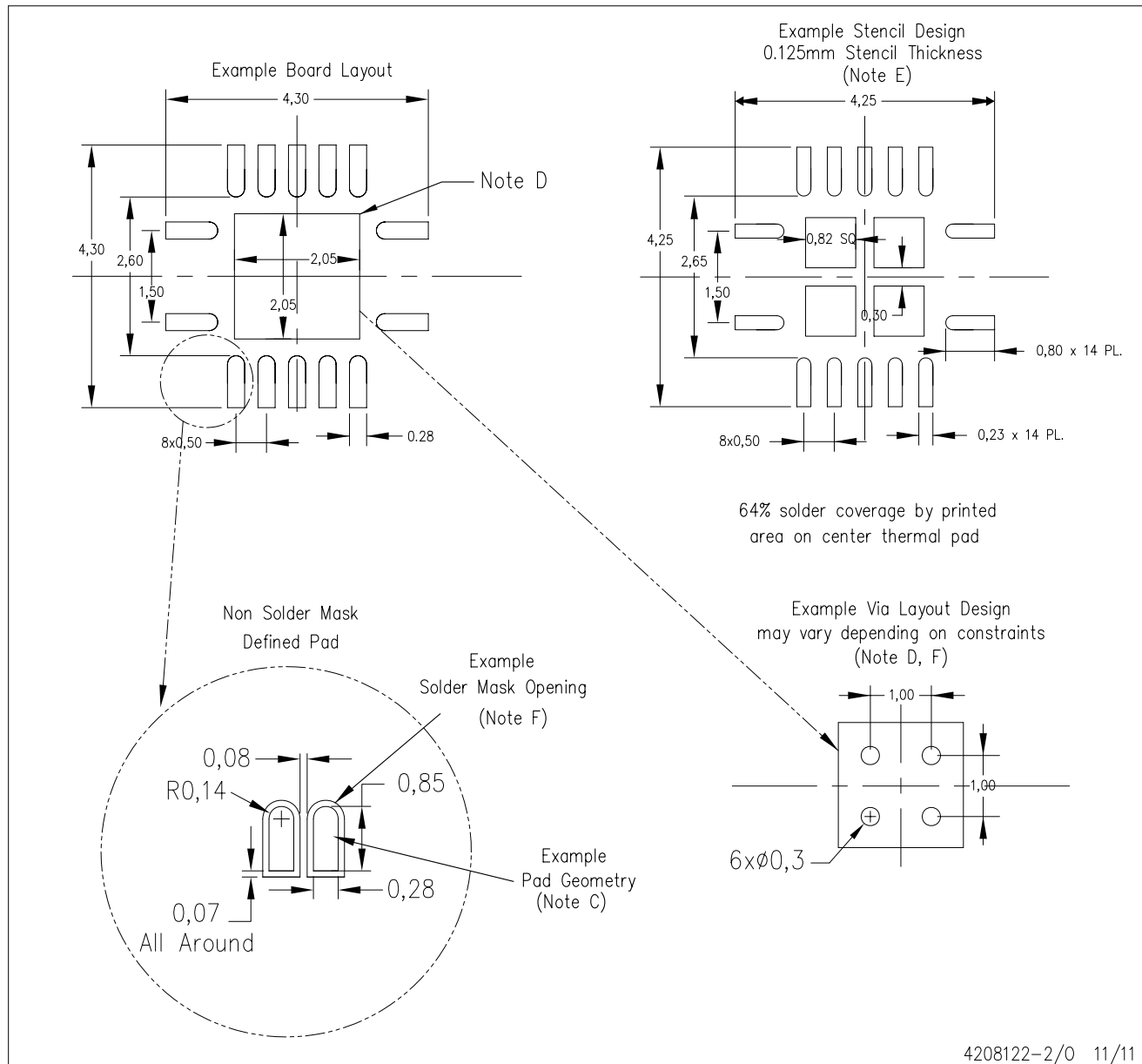
Exposed Thermal Pad Dimensions

4206353-2/0 11/11

NOTE: All linear dimensions are in millimeters

RGY (S-PVQFN-N14)

PLASTIC QUAD FLATPACK NO-LEAD



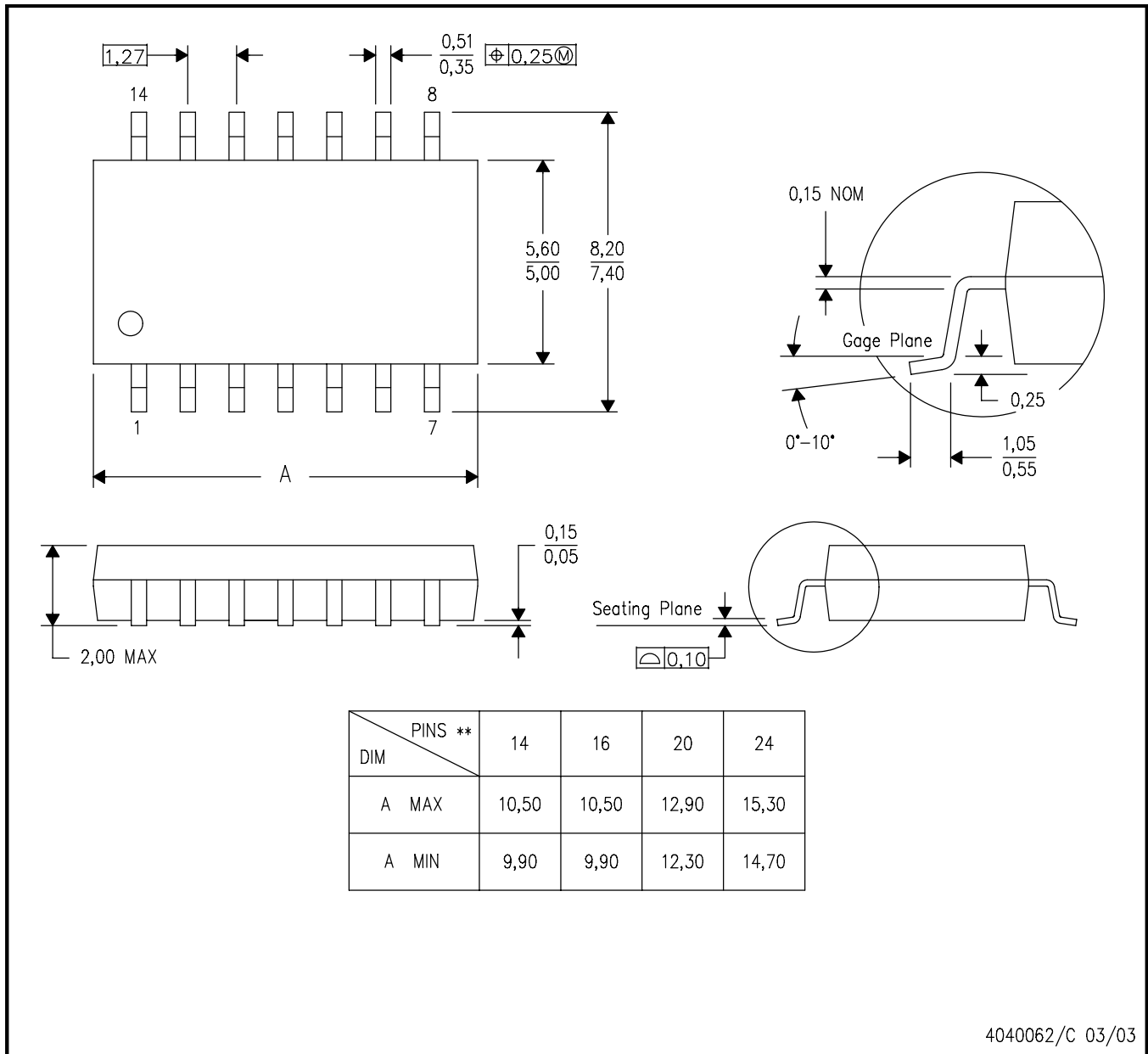
- NOTES:
- All linear dimensions are in millimeters.
  - This drawing is subject to change without notice.
  - Publication IPC-7351 is recommended for alternate designs.
  - This package is designed to be soldered to a thermal pad on the board. Refer to Application Note, Quad Flat-Pack QFN/SON PCB Attachment, 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) <<http://www.ti.com>>.
  - 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.
  - Customers should contact their board fabrication site for minimum solder mask web tolerances between signal pads.

# MECHANICAL DATA

NS (R-PDSO-G\*\*)

PLASTIC SMALL-OUTLINE PACKAGE

14-PINS SHOWN

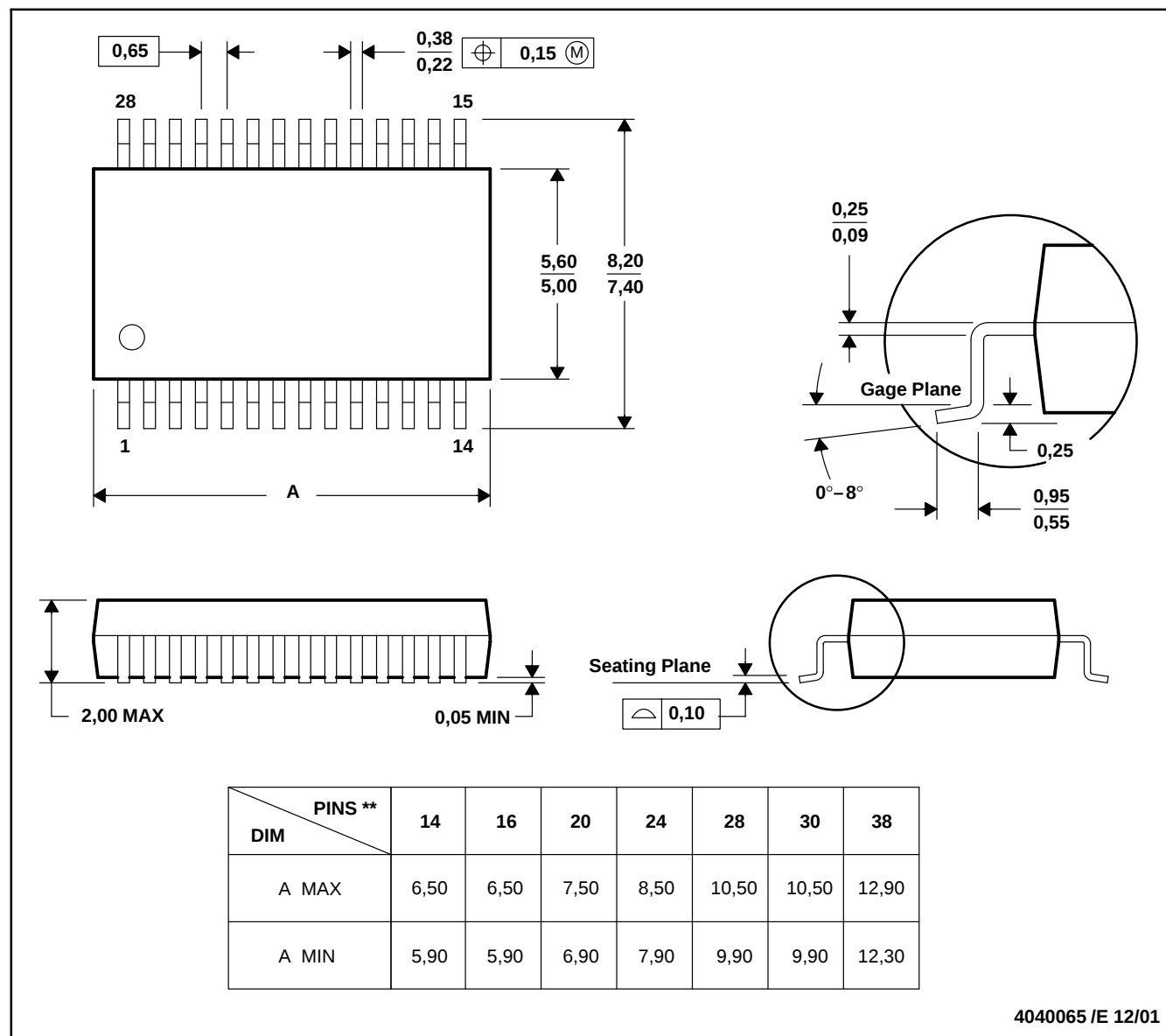


- NOTES:
- A. All linear dimensions are in millimeters.
  - B. This drawing is subject to change without notice.
  - C. Body dimensions do not include mold flash or protrusion, not to exceed 0,15.

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

## PLASTIC SMALL-OUTLINE

28 PINS SHOWN



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

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Only those TI components which TI has specifically designated as military grade or "enhanced plastic" are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components which have **not** been so designated is solely at the Buyer's risk, and that Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components which meet ISO/TS16949 requirements, mainly for automotive use. Components which have not been so designated are neither designed nor intended for automotive use; and TI will not be responsible for any failure of such components to meet such requirements.

### Products

|                              |                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------|
| Audio                        | <a href="http://www.ti.com/audio">www.ti.com/audio</a>                               |
| Amplifiers                   | <a href="http://amplifier.ti.com">amplifier.ti.com</a>                               |
| Data Converters              | <a href="http://dataconverter.ti.com">dataconverter.ti.com</a>                       |
| DLP® Products                | <a href="http://www.dlp.com">www.dlp.com</a>                                         |
| DSP                          | <a href="http://dsp.ti.com">dsp.ti.com</a>                                           |
| Clocks and Timers            | <a href="http://www.ti.com/clocks">www.ti.com/clocks</a>                             |
| Interface                    | <a href="http://interface.ti.com">interface.ti.com</a>                               |
| Logic                        | <a href="http://logic.ti.com">logic.ti.com</a>                                       |
| Power Mgmt                   | <a href="http://power.ti.com">power.ti.com</a>                                       |
| Microcontrollers             | <a href="http://microcontroller.ti.com">microcontroller.ti.com</a>                   |
| RFID                         | <a href="http://www.ti-rfid.com">www.ti-rfid.com</a>                                 |
| OMAP Applications Processors | <a href="http://www.ti.com/omap">www.ti.com/omap</a>                                 |
| Wireless Connectivity        | <a href="http://www.ti.com/wirelessconnectivity">www.ti.com/wirelessconnectivity</a> |

### Applications

|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| Automotive and Transportation | <a href="http://www.ti.com/automotive">www.ti.com/automotive</a>                         |
| Communications and Telecom    | <a href="http://www.ti.com/communications">www.ti.com/communications</a>                 |
| Computers and Peripherals     | <a href="http://www.ti.com/computers">www.ti.com/computers</a>                           |
| Consumer Electronics          | <a href="http://www.ti.com/consumer-apps">www.ti.com/consumer-apps</a>                   |
| Energy and Lighting           | <a href="http://www.ti.com/energy">www.ti.com/energy</a>                                 |
| Industrial                    | <a href="http://www.ti.com/industrial">www.ti.com/industrial</a>                         |
| Medical                       | <a href="http://www.ti.com/medical">www.ti.com/medical</a>                               |
| Security                      | <a href="http://www.ti.com/security">www.ti.com/security</a>                             |
| Space, Avionics and Defense   | <a href="http://www.ti.com/space-avionics-defense">www.ti.com/space-avionics-defense</a> |
| Video and Imaging             | <a href="http://www.ti.com/video">www.ti.com/video</a>                                   |

### TI E2E Community

[e2e.ti.com](http://e2e.ti.com)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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