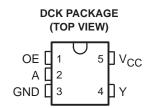
- Controlled Baseline
   One Assembly/Test Site, One Fabrication Site
- Enhanced Diminishing Manufacturing Sources (DMS) Support
- Enhanced Product-Change Notification
- Qualification Pedigree<sup>†</sup>
- Supports 5-V V<sub>CC</sub> Operation
- Inputs Accept Voltages to 5.5 V
- Max t<sub>pd</sub> of 3.7 ns at 3.3 V
- <sup>†</sup> Component qualification in accordance with JEDEC and industry standards to ensure reliable operation over an extended temperature range. This includes, but is not limited to, Highly Accelerated Stress Test (HAST) or biased 85/85, temperature cycle, autoclave or unbiased HAST, electromigration, bond intermetallic life, and mold compound life. Such qualification testing should not be viewed as justifying use of this component beyond specified performance and environmental limits.

#### description/ordering information

#### Low Power Consumption, 10-µA Max ICC

- ±24-mA Output Drive at 3.3 V
- I<sub>off</sub> Supports Partial-Power-Down Mode Operation
- Latch-Up Performance Exceeds 100 mA Per JESD 78, Class II
- ESD Protection Exceeds JESD 22
   2000-V Human-Body Model (A114-A)
  - 200-V Machine Model (A115-A)
  - 1000-V Charged-Device Model (C101)



This single bus buffer gate is designed for 1.65-V to 5.5-V  $V_{CC}$  operation.

The SN74LVC1G126 is a single line driver with a 3-state output. The output is disabled when the output-enable (OE) input is low.

To ensure the high-impedance state during power up or power down, OE should be tied to GND through a pulldown resistor; the minimum value of the resistor is determined by the current-sourcing capability of the driver.

This device is fully specified for partial-power-down applications using I<sub>off</sub>. The I<sub>off</sub> circuitry disables the outputs, preventing damaging current backflow through the device when it is powered down.

#### **ORDERING INFORMATION**

| TA            | PACKAG            | E‡           | ORDERABLE<br>PART NUMBER | TOP-SIDE<br>MARKING <sup>§</sup> |
|---------------|-------------------|--------------|--------------------------|----------------------------------|
| –40°C to 85°C | SOT (SC-70) – DCK | Reel of 3000 | CLVC1G126IDCKREP         | CN_                              |

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

§ DCK: The actual top-side marking has one additional character that designates the assembly/test site.

| FUNCTION TABLE |     |        |  |  |  |  |  |  |  |  |
|----------------|-----|--------|--|--|--|--|--|--|--|--|
| INPU           | JTS | OUTPUT |  |  |  |  |  |  |  |  |
| OE             | Α   | Y      |  |  |  |  |  |  |  |  |
| Н              | Н   | Н      |  |  |  |  |  |  |  |  |
| н              | L   | L      |  |  |  |  |  |  |  |  |
| L              | Х   | Z      |  |  |  |  |  |  |  |  |



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

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

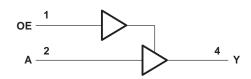


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### SN74LVC1G126-EP SINGLE BUS BUFFER GATE WITH 3-STATE OUTPUT

SCES527A - DECEMBER 2003 - REVISED MAY 2004

#### logic diagram (positive logic)



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

| Supply voltage range, $V_{CC}$<br>Input voltage range, $V_I$ (see Note 1)<br>Voltage range applied to any output in the high-impedance or power-off state, $V_O$ |                                   |
|--|-----------------------------------|
| (see Note 1)   | –0.5 V to 6.5 V                   |
| Voltage range applied to any output in the high or low state, $V_{\mathbf{O}}$   |                                   |
| (see Notes 1 and 2)  | –0.5 V to V <sub>CC</sub> + 0.5 V |
| Input clamp current, I <sub>IK</sub> (V <sub>I</sub> < 0)  |                                   |
| Output clamp current, I <sub>OK</sub> (V <sub>O</sub> < 0)   |                                   |
| Continuous output current, IO  | ±50 mA                            |
| Continuous current through V <sub>CC</sub> or GND  | ±100 mA                           |
| Package thermal impedance, $\theta_{JA}$ (see Note 3)  | 252°C/W                           |
| Storage temperature range, T <sub>stg</sub>  | –65°C to 150°C                    |

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

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

2. The value of  $\mathsf{V}_{CC}$  is provided in the recommended operating conditions table.

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



### recommended operating conditions (see Note 4)

|                |   |  | MIN   | MAX  | UNIT |  |
|----------------|---|--|---|--|------|--|
|                |   | Operating  | 1.65  | 5.5  |      |  |
| VCC            | Supply voltage  | Data retention only                                | 1.5   |  | V    |  |
|                |   | V <sub>CC</sub> = 1.65 V to 1.95 V                 | $0.65 \times V_{CC}$  |  |      |  |
| .,             | I Pada Jacob Seconda as Resea   | $V_{CC} = 2.3 \text{ V} \text{ to } 2.7 \text{ V}$ | 1.7   |  |      |  |
| VIH            | High-level input voltage  | $V_{CC} = 3 V \text{ to } 3.6 V$                   | 2   |  | V    |  |
|                |   | $V_{CC} = 4.5 \text{ V} \text{ to } 5.5 \text{ V}$ | $0.7 \times V_{CC}$   | $   \begin{array}{r}     1.7 \\     2 \\     \times V_{CC} \\     0.35 \times V_{CC} \\     0.7 \\     0.8 \\     0.3 \times V_{CC} \\     0 \\     5.5 \\     0 \\     V_{CC} \\     -4 \\     -8 \\     -16 \\     -24 \\     -32 \\     4 \\     8 \\     16 \\   \end{array} $ |      |  |
|                |   | $V_{CC} = 1.65 V$ to 1.95 V                        |   | $0.35 \times V_{CC}$   |      |  |
| .,             | Level level ferret celle as   | $V_{CC} = 2.3 \text{ V} \text{ to } 2.7 \text{ V}$ |   | 0.7  |      |  |
| VIL            | Low-level input voltage   | $V_{CC} = 3 V \text{ to } 3.6 V$                   |   | 0.8  | V    |  |
|                | Input voltage<br>Output voltage   | $V_{CC} = 4.5 \text{ V} \text{ to } 5.5 \text{ V}$ |   | $0.3 \times V_{CC}$  |      |  |
| VI             | Input voltage   | -  | 0   | 5.5  | V    |  |
| Vo             | Output voltage  |  | 0   | VCC  | V    |  |
|                |   | V <sub>CC</sub> = 1.65 V                           |   | -4   |      |  |
|                |   | V <sub>CC</sub> = 2.3 V                            |   | -8   |      |  |
| ЮН             | High-level output current   |  |   | -16  | mA   |  |
|                |   | V <sub>CC</sub> = 3 V                              |   | -24  |      |  |
|                | Dutput voltage<br>ligh-level output current   | $V_{CC} = 4.5 V$                                   |   | -32  |      |  |
|                |   | V <sub>CC</sub> = 1.65 V                           | $\begin{array}{c ccccc} 0 & 2.7 \ V & 1.7 \\ \hline 3.6 \ V & 2 \\ \hline 0 & 5.5 \ V & 0.7 \times V_{CC} \\ \hline to & 1.95 \ V & 0.7 \times V_{CC} \\ \hline to & 1.95 \ V & 0.7 \\ \hline 0 & 2.7 \ V & 0.7 \\ \hline 3.6 \ V & 0.8 \\ \hline 0 & 5.5 \ V & 0.3 \times V_{CC} \\ \hline & 0 & 5.5 \\ \hline & 0 & V_{CC} \\ \hline & & -4 \\ \hline &$ |  |      |  |
|                |   | V <sub>CC</sub> = 2.3 V                            |   | 8  |      |  |
| lol            | Low-level output current  |  |   | 16   | mA   |  |
| -              |   | $V_{CC} = 3 V$                                     |   | 24   |      |  |
|                | <ul> <li>Output voltage</li> <li>H High-level output current</li> <li>L Low-level output current</li> </ul> | $V_{CC} = 4.5 V$                                   |   | 32   |      |  |
|                |   | $V_{CC}$ = 1.8 V ± 0.15 V, 2.5 V ± 0.2 V           |   | 20   |      |  |
| Δt/Δv          | Input transition rise or fall rate  | $V_{CC} = 3.3 \text{ V} \pm 0.3 \text{ V}$         |   | 10   | ns/V |  |
|                |   | V <sub>CC</sub> = 5 V ± 0.5 V                      |   | 5  |      |  |
| T <sub>A</sub> | Operating free-air temperature  | · · ·  | -40   | 85   | °C   |  |

NOTE 4: 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.



## SN74LVC1G126-EP SINGLE BUS BUFFER GATE WITH 3-STATE OUTPUT

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

| PARAMETER         | TEST CONDITIONS  | Vcc                                  | MIN  | түр† | MAX  | UNIT |
|-------------------|--|--------------------------------------|------|------|------|------|
|                   | I <sub>OH</sub> = -100 μA  | 1.65 V to 5.5 V V <sub>CC</sub> -0.1 |      |      |      |      |
|                   | $I_{OH} = -4 \text{ mA}$   | 1.65 V                               | 1.2  |      |      |      |
|                   | $I_{OH} = -8 \text{ mA}$   | 2.3 V                                | 1.9  |      |      |      |
| Voh               | I <sub>OH</sub> = -16 mA   |                                      | 2.4  |      |      | V    |
|                   | $I_{OH} = -24 \text{ mA}$  | 3 V                                  | 2.3  |      |      |      |
|                   | I <sub>OH</sub> = -32 mA   | 4.5 V                                | 3.8  |      |      |      |
|                   | I <sub>OL</sub> = 100 μA   | 1.65 V to 5.5 V                      |      |      | 0.1  |      |
|                   | I <sub>OL</sub> = 4 mA   | 1.65 V                               |      |      | 0.45 | v    |
|                   | I <sub>OL</sub> = 8 mA   | 2.3 V                                |      |      | 0.3  |      |
| VOL               | I <sub>OL</sub> = 16 mA  |                                      |      |      | 0.4  |      |
|                   | I <sub>OL</sub> = 24 mA  | 3 V                                  | 0.55 |      |      |      |
|                   | I <sub>OL</sub> = 32 mA  | 4.5 V                                |      |      | 0.55 |      |
| II A or OE inputs | $V_{I} = 5.5 V \text{ or GND}$   | 0 to 5.5 V                           |      |      | ±5   | μΑ   |
| l <sub>off</sub>  | $V_{I} \text{ or } V_{O} = 5.5 \text{ V}$                                    | 0                                    |      |      | ±10  | μΑ   |
| IOZ               | $V_{O} = 0$ to 5.5 V   | 3.6 V                                |      |      | 10   | μΑ   |
| ICC               | $V_{I} = 5.5 V \text{ or GND}, \qquad I_{O} = 0$                             | 1.65 V to 5.5 V                      |      |      | 10   | μA   |
| ΔICC              | One input at V <sub>CC</sub> – 0.6 V, Other inputs at V <sub>CC</sub> or GND | 3 V to 5.5 V                         |      |      | 500  | μA   |
| Ci                | $V_{I} = V_{CC}$ or GND  | 3.3 V                                |      | 4    |      | pF   |

<sup>†</sup> All typical values are at V<sub>CC</sub> = 3.3 V,  $T_A$  = 25°C.

switching characteristics over recommended operating free-air temperature range,  $C_L = 15 \text{ pF}$  (unless otherwise noted) (see Figure 1)

| PARAMETER FROM  | TO      | V <sub>CC</sub> = 1.8 V<br>± 0.15 V |     | $\begin{array}{c} \text{V}_{\text{CC}} = 2.5 \text{ V} \\ \pm 0.2 \text{ V} \end{array}$ |     | V <sub>CC</sub> = 3.3 V<br>± 0.3 V |     | V <sub>CC</sub> = 5 V<br>± 0.5 V |     | UNIT |    |
|-----------------|---------|-------------------------------------|-----|--|-----|------------------------------------|-----|----------------------------------|-----|------|----|
|                 | (INPUT) | (OUTPUT)                            | MIN | MAX  | MIN | MAX                                | MIN | MAX                              | MIN | MAX  |    |
| <sup>t</sup> pd | A       | Y                                   | 1.7 | 6.9  | 0.6 | 4.6                                | 0.6 | 3.7                              | 0.5 | 3.4  | ns |

switching characteristics over recommended operating free-air temperature range, C<sub>L</sub> = 30 pF or 50 pF (unless otherwise noted) (see Figure 2)

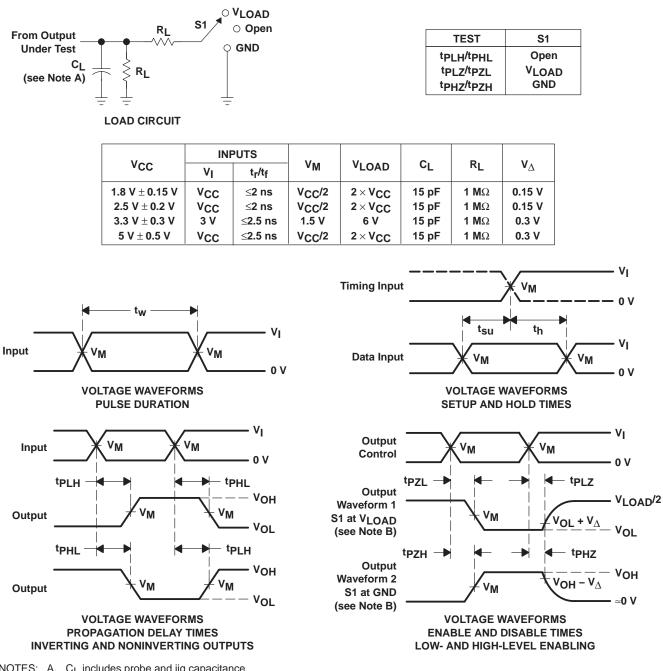
| PARAMETER        | FROM<br>(INPUT) | TO<br>(OUTPUT) | V <sub>CC</sub> =<br>± 0.7 |     | V <sub>CC</sub> =<br>± 0. |     | V <sub>CC</sub> =<br>± 0. |     | V <sub>CC</sub> :<br>± 0. |     | UNIT |
|------------------|-----------------|----------------|----------------------------|-----|---------------------------|-----|---------------------------|-----|---------------------------|-----|------|
|                  | (INPOT)         | (001P01)       | MIN                        | MAX | MIN                       | MAX | MIN                       | MAX | MIN                       | MAX |      |
| <sup>t</sup> pd  | A               | Y              | 2.6                        | 8   | 1.1                       | 5.5 | 1                         | 4.5 | 1                         | 4   | ns   |
| ten              | OE              | Y              | 2.8                        | 9.4 | 1.3                       | 6.6 | 1.2                       | 5.3 | 1                         | 5   | ns   |
| <sup>t</sup> dis | OE              | Y              | 1.6                        | 9.8 | 1                         | 5.5 | 1                         | 5.5 | 1                         | 4.2 | ns   |

### operating characteristics, $T_A = 25^{\circ}C$

|          | PARAMETER                   | 5                | TEST       | V <sub>CC</sub> = 1.8 V | V <sub>CC</sub> = 2.5 V | V <sub>CC</sub> = 3.3 V | V <sub>CC</sub> = 5 V |    |
|----------|-----------------------------|------------------|------------|-------------------------|-------------------------|-------------------------|-----------------------|----|
|          | FARAMETER                   | CONDITIONS       | TYP        | TYP                     | TYP                     | TYP                     | UNIT                  |    |
| <u> </u> | Power dissipation           | Outputs enabled  | ( (0))     | 19                      | 19                      | 19                      | 21                    |    |
| Cpd      | C <sub>pd</sub> capacitance | Outputs disabled | f = 10 MHz | 2                       | 2                       | 3                       | 4                     | pF |

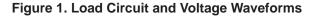


#### PARAMETER MEASUREMENT INFORMATION



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<sub>O</sub> = 50  $\Omega$ .
- D. The outputs are measured one at a time, with one transition per measurement.
- E. t<sub>PLZ</sub> and t<sub>PHZ</sub> are the same as t<sub>dis</sub>.
- F.  $t_{PZL}$  and  $t_{PZH}$  are the same as  $t_{en}$ .
- G. tPLH and tPHL are the same as tpd.
- H. All parameters and waveforms are not applicable to all devices.

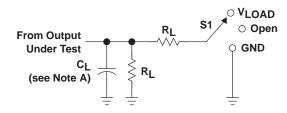




### SN74LVC1G126-EP SINGLE BUS BUFFER GATE WITH 3-STATE OUTPUT

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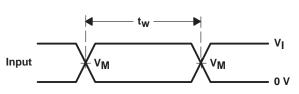
### PARAMETER MEASUREMENT INFORMATION

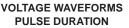


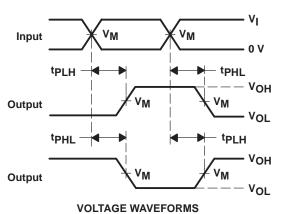
| TEST                               | S1    |
|------------------------------------|-------|
| <sup>t</sup> PLH <sup>/t</sup> PHL | Open  |
| tPLZ/tPZL                          | VLOAD |
| <sup>t</sup> PHZ <sup>/t</sup> PZH | GND   |

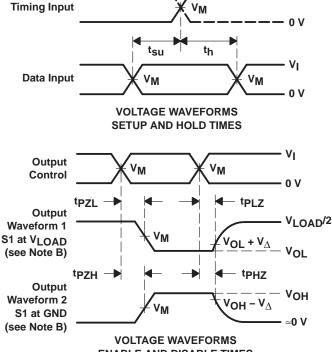
| LOAD | CIRCUIT |  |
|------|---------|--|
|      |         |  |

| Vcc               | INF | PUTS                           | No.                | Manage              | 0     | D.           | N          |
|-------------------|-----|--------------------------------|--------------------|---------------------|-------|--------------|------------|
|                   | VI  | t <sub>r</sub> /t <sub>f</sub> | Vм                 | VLOAD               | CL    | RL           | $v_\Delta$ |
| $1.8~V\pm0.15~V$  | Vcc | ≤2 ns                          | V <sub>CC</sub> /2 | $2 \times V_{CC}$   | 30 pF | <b>1 k</b> Ω | 0.15 V     |
| 2.5 V $\pm$ 0.2 V | Vcc | ≤2 ns                          | V <sub>CC</sub> /2 | 2 × V <sub>CC</sub> | 30 pF | <b>500</b> Ω | 0.15 V     |
| 3.3 V $\pm$ 0.3 V | 3 V | ≤2.5 ns                        | 1.5 V              | 6 V                 | 50 pF | <b>500</b> Ω | 0.3 V      |
| 5 V $\pm$ 0.5 V   | VCC | ≤2.5 ns                        | V <sub>CC</sub> /2 | $2 \times V_{CC}$   | 50 pF | <b>500</b> Ω | 0.3 V      |









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#### ENABLE AND DISABLE TIMES LOW- AND HIGH-LEVEL ENABLING

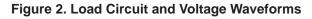
NOTES: A. Cl includes probe and jig capacitance.

- 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<sub>O</sub> = 50  $\Omega$ .
- D. The outputs are measured one at a time, with one transition per measurement.
- E. t<sub>PLZ</sub> and t<sub>PHZ</sub> are the same as t<sub>dis</sub>.

**PROPAGATION DELAY TIMES** 

INVERTING AND NONINVERTING OUTPUTS

- F. tpzL and tpzH are the same as ten.
- G.  $t_{PLH}$  and  $t_{PHL}$  are the same as  $t_{pd}$ .
- H. All parameters and waveforms are not applicable to all devices.







10-Dec-2020

### PACKAGING INFORMATION

| Orderable Device | Status<br>(1) | Package Type | Package<br>Drawing | Pins | Package<br>Qty | Eco Plan<br>(2) | Lead finish/<br>Ball material<br>(6) | MSL Peak Temp<br>(3) | Op Temp (°C) | Device Marking<br>(4/5) | Samples |
|------------------|---------------|--------------|--------------------|------|----------------|-----------------|--------------------------------------|----------------------|--------------|-------------------------|---------|
| CLVC1G126IDCKREP | ACTIVE        | SC70         | DCK                | 5    | 3000           | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 85    | CNO                     | Samples |
| V62/04736-01XE   | ACTIVE        | SC70         | DCK                | 5    | 3000           | RoHS & Green    | NIPDAU                               | Level-1-260C-UNLIM   | -40 to 85    | CNO                     | Samples |

<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> 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.

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

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

<sup>(5)</sup> 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.

<sup>(6)</sup> 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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## PACKAGE OPTION ADDENDUM

10-Dec-2020

#### OTHER QUALIFIED VERSIONS OF SN74LVC1G126-EP :

• Catalog: SN74LVC1G126

• Automotive: SN74LVC1G126-Q1

NOTE: Qualified Version Definitions:

- Catalog TI's standard catalog product
- Automotive Q100 devices qualified for high-reliability automotive applications targeting zero defects

# PACKAGE MATERIALS INFORMATION

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### TAPE AND REEL INFORMATION





### QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



| *All dimensions are nominal |                 |                    |   |      |                          |                          |            |            |            |            |           |                  |
|-----------------------------|-----------------|--------------------|---|------|--------------------------|--------------------------|------------|------------|------------|------------|-----------|------------------|
| Device                      | Package<br>Type | Package<br>Drawing |   | SPQ  | Reel<br>Diameter<br>(mm) | Reel<br>Width<br>W1 (mm) | A0<br>(mm) | B0<br>(mm) | K0<br>(mm) | P1<br>(mm) | W<br>(mm) | Pin1<br>Quadrant |
| CLVC1G126IDCKREP            | SC70            | DCK                | 5 | 3000 | 179.0                    | 8.4                      | 2.2        | 2.5        | 1.2        | 4.0        | 8.0       | Q3               |

TEXAS INSTRUMENTS

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## PACKAGE MATERIALS INFORMATION

3-Aug-2017



\*All dimensions are nominal

| Device           | Device Package Type |     | Pins | SPQ  | Length (mm) | Width (mm) | Height (mm) |  |
|------------------|---------------------|-----|------|------|-------------|------------|-------------|--|
| CLVC1G126IDCKREP | SC70                | DCK | 5    | 3000 | 203.0       | 203.0      | 35.0        |  |

# **DCK0005A**



# **PACKAGE OUTLINE**

### SOT - 1.1 max height

SMALL OUTLINE TRANSISTOR



NOTES:

- 1. All linear dimensions are in millimeters. Any dimensions in parenthesis are for reference only. Dimensioning and tolerancing per ASME Y14.5M.
   This drawing is subject to change without notice.
   Reference JEDEC MO-203.

- 4. Support pin may differ or may not be present.5. Lead width does not comply with JEDEC.
- 6. Body dimensions do not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed 0.25mm per side



# **DCK0005A**

# **EXAMPLE BOARD LAYOUT**

### SOT - 1.1 max height

SMALL OUTLINE TRANSISTOR



NOTES: (continued)

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

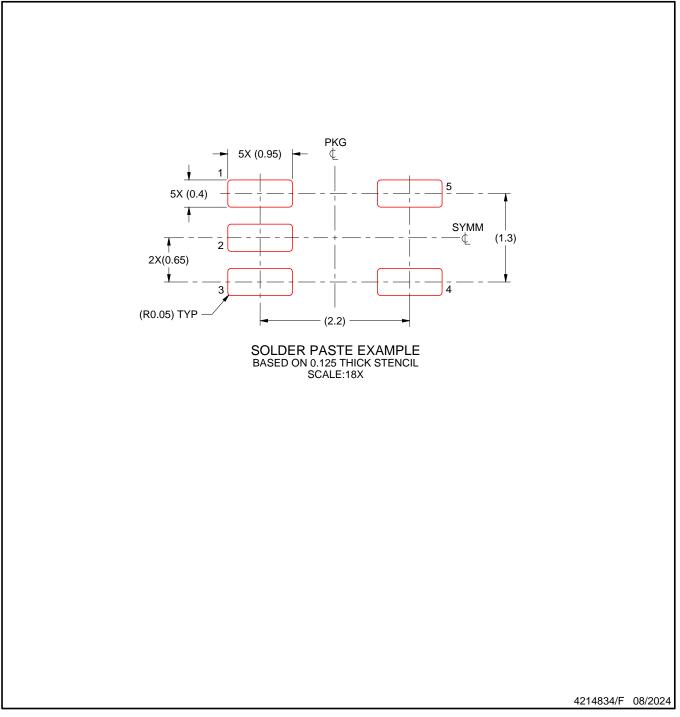


# DCK0005A

# **EXAMPLE STENCIL DESIGN**

## SOT - 1.1 max height

SMALL OUTLINE TRANSISTOR



NOTES: (continued)

9. Laser cutting apertures with trapezoidal walls and rounded corners may offer better paste release. IPC-7525 may have alternate design recommendations.

10. Board assembly site may have different recommendations for stencil design.



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