

Single 2-Input OR Gate

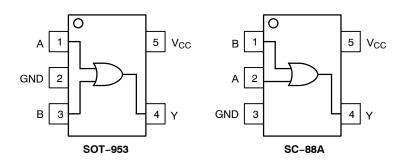
NL17SG32

The NL17SG32 MiniGate $^{\text{\tiny M}}$ is an advanced high-speed CMOS 2-input OR gate in ultra-small footprint.

The NL17SG32 input structures provides protection when voltages up to 3.6 V are applied.

Features

- Wide Operating V_{CC} Range: 0.9 V to 3.6 V
- High Speed: $t_{PD} = 2.4 \text{ ns}$ (Typ) at $V_{CC} = 3.0 \text{ V}$, $C_L = 15 \text{ pF}$
- Low Power Dissipation: $I_{CC} = 0.5 \mu A$ (Max) at $T_A = 25^{\circ}C$
- 3.6 V Overvoltage Tolerant (OVT) Input Pins
- I_{OFF} Supports Partial Power Down Protection
- Ultra-Small Packages
- These are Pb-Free and Halide-Free Devices



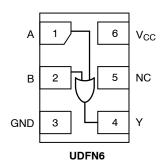


Figure 1. Pinouts (Top View)



Figure 2. Logic Symbol

1

MARKING DIAGRAMS



SC-88A DF SUFFIX CASE 419A





SOT-953 CASE 527AE





UDFN6 1.0 x 1.0 CASE 517BX





UDFN6 1.45 x 1.0 CASE 517AQ



XX = Specific Device Code

M = Date Code*= Pb-Free Package

(Note: Microdot may be in either location)

*Date Code orientation and/or position may vary depending upon manufacturing location.

| | PIN ASSIGNMENT | | | | | |
|---|-----------------|-----------------|-----------------|--|--|--|
| | SOT-953 | SC-88A | UDFN6 | | | |
| 1 | А | В | Α | | | |
| 2 | GND | Α | В | | | |
| 3 | В | GND | GND | | | |
| 4 | Υ | Υ | Υ | | | |
| 5 | V _{CC} | V _{CC} | NC | | | |
| 6 | | | V _{CC} | | | |

FUNCTION TABLE

| A Input | B Input | Y Output |
|---------|---------|----------|
| L | L | L |
| L | Н | Н |
| Н | L | Н |
| Н | Н | Н |

ORDERING INFORMATION

See detailed ordering and shipping information in the package dimensions section on page 6 of this data sheet.

Table 1. MAXIMUM RATINGS

| Symbol | Parameter | Value | Unit | |
|-------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|------|
| V_{CC} | DC Supply Voltage | | -0.5 to +4.3 | V |
| V _{IN} | DC Input Voltage | | -0.5 to +4.3 | V |
| V _{OUT} | | -Mode (High or Low State) Tri-State Mode (Note 1) er-Down Mode (V _{CC} = 0 V) | -0.5 to V _{CC} + 0.5 -0.5 to +4.3 -0.5 to +4.3 | V |
| I _{IK} | DC Input Diode Current | V _{IN} < GND | -20 | mA |
| I _{OK} | DC Output Diode Current | V _{OUT} < GND | -20 | mA |
| l _{out} | DC Output Source/Sink Current | | ±20 | mA |
| I _{CC or} I _{GND} | DC Supply Current Per Supply Pin or Ground Pin | | ±20 | mA |
| T _{STG} | Storage Temperature Range | | -65 to +150 | °C |
| T _L | Lead Temperature, 1 mm from Case for 10 Seconds | | 260 | °C |
| T_J | Junction Temperature Under Bias | | +150 | °C |
| $\theta_{\sf JA}$ | Thermal Resistance (Note 2) | SC-88A SOT-953 UDFN6 | 377 254 154 | °C/W |
| P _D | Power Dissipation in Still Air at 85°C | SC-88A SOT-953 UDFN6 | 332 491 812 | mW |
| MSL | Moisture Sensitivity | | Level 1 | |
| F _R | Flammability Rating | Oxygen Index: 28 to 34 | UL 94 V-0 @ 0.125 in | |
| V _{ESD} | ESD Withstand Voltage (Note 3) | Human Body Model Charged Device Model | 2000 1000 | V |
| I _{LATCHUP} | Latchup Performance (Note 4) | | ±100 | mA |

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

- 1. Applicable to devices with outputs that may be tri-stated.
- Applicable to devices with outputs that may be the stated.
 Measured with minimum pad spacing on an FR4 board, using 10 mm by 1inch, 2 ounce copper trace no air flow per JESD51–7.
 HBM tested to EIA / JESD22–A114–A. CDM tested to JESD22–C101–A. JEDEC recommends that ESD qualification to EIA/JESD22–A115A (Machine Model) be discontinued.
 4. Tested to EIA/JESD78 Class II.

Table 2. RECOMMENDED OPERATING CONDITIONS

| Symbol | Parameter | | Min | Max | Unit |
|---------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------|-------------|-------------------------------|------|
| V _{CC} | Positive DC Supply Voltage | | 0.9 | 3.6 | V |
| V _{IN} | Digital Input Voltage | | 0 | 3.6 | V |
| V _{OUT} | Output Voltage | Active Mode (High or Low State) Tri–State Mode (Note 1) Power Down Mode ($V_{CC} = 0 \text{ V}$) | 0 0 0 | V _{CC} 3.6 3.6 | V |
| T _A | Operating Free-Air Temperature | | -55 | +125 | °C |
| t _r , t _f | Input Transition Rise or Fall Rate | $V_{CC} = 3.3 \text{ V} \pm 0.3 \text{ V}$ | 0 | 10 | nS/V |

Functional operation above the stresses listed in the Recommended Operating Ranges is not implied. Extended exposure to stresses beyond the Recommended Operating Ranges limits may affect device reliability.

Table 3. DC ELECTRICAL CHARACTERISTICS

| | | | | 1 | Γ _A = 25°0 | | T _A = -55°C | to +125°C | |
|------------------|------------------------------|--------------------------------------------------------------------|---------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------|
| Symbol | Parameter | Conditions | V _{CC} (V) | Min | Тур | Max | Min | Max | Unit |
| V_{IH} | High-Level Input | | 0.9 | - | V_{CC} | - | - | - | V |
| | Voltage | | 1.1 to 1.3 | 0.7 x V _{CC} | - | - | 0.7 x V _{CC} | - | |
| | | | 1.4 to 1.6 | 0.65 x V _{CC} | _ | - | 0.65 x V _{CC} | - | |
| | | | 1.65 to 1.95 | 0.65 x V _{CC} | _ | - | 0.65 x V _{CC} | - | |
| | | | 2.3 to 2.7 | 1.7 | - | - | 1.7 | - | |
| | | | 3.0 to 3.6 | 2.0 | - | - | 2.0 | - | |
| V_{IL} | Low-Level Input | | 0.9 | - | GND | - | - | - | V |
| | Voltage | | 1.1 to 1.3 | - | - | 0.3 x V _{CC} | - | 0.3 x V _{CC} | |
| | | | 1.4 to 1.6 | - | - | 0.35 x V _{CC} | - | 0.35 x V _{CC} | |
| | | | 1.65 to 1.95 | - | - | 0.35 x V _{CC} | - | 0.35 x V _{CC} | |
| | | | 2.3 to 2.7 | - | - | 0.7 | - | 0.7 | |
| | | | 3.0 to 3.6 | - | - | 0.8 | - | 0.8 | |
| V _{OH} | High-Level Output Voltage | $V_{IN} = V_{IH}$ or V_{IL} | | | | | | | V |
| | | I _{OH} = -20 μA | 0.9 | - | 0.75 | - | - | - | |
| | | I _{OH} = -0.3 mA | 1.1 to 1.3 | 0.75 x V _{CC} | _ | - | 0.75 x V _{CC} | - | |
| | | I _{OH} = −1.7 mA | 1.4 to 1.6 | 0.75 x V _{CC} | _ | - | 0.75 x V _{CC} | - | |
| | | I _{OH} = -3.0 mA | 1.65 to 1.95 | V _{CC} – 0.45 | - | - | V _{CC} – 0.45 | - | |
| | | I _{OH} = -4.0 mA | 2.3 to 2.7 | 2.0 | _ | - | 2.0 | - | |
| | | I _{OH} = -8.0 mA | 3.0 to 3.6 | 2.48 | _ | - | 2.48 | - | |
| V _{OL} | Low-Level Output | $V_{IN} = V_{IH}$ or V_{IL} | | | | | | | V |
| | Voltage | I _{OL} = 20 μA | 0.9 | - | 0.1 | - | - | - | |
| | | I _{OL} = 0.3 mA | 1.1 to 1.3 | - | _ | 0.25 x V _{CC} | - | 0.25 x V _{CC} | |
| | | I _{OL} = 1.7 mA | 1.4 to 1.6 | - | _ | 0.25 x V _{CC} | - | 0.25 x V _{CC} | |
| | | I _{OL} = 3.0 mA | 1.65 to 1.95 | - | - | 0.45 | - | 0.45 | |
| | | I _{OL} = 4.0 mA | 2.3 to 2.7 | - | - | 0.4 | - | 0.4 | |
| | | I _{OL} = 8.0 mA | 2.7 to 3.6 | - | - | 0.4 | - | 0.4 | |
| I _{IN} | Input Leakage Current | V _{IN} = 0 V to 3.6 V | 0.9 to 3.6 | - | - | ±0.1 | - | ±1.0 | μΑ |
| l _{OFF} | Power Off Leakage Current | V _{IN} = 0 V to 3.6 V; V _{OUT} = 0 V to 3.6 V | 0 | - | - | 1.0 | - | 10.0 | μΑ |
| I _{CC} | Quiescent Supply Current | V _{IN} = V _{CC} or GND | 0.9 to 3.6 | - | - | 1.0 | - | 10.0 | μΑ |

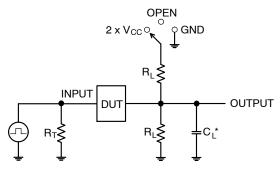
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

Table 4. AC ELECTRICAL CHARACTERISTICS

| Symbol | Parameter | Test Condition | V _{CC} (V) | | T _A = 25° C | | | T _A = -55°C to +125°C | |
|--------------------|-------------------------------------------|--------------------------------------------------|---------------------|-----|------------------------|------|-----|-------------------------------------|------|
| • | | | | Min | Тур | Max | Min | Max | Unit |
| t _{PLH} , | Propagation Delay, | C _L = 10 pF, | 0.9 | - | 51.8 | - | - | - | ns |
| t _{PHL} | A or B to Y | $R_L = 1 M\Omega$ | 1.1 to 1.3 | - | 9.9 | 27.0 | - | 32.0 | 1 |
| | | | 1.4 to 1.6 | - | 5.0 | 8.5 | - | 10.0 | 1 |
| | | | 1.65 to 1.95 | - | 3.6 | 6.2 | - | 6.7 | 1 |
| | | | 2.3 to 2.7 | - | 2.7 | 3.9 | - | 4.4 | 1 |
| | | | 3.0 to 3.6 | - | 2.1 | 3.1 | - | 3.7 | 1 |
| | | $C_L = 15 \text{ pF},$ $R_L = 1 \text{ M}\Omega$ | 0.9 | - | 52.6 | - | - | - | ns |
| | | | 1.1 to 1.3 | - | 10.1 | 27.7 | - | 32.8 | |
| | | | 1.4 to 1.6 | - | 5.9 | 9.3 | - | 11.2 | |
| | | | 1.65 to 1.95 | - | 4.5 | 6.9 | - | 7.1 | |
| | | | 2.3 to 2.7 | - | 3.0 | 4.4 | - | 5.0 | |
| | | | 3.0 to 3.6 | - | 2.4 | 3.4 | - | 3.9 | 1 |
| | | $C_L = 30 \text{ pF},$ $R_L = 1 M\Omega$ | 0.9 | - | 55.0 | - | - | - | ns |
| | | | 1.1 to 1.3 | - | 11.0 | 29.8 | - | 35.1 | 1 |
| | | | 1.4 to 1.6 | - | 8.0 | 12.1 | - | 15.9 | 1 |
| | | | 1.65 to 1.95 | - | 6.0 | 9.2 | - | 9.6 | |
| | | | 2.3 to 2.7 | - | 3.9 | 5.7 | - | 6.1 | |
| | | | 3.0 to 3.6 | - | 3.0 | 4.4 | - | 4.8 | 1 |
| C _{IN} | Input Capacitance | | 0 to 3.6 | | 3 | - | - | - | pF |
| C _{PD} | Power Dissipation Capacitance (Note 5) | f = 10 MHz | 0.9 to 3.6 | - | 4 | - | - | - | pF |

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

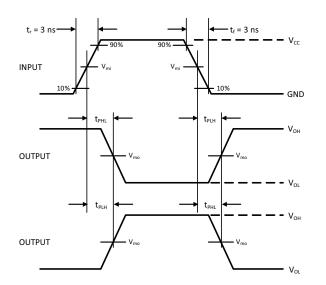
5. C_{PD} is defined as the value of the internal equivalent capacitance which is calculated from the operating current consumption without load. Average operating current can be obtained by the equation: $I_{CC(OPR)} = C_{PD} \bullet V_{CC} \bullet f_{in} + I_{CC} \cdot C_{PD}$ is used to determine the no–load dynamic power consumption; $P_D = C_{PD} \bullet V_{CC}^2 \bullet f_{in} + I_{CC} \bullet V_{CC}$.



| Test | Switch Position |
|-------------------------------------|---------------------|
| t _{PLH} / t _{PHL} | Open |
| t _{PLZ} / t _{PZL} | 2 x V _{CC} |
| t _{PHZ} / t _{PZH} | GND |

 C_L includes probe and jig capacitance R_T is Z_{OUT} of pulse generator (typically 50 W) f = 1 MHz

Figure 3. Test Circuit



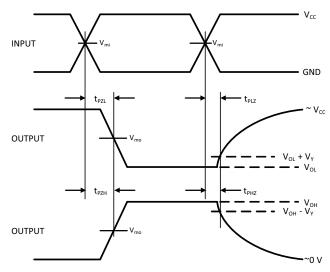


Figure 4. Switching Waveforms

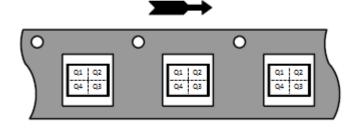
| V _{CC} , V | V _{mi} , V | V_{mo} , V | V _Y , V |
|---------------------|---------------------|--------------------|--------------------|
| 0.9 | V _{CC} /2 | V _{CC} /2 | 0.1 |
| 1.1 to 1.3 | V _{CC} /2 | V _{CC} /2 | 0.1 |
| 1.4 to 1.6 | V _{CC} /2 | V _{CC} /2 | 0.1 |
| 1.65 to 1.95 | V _{CC} /2 | V _{CC} /2 | 0.15 |
| 2.3 to 2.7 | V _{CC} /2 | V _{CC} /2 | 0.15 |
| 3.0 to 3.6 | 1.5 | 1.5 | 0.3 |

ORDERING INFORMATION

| Device | Marking | Pin 1 Orientation (See below) | Package | Shipping [†] |
|--------------------------------------------|--------------------|----------------------------------|-------------------|-----------------------|
| NL17SG32DFT2G | AU | Q4 | SC-88A | 3000 / Tape & Reel |
| NL17SG32P5T5G | 3 | Q2 | SOT-953 | 8000 / Tape & Reel |
| NL17SG32MU1TCG (Contact onsemi) | 6 (Rotated 180°CW) | Q4 | UDFN6 1.45 x 1 mm | 3000 / Tape & Reel |
| NL17SG32MU3TCG (Contact onsemi) | P (Rotated 90°CW) | Q4 | UDFN6 1 x 1 mm | 3000 / Tape & Reel |

[†]For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging

PIN 1 ORIENTATION IN TAPE AND REEL Direction of Feed



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Specifications Brochure, BRD8011/D.

*-Q Suffix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable.





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SC-88A (SC-70-5/SOT-353) CASE 419A-02 ISSUE M

DATE 11 APR 2023

NOTES:

- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
- CONTROLLING DIMENSION: MILLIMETERS
- 419A-01 DBSDLETE, NEW STANDARD 419A-02
- DIMENSIONS D AND E1 DO NOT INCLUDE MOLD FLASH,

| DIM | MI | LLIMETE | RS | |
|-------|------|----------|------|--|
| INITU | MIN. | N□M. | MAX. | |
| А | 0.80 | 0.95 | 1.10 | |
| A1 | | | 0.10 | |
| A3 | | 0,20 REF | | |
| b | 0.10 | 0.20 | 0.30 | |
| C | 0.10 | | 0.25 | |
| D | 1.80 | 2.00 | 2,20 | |
| Е | 2.00 | 2.10 | 2.20 | |
| E1 | 1.15 | 1.25 | 1.35 | |
| е | | 0,65 BS | | |
| L | 0.10 | 0.15 | 0.30 | |

5X b

◆ 0.2 M B M

- PROTRUSIONS, OR GATE BURRS. MOLD FLASH, PROTRUSIONS, OR GATE BURRS SHALL NOT EXCEED 0.1016MM PER SIDE.

| <u> </u> | 0.50 | 5 |
|----------|------|---|

RECOMMENDED MOUNTING FOOTPRINT

For additional information on our Pb-Free strategy and soldering details, please download the DN Semiconductor Soldering and Mounting Techniques Reference Manual, SDLDERRM/D.

5. COLLECTOR

GENERIC MARKING DIAGRAM*



*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "■", may or may not be present. Some products may not follow the Generic Marking.

XXX = Specific Device Code

= Date Code

= Pb-Free Package

(Note: Microdot may be in either location)

| STYLE 1: | STYLE 2: | STYLE 3: | STYLE 4: | STYLE 5: |
|--------------------------------------|-----------------------------|-----------------------------|----------------------------|--------------------------------------------|
| PIN 1. BASE | PIN 1. ANODE | PIN 1. ANODE 1 | PIN 1. SOURCE 1 | PIN 1. CATHODE |
| 2. EMITTER | 2. EMITTER | 2. N/C | 2. DRAIN 1/2 | 2. COMMON ANODE |
| 3. BASE | 3. BASE | 3. ANODE 2 | SOURCE 1 | 3. CATHODE 2 |
| 4. COLLECTOR | COLLECTOR | CATHODE 2 | 4. GATE 1 | 4. CATHODE 3 |
| COLLECTOR | CATHODE | CATHODE 1 | 5. GATE 2 | 5. CATHODE 4 |
| | | | | |
| STYLE 6: | STYLE 7: | STYLE 8: | STYLE 9: | Note: Please refer to datasheet for |
| PIN 1. EMITTER 2 | PIN 1. BASE | PIN 1. CATHODE | PIN 1. ANODE | atula callout. If atula tupa is not called |
| 2. BASE 2 | 2. EMITTER | 2. COLLECTOR | 2. CATHODE | style callout. If style type is not called |
| 3. EMITTER 1 | 3. BASE | 3. N/C | 3. ANODE | out in the datasheet refer to the device |
| 4. COLLECTOR | COLLECTOR | 4. BASE | 4. ANODE | datasheet pinout or pin assignment. |
| COLLECTOR 2/BASE 1 | 5. COLLECTOR | 5. EMITTER | 5. ANODE | datasheet pinout of pin assignment. |

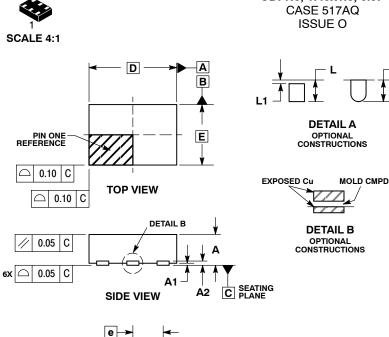
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|------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| DESCRIPTION: | SC-88A (SC-70-5/SOT-353) | | PAGE 1 OF 1 |

5. EMITTER

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5. COLLECTOR 2/BASE 1





6X L

6X b

Ф

0.10 | C | A | B

0.05 C NOTE 3

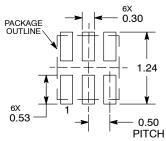
UDFN6, 1.45x1.0, 0.5P CASE 517AQ

DATE 15 MAY 2008

- NOTES:
 1. DIMENSIONING AND TOLERANCING PER
- ASME Y14.5M, 1994. CONTROLLING DIMENSION: MILLIMETERS.
- DIMENSION b APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN 0.15 AND 0.30 mm FROM THE TERMINAL TIP.

| | MILLIMETERS | | |
|-----|-------------|------|--|
| DIM | MIN | MAX | |
| Α | 0.45 | 0.55 | |
| A1 | 0.00 | 0.05 | |
| A2 | 0.07 REF | | |
| b | 0.20 | 0.30 | |
| D | 1.45 BSC | | |
| E | 1.00 BSC | | |
| е | 0.50 BSC | | |
| Ĺ | 0.30 | 0.40 | |
| L1 | | 0.15 | |

MOUNTING FOOTPRINT



DIMENSIONS: MILLIMETERS

GENERIC MARKING DIAGRAM*

BOTTOM VIEW



Χ = Specific Device Code

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot " ■", may or may not be present.

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|------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| DESCRIPTION: | UDFN6, 1.45x1.0, 0.5P | | PAGE 1 OF 1 |

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^{*}For additional information on our Pb-Free strategy and soldering details, please download the **onsemi** Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.







UDFN6, 1x1, 0.35P CASE 517BX **ISSUE O**

DATE 18 MAY 2011

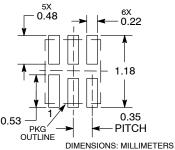


- 1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
- CONTROLLING DIMENSION: MILLIMETERS. DIMENSION b APPLIES TO PLATED TERMINAL AND IS MEASURED BETWEEN 0.15 AND 0.20 MM FROM TERMINAL TIP. 4. PACKAGE DIMENSIONS EXCLUSIVE OF
- BURRS AND MOLD FLASH.

| | MILLIMETERS | | |
|-----|-------------|------|--|
| DIM | MIN MAX | | |
| Α | 0.45 | 0.55 | |
| A1 | 0.00 | 0.05 | |
| A3 | 0.13 REF | | |
| b | 0.12 | 0.22 | |
| D | 1.00 BSC | | |
| E | 1.00 BSC | | |
| е | 0.35 BSC | | |
| L | 0.25 | 0.35 | |
| L1 | 0.30 | 0.40 | |

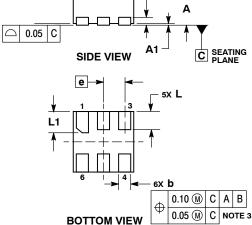
NOTES:

RECOMMENDED SOLDERING FOOTPRINT*



*For additional information on our Pb-Free strategy and soldering details, please download the onsemi Soldering and Mounting Techniques Reference Manual, SOLDERRM/D.

AB PIN ONE REFERENCE E 0.10 0.10 C **TOP VIEW** 0.05 C



GENERIC MARKING DIAGRAM*



X = Specific Device Code

M = Date Code

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|------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| DESCRIPTION: | UDFN6, 1x1, 0.35P | | PAGE 1 OF 1 |

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^{*}This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "■", may or may not be present. Some products may not follow the Generic Marking.

MILLIMFTERS

 $N\square M$

0.37

0.15

0.12

1.00

0.80

0.35 BSC

1.00

0.175

0.10

(REF)

-0.350

0.075

-0.200

MIN

0.34

0.10

0.07

0.95

0.75

0.95

0.125

0.05

DIM

Α

b

C

 \mathbb{D}

E

9 Н

L2

L3





SOT-953 1.00x0.80x0.37, 0.35P CASE 527AE **ISSUE F**

DATE 17 JAN 2024

MAX

0.40

0.20

0.17

1.05

0.85

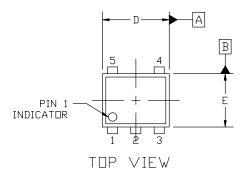
1.05

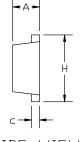
0.225

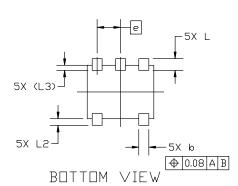
0.15

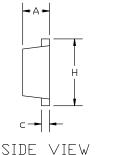
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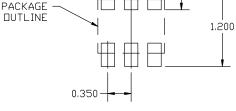
- DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 2018.
- CONTROLLING DIMENSION: MILLIMETERS.
- MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF THE BASE MATERIAL.
- 4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS.











RECOMMENDED MOUNTING FOOTPRINT

*For additional information on our Pb-Free strategy and soldering details, please download the DN Semiconductor Soldering and Mounting Techniques Reference Manual, SDLDERRM/D.

GENERIC MARKING DIAGRAM*



= Specific Device Code

= Month Code

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "■", may or may not be present. Some products may not follow the Generic Marking.

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|------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| DESCRIPTION: | SOT-953 1.00x0.80x0.37, 0.35P | | PAGE 1 OF 1 |

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