



DUAL SCHMITT TRIGGER BUFFERS

Description

The DIODES™ 74LVC2G17 is a dual Schmitt trigger buffer gate with standard push-pull outputs. The device is designed for operation with a power supply range of 1.65V to 5.5V. The inputs are tolerant to 5.5V allowing this device to be used in a mixed voltage environment. The device is fully specified for partial power down applications using IOFF. The IOFF circuitry disables the output preventing damaging current backflow when the device is powered down.

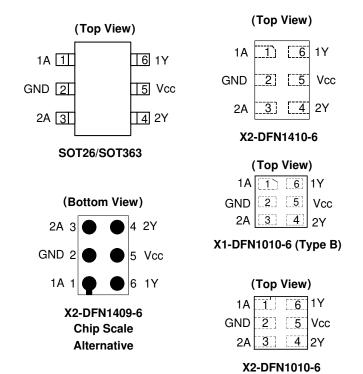
The gate performs the positive Boolean function:

Y = A

Features

- Wide Supply Voltage Range from 1.65V to 5.5V
- ±24mA Output Drive at 3.0V
- CMOS Low Power Consumption
- I_{OFF} Supports Partial-Power-Down Mode Operation
- Inputs Accept up to 5.5V
- ESD Protection Tested per JESD 22
- Exceeds 2000V Human Body Model (A114)
- Exceeds 1000V Charged Device Model (C101)
- Latch-up Exceeds 100mA per JESD 78, Class I
- X2-DFN1409-6 Package Designed as a Direct Replacement for Chip Scale Packaging
- Range of Package Options SOT26, SOT363,
 X1-DFN1010-6 (Type B), X2-DFN1010-6, X2-DFN1409-6, and
 X2-DFN1410-6
- Leadless Packages Named per JESD30E
- Totally Lead-Free & Fully RoHS Compliant (Notes 1 & 2)
- Halogen and Antimony Free. "Green" Device (Note 3)
- For automotive applications requiring specific change control (i.e. parts qualified to AEC-Q100/101/104/200, PPAP capable, and manufactured in IATF 16949 certified facilities), please <u>contact us</u> or your local Diodes representative. https://www.diodes.com/quality/product-definitions/

Pin Assignments



Applications

- Voltage level shifting
- General purpose logics
- Power down signal isolations
- Wide array of products such as:
 - PCs, networking, notebooks, netbooks, tablets
 - Computer peripherals, hard drives, SSD, CD/DVD ROM
 - TV, DVD, DVR, set-top boxes
 - Cell phones, personal navigations/GPS
 - MP3 players, cameras, video recorders

Notes:

- 1. No purposely added lead. Fully EU Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS 2) & 2015/863/EU (RoHS 3) compliant.
- 2. See https://www.diodes.com/quality/lead-free/ for more information about Diodes Incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.
- 3. Halogen- and Antimony-free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

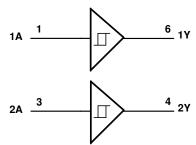
74LVC2G17 Document number: DS35164 Rev: 11 - 2



Pin Descriptions

| Pin Name | Pin Number | Function |
|----------|------------|----------------|
| 1A | 1 | Data Input |
| GND | 2 | Ground |
| 2A | 3 | Data Input |
| 2Y | 4 | Data Output |
| Vcc | 5 | Supply Voltage |
| 1Y | 6 | Data Output |

Logic Diagram



Function Table

| Inputs | Output |
|--------|--------|
| Α | Υ |
| Н | Н |
| L | L |

Absolute Maximum Ratings (Notes 4 & 5) (@TA = +25°C, unless otherwise specified.)

| Symbol | Parameter | Rating | Unit |
|-----------------|---|------------------------------|------|
| ESD HBM | Human Body Model ESD Protection | 2 | kV |
| ESD CDM | Charged Device Model ESD Protection | 1 | kV |
| Vcc | Supply Voltage Range | -0.5 to +6.5 | V |
| Vı | Input Voltage Range | -0.5 to +6.5 | V |
| Vo | Voltage Applied to Output in High Impedance or IOFF State | -0.5 to +6.5 | V |
| Vo | Voltage Applied to Output in High or Low State | -0.3 to V _{CC} +0.5 | V |
| I _{IK} | Input Clamp Current V _I < 0 | -50 | mA |
| Іок | Output Clamp Current Vo < 0 | -50 | mA |
| lo | Continuous Output Current | -50 | mA |
| _ | Continuous Current Through V _{DD} or GND | ±100 | mA |
| TJ | Operating Junction Temperature | -40 to +150 | °C |
| Tstg | Storage Temperature | -65 to +150 | °C |

Note:

- Stresses greater than those listed under *Absolute Maximum Ratings* can 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 Ratings* for extended periods can affect device reliability.
 Forcing the maximum allowed voltage could cause a condition exceeding the maximum current or conversely forcing the maximum current could cause a condition exceeding the maximum woltage. The ratings of both current and voltage must be maintained within the controlled range.



Recommended Operating Conditions (Note 6) (@TA = +25°C, unless otherwise specified.)

| Symbol | | Parameter | Min | Max | Unit | |
|--------|------------------------------------|--|------|------|------|--|
| \/ | Operating Voltage | Operating | 1.65 | 5.5 | V | |
| Vcc | Operating Voltage | Data Retention Only | 1.5 | _ | V | |
| Vı | Input Voltage | | 0 | 5.5 | V | |
| Vo | Output Voltage | | 0 | Vcc | V | |
| | | Vcc = 1.65V | _ | -4 | | |
| | | V _{CC} = 2.3V | _ | -8 | mA | |
| Іон | High-Level Output Current | V 0V | _ | -16 | | |
| | | Vcc = 3V | _ | -24 | | |
| | | V _{CC} = 4.5V | _ | -32 | | |
| | | Vcc = 1.65V | _ | 4 | | |
| | | Vcc = 2.3V | _ | 8 | | |
| loL | Low-Level Output Current | V 0V | _ | 16 | mA | |
| | | Vcc = 3V | _ | 24 | | |
| | | Vcc = 4.5V | _ | 32 | | |
| | | $V_{CC} = 1.8V \pm 0.15V, 2.5V \pm 0.2V$ | _ | 20 | | |
| Δt/ΔV | Input Transition Rise or Fall Rate | $V_{CC} = 3.3V \pm 0.3V$ | _ | 10 | ns/V | |
| | | $V_{CC} = 5V \pm 0.5V$ | _ | 5 | | |
| TA | Operating Free-Air Temperature | _ | -40 | +125 | °C | |

Note:

6. Unused inputs should be held at V_{CC} or Ground.



Electrical Characteristics (@T_A = +25°C, unless otherwise specified.)

| Symbol | Parameter | Test Conditions | V | -40°C to | +85°C | -40°C to | +125°C | Unit | |
|-------------|--|--|-----------------|-----------------------|-------|-----------------------|--------|------|--|
| Syllibol | Parameter | rest Conditions | V _{CC} | Min | Max | Min | Max | Unit | |
| | | | 1.8V | 0.70 | 1.50 | 0.70 | 1.70 | | |
| | | | 2.3V | 1.00 | 1.80 | 1.00 | 2.00 | | |
| V_{T+} | Positive-Going Input Threshold Voltage | _ | 3V | 1.30 | 2.20 | 1.30 | 2.40 | V | |
| | Threshold Voltage | | 4.5V | 1.90 | 3.10 | 1.90 | 3.30 | | |
| | | | 5.5V | 2.20 | 3.60 | 2.20 | 3.80 | | |
| | | | 1.8V | 0.25 | 0.90 | 0.25 | 1.10 | | |
| | | | 2.3V | 0.40 | 1.15 | 0.4 | 1.35 | | |
| V_{T-} | Negative-Going Input Threshold Voltage | _ | 3V | 0.60 | 1.50 | 0.6 | 1.7 | V | |
| | Threshold Voltage | | 4.5V | 1.00 | 2.00 | 1 | 2.2 | | |
| | | | 5.5V | 1.20 | 2.30 | 1.2 | 2.5 | | |
| | | | 1.8V | 0.15 | 1.00 | 0.15 | 1.2 | | |
| | ΔVτ Hysteresis (V _{T+} - V _{T-)} | | 2.3V | 0.25 | 1.10 | 0.25 | 1.3 | | |
| ΔVT | | _ | 3V | 0.40 | 1.20 | 0.40 | 1.40 | V | |
| | , , | | 4.5V | 0.60 | 1.50 | 0.60 | 1.70 | | |
| | | | 5.5V | 0.70 | 1.70 | 0.70 | 1.90 | | |
| | | I _{OH} = -100μA | 1.65V to 5.5V | V _{CC} - 0.1 | | V _{CC} - 0.1 | | | |
| | | I _{OH} = -4mA | 1.65V | 1.2 | | 0.95 | | | |
| ., | Library Control Vallage | Iон = -8mA | 2.3V | 1.9 | | 1.7 | | ., | |
| Vон | High-Level Output Voltage | I _{OH} = -16mA | 0)/ | 2.4 | | 2.2 | | V | |
| | | I _{OH} = -24mA | 3V | 2.3 | _ | 2.0 | | | |
| | | Iон = -32mA | 4.5V | 3.8 | _ | 3.4 | | | |
| | | I _{OL} = 100μA | 1.65V to 5.5V | _ | 0.1 | _ | 0.10 | | |
| | | I _{OL} = 4mA | 1.65V | _ | 0.45 | _ | 0.70 | | |
| ., | | I _{OL} = 8mA | 2.3V | _ | 0.3 | _ | 0.45 | 1 ,, | |
| Vol | Low-Level Output Voltage | I _{OL} = 16mA | 0) (| _ | 0.4 | _ | 0.60 | V | |
| | | I _{OL} = 24mA | 3V | _ | 0.55 | _ | 0.80 | | |
| | | IoL = 32mA | 4.5V | _ | 0.55 | _ | 0.80 | | |
| lı . | Input Current | V _I = 5.5V or GND | 0 to 5.5V | _ | ± 5 | _ | ± 20 | μΑ | |
| loff | Power Down Leakage Current | V _I or V _O = 5.5V | 0 | _ | ± 10 | _ | ± 20 | μΑ | |
| Icc | Supply Current | V _I = 5.5V or GND, I _O = 0 | 1.65V to 5.5V | _ | 10 | _ | 40 | μΑ | |



Package Characteristics (@TA = +25°C, VCC = 3.3V, unless otherwise specified.)

| Symbol | Parameter | Package | Conditions | Min | Тур | Max | Unit |
|--------|---------------------------------|-------------------------|---|-----|-----|-----|-------|
| Cı | Input Capacitance | Typical of all packages | Vcc = 3.3V V _I = V _{CC} or GND | _ | 3.5 | _ | pF |
| | | SOT26 | | _ | 204 | _ | |
| | | SOT363 |] | _ | 371 | _ | |
| 0 | Thermal Resistance Junction-to- | X2-DFN1410-6 | (Nata 7) | _ | 430 | _ | °C/W |
| θJA | Ambient | X2-DFN1409-6 | (Note 7) | _ | 450 | _ | - C/W |
| | | X1-DFN1010-6 (Type B) | | _ | 495 | _ | |
| | | X2-DFN1010-6 | | _ | 510 | _ | |
| | | SOT26 | | _ | 52 | _ | |
| | | SOT363 |] | _ | 143 | _ | |
| 0 | Thermal Resistance Junction-to- | X2-DFN1410-6 | (Nata 7) | _ | 190 | _ | 000 |
| θЈС | Case | X2-DFN1409-6 | (Note 7) | _ | 225 | _ | °C/W |
| | | X1-DFN1010-6 (Type B) | | _ | 245 | _ | |
| | | X2-DFN1010-6 | | _ | 250 | _ | |

Note:

Switching Characteristics

 $T_A = -40$ °C to +85°C, $C_L = 30$ pF or 50pF (See Figure 1)

| Parameter | From (Input) | - | | = 1.8V .15V | | = 2.5V).2V | | : 3.3V :3V | V _{CC} | = 5V).5V | Unit |
|-----------|-----------------|----------|-----|----------------|-----|----------------|-----|---------------|-----------------|--------------|------|
| | (input) | (Output) | Min | Max | Min | Max | Min | Max | Min | Max | |
| tpD | Α | Y | 0.5 | 10.5 | 0.5 | 6.5 | 0.5 | 5.7 | 0.5 | 4.3 | ns |

 $T_A = -40$ °C to +125°C, $C_L = 30$ pF or 50pF (See Figure 1)

| Parameter | From | - | | : 1.8V .15V | | : 2.5V).2V | | : 3.3V .3V | | = 5V).5V | Unit |
|-----------|---------|---|-----|----------------|-----|----------------|-----|---------------|-----|--------------|------|
| | (Input) | | Min | Max | Min | Max | Min | Max | Min | Max | |
| tpp | Α | Y | 0.5 | 13.1 | 0.5 | 8.5 | 0.5 | 7.1 | 0.5 | 5.4 | ns |

Operating Characteristics

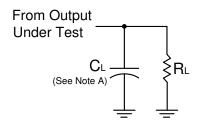
$T_A = +25^{\circ}C$

| Parameter | | Test | V _{CC} = 1.8V | V _{CC} = 2.5V | $V_{CC} = 3.3V$ | V _{CC} = 5V | Unit | |
|-----------|----------------------------------|------------|------------------------|------------------------|-----------------|----------------------|------|--|
| | raiailletei | Conditions | Тур | Тур | Тур | Тур | Oill | |
| CPD | Power Dissipation Capacitance | f = 10MHz | 17 | 19 | 20 | 21 | pF | |

^{7.} Test condition for all packages: Device mounted on FR-4 substrate PC board, 2oz copper with minimum recommended pad layout.



Parameter Measurement Information



| Vcc | Inp | outs | VM | C. | RL |
|-----------------|-----|--------------------------------|-------|------|-------|
| VCC | VI | t _R /t _F | V M | CL | NL NL |
| 1.8V ± 0.15V | Vcc | ≤ 2ns | Vcc/2 | 30pF | 1kΩ |
| 2.5V ± 0.2V | Vcc | ≤ 2ns | Vcc/2 | 30pF | 500Ω |
| $3.3V \pm 0.3V$ | 3V | ≤ 2.5ns | 1.5V | 50pF | 500Ω |
| 5V ± 0.5V | Vcc | ≤ 2.5ns | Vcc/2 | 50pF | 500Ω |

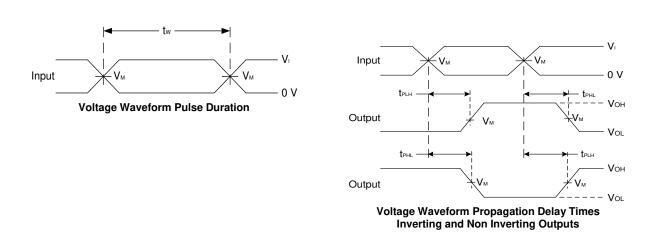


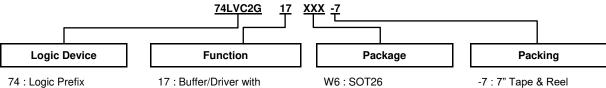
Figure 1 Load Circuit and Voltage Waveforms

Notes:

- A. Includes test lead and test apparatus capacitance.
 B. All pulses are supplied at pulse repetition rate ≤ 10MHz.
- C. Inputs are measured separately one transition per measurement.
- D. t_{PLH} and t_{PHL} are the same as t_{PD} .



Ordering Information



74 : Logic Prefix LVC : 1.65V to 5.5V Logic Family

2G: Two Gates

17 : Buffer/Driver with Schmitt Trigger Inputs W6: SOT26 DW: SOT363

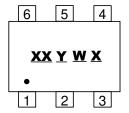
FW5: X1-DFN1010-6 (Type B) FW4: X2-DFN1010-6 FX4: X2-DFN1409-6 FZ4: X2-DFN1410-6

| Part Number | Part Number | Package | Deelsone (Note 9) | Dookono Cino | Packing | Packing (Note 9) | | |
|----------------|-------------|---------|--|--|---------|------------------|--|--|
| Part Number | Suffix | Code | Package (Note 8) | Package Size | Qty. | Carrier | | |
| 74LVC2G17W6-7 | -7 | W6 | SOT26 | 2.8mm x 2.2mm x 1.1mm 0.95mm Lead Pitch | 3000 | Tape & Reel | | |
| 74LVC2G17DW-7 | -7 | DW | SOT363 | 2.0mm x 2.0mm x 1.1mm 0.65mm Lead Pitch | 3000 | Tape & Reel | | |
| 74LVC2G17FW5-7 | -7 | FW5 | X1-DFN1010-6 (Type B) | 1.0mm x 1.0mm x 0.5mm 0.35mm Pad Pitch | 5000 | Tape & Reel | | |
| 74LVC2G17FW4-7 | -7 | FW4 | X2-DFN1010-6 | 1.0mm x 1.0mm x 0.4mm 0.35mm Pad Pitch | 5000 | Tape & Reel | | |
| 74LVC2G17FX4-7 | -7 | FX4 | X2-DFN1409-6 Chip Scale Alternative | 1.4mm x 0.9mm x 0.4mm 0.5mm Pad Pitch | 5000 | Tape & Reel | | |
| 74LVC2G17FZ4-7 | -7 | FZ4 | X2-DFN1410-6 | 1.4mm x 1.0mm x 0.4mm 0.5mm Pad Pitch | 5000 | Tape & Reel | | |

Notes: 8. Pad layout as shown on Diodes Incorporated's website at http://www.diodes.com/package-outlines.html.

Marking Information

(1) SOT26, SOT363



XX: Identification Code

 \underline{Y} : Year 0 to 9 (ex: 2 = 2022)

W: Week: A to Z: Week 1 to 26;

a to z: Week 27 to 52; z Represents

Week 52 and 53 X: A to Z: Internal Code

| Part Number | Package | Identification Code | | |
|---------------|---------|---------------------|--|--|
| 74LVC2G17W6-7 | SOT26 | Z6 | | |
| 74LVC2G17DW-7 | SOT363 | Z 6 | | |

^{9.} The taping orientation is located on our website at https://www.diodes.com/assets/Packaging-Support-Docs/ap02007.pdf.



Marking Information (continued)

(2) X1-DFN1010-6 (Type B), X2-DFN1010-6, X2-DFN1409-6, X2-DFN1410-6

(Top View)

<u>XX</u> • <u>Y W X</u> \underline{XX} : Identification Code \underline{Y} : Year 0 to 9 (ex: 2 = 2022) \underline{W} : Week: A to Z: Week 1 to 26;

a to z: Week 27 to 52; z Represents

Week 52 and 53 X: A to Z: Internal Code

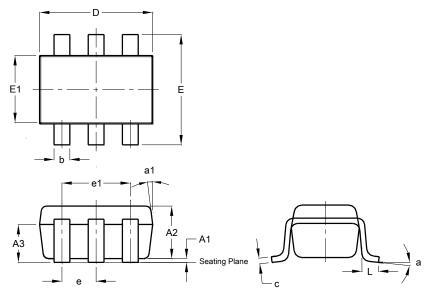
| Part Number | Package | Identification Code |
|----------------|-----------------------|---------------------|
| 74LVC2G17FW4-7 | X2-DFN1010-6 | Z6 |
| 74LVC2G17FW5-7 | X1-DFN1010-6 (Type B) | W6 |
| 74LVC2G17FX4-7 | X2-DFN1409-6 | X6 |
| 74LVC2G17FZ4-7 | X2-DFN1410-6 | Z6 |



Package Outline Dimensions

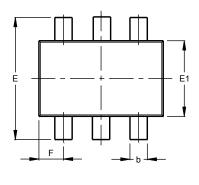
Please see http://www.diodes.com/package-outlines.html for the latest version.

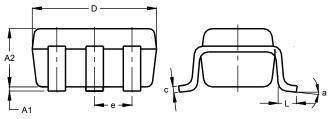
SOT26



| | SOT26 | | | |
|----------------------|-------|------|------|--|
| Dim | Min | Max | Тур | |
| A1 | 0.013 | 0.10 | 0.05 | |
| A2 | 1.00 | 1.30 | 1.10 | |
| A3 | 0.70 | 0.80 | 0.75 | |
| b | 0.35 | 0.50 | 0.38 | |
| С | 0.10 | 0.20 | 0.15 | |
| D | 2.90 | 3.10 | 3.00 | |
| е | - | - | 0.95 | |
| e1 | - | - | 1.90 | |
| Е | 2.70 | 3.00 | 2.80 | |
| E1 | 1.50 | 1.70 | 1.60 | |
| L | 0.35 | 0.55 | 0.40 | |
| а | - | - | 8° | |
| a1 | - | - | 7° | |
| All Dimensions in mm | | | | |

SOT363





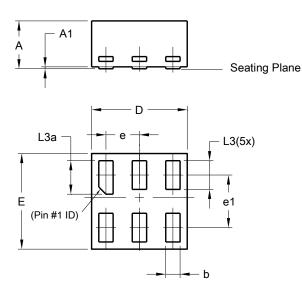
| SOT363 | | | |
|----------------------|-------------|------|-------|
| Dim | Min | Max | Тур |
| A 1 | 0.00 | 0.10 | 0.05 |
| A2 | 0.90 | 1.00 | 0.95 |
| b | 0.10 | 0.30 | 0.25 |
| С | 0.10 | 0.22 | 0.11 |
| D | 1.80 | 2.20 | 2.15 |
| Е | 2.00 | 2.20 | 2.10 |
| E1 | 1.15 | 1.35 | 1.30 |
| е | e 0.650 BSC | | |
| F | 0.40 | 0.45 | 0.425 |
| L | 0.25 | 0.40 | 0.30 |
| а | 0° | 8° | |
| All Dimensions in mm | | | |



Package Outline Dimensions (continued)

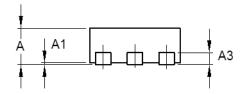
Please see http://www.diodes.com/package-outlines.html for the latest version.

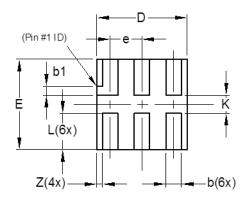
X1-DFN1010-6 (Type B)



| | X1-DFN1010-6 (Type B) | | | |
|----------------------|--------------------------|-------|------|--|
| Dim | <u> </u> | | | |
| Α | - | 0.50 | 0.39 | |
| A1 | - | 0.04 | - | |
| b | 0.12 | 0.20 | 0.15 | |
| D | 0.95 | 1.050 | 1.00 | |
| Е | 0.95 | 1.050 | 1.00 | |
| е | 0.35 BSC | | | |
| e1 | 0.55 BSC | | | |
| L3 | 0.27 | 0.30 | 0.30 | |
| L3a | 0.32 | 0.40 | 0.35 | |
| All Dimensions in mm | | | | |

X2-DFN1010-6





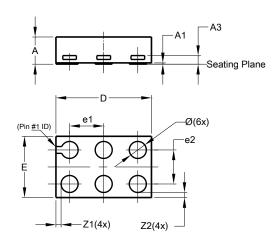
| X2-DFN1010-6 | | | |
|----------------------|------|------|-------|
| Dim | Min | Max | Тур |
| Α | _ | 0.40 | 0.39 |
| A 1 | 0.00 | 0.05 | 0.02 |
| A3 | _ | _ | 0.13 |
| b | 0.14 | 0.20 | 0.17 |
| b1 | 0.05 | 0.15 | 0.10 |
| D | 0.95 | 1.05 | 1.00 |
| Е | 0.95 | 1.05 | 1.00 |
| е | | _ | 0.35 |
| L | 0.35 | 0.45 | 0.40 |
| K | 0.15 | _ | |
| Z | _ | _ | 0.065 |
| All Dimensions in mm | | | |



Package Outline Dimensions (continued)

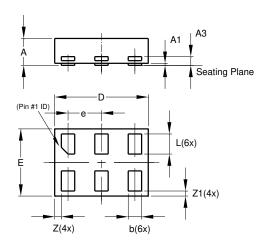
Please see http://www.diodes.com/package-outlines.html for the latest version.

X2-DFN1409-6



| | X2-DFN1409-6 | | | |
|----------------------|-----------------|------|-------|--|
| Dim | Dim Min Max Typ | | | |
| Α | 1 | 0.40 | 0.39 | |
| A1 | 0 | 0.05 | 0.02 | |
| A3 | 1 | - | 0.13 | |
| Ø | 0.20 | 0.30 | 0.25 | |
| D | 1.35 | 1.45 | 1.40 | |
| Е | 0.85 | 0.95 | 0.90 | |
| e1 | 1 | - | 0.50 | |
| e2 | - | - | 0.50 | |
| Z 1 | - | - | 0.075 | |
| Z 2 | ı | - | 0.075 | |
| All Dimensions in mm | | | | |

X2-DFN1410-6



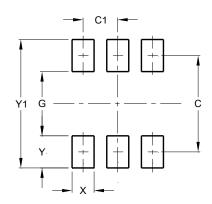
| X2-DFN1410-6 | | | |
|----------------------|-------|-------|-------|
| Dim | Min | Max | Тур |
| Α | | 0.40 | 0.39 |
| A 1 | 0.00 | 0.05 | 0.02 |
| A3 | _ | | 0.13 |
| b | 0.15 | 0.25 | 0.20 |
| D | 1.35 | 1.45 | 1.40 |
| Е | 0.95 | 1.05 | 1.00 |
| е | | | 0.50 |
| L | 0.25 | 0.35 | 0.30 |
| Z | _ | | 0.10 |
| Z1 | 0.045 | 0.105 | 0.075 |
| All Dimensions in mm | | | |



Suggested Pad Layout

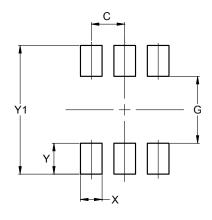
 $Please see \ http://www.diodes.com/package-outlines.html \ for \ the \ latest \ version.$

SOT26



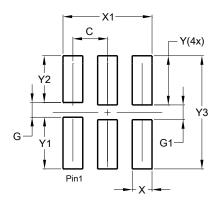
| Dimensions | Value (in mm) |
|------------|---------------|
| С | 2.40 |
| C1 | 0.95 |
| G | 1.60 |
| Х | 0.55 |
| Υ | 0.80 |
| Y1 | 3.20 |

SOT363



| Dimensions | Value (in mm) |
|------------|------------------|
| С | 0.650 |
| G | 1.300 |
| Х | 0.420 |
| Y | 0.600 |
| Y1 | 2.500 |

X1-DFN1010-6 (Type B)



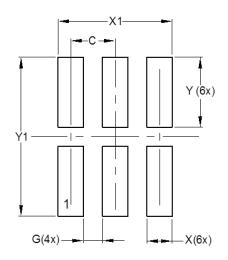
| Dimensions | Value (in mm) |
|------------|------------------|
| С | 0.350 |
| G | 0.150 |
| G1 | 0.150 |
| X | 0.200 |
| X1 | 0.900 |
| Υ | 0.500 |
| Y1 | 0.525 |
| Y2 | 0.475 |
| Y3 | 1.150 |



Suggested Pad Layout (continued)

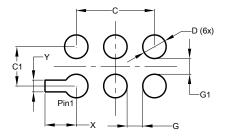
Please see http://www.diodes.com/package-outlines.html for the latest version.

X2-DFN1010-6



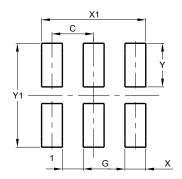
| Dimensions | Value (in mm) |
|------------|------------------|
| С | 0.350 |
| G | 0.150 |
| Х | 0.200 |
| X1 | 0.900 |
| Υ | 0.550 |
| Y1 | 1.250 |

X2-DFN1409-6



| Dimensions | Value (in mm) |
|------------|------------------|
| С | 1.000 |
| C1 | 0.500 |
| D | 0.300 |
| G | 0.200 |
| G1 | 0.200 |
| Х | 0.400 |
| Υ | 0.150 |

X2-DFN1410-6



| Dimensions | Value (in mm) |
|------------|------------------|
| С | 0.500 |
| G | 0.250 |
| X | 0.250 |
| X1 | 1.250 |
| Υ | 0.525 |
| Y1 | 1.250 |



Mechanical Data

SOT26

- Moisture Sensitivity: Level 1 per J-STD-020
- Terminals: Finish Matte Tin Plated Leads, Solderable per MIL-STD-202, Method 208 @3
- Weight: 0.016 grams (Approximate)

SOT363

- Moisture Sensitivity: Level 1 per J-STD-020
- Terminals: Finish Matte Tin Plated Leads, Solderable per MIL-STD-202, Method 208 @3
- Weight: 0.006 grams (Approximate)

X1-DFN1010-6 (Type B)

- Moisture Sensitivity: Level 1 per J-STD-020
- Terminals: Finish NiPdAu Nickel Palladium Gold, Solderable per MIL-STD-202, Method 208 @
- Weight: 0.001 grams (Approximate)

X2-DFN1010-6

- Moisture Sensitivity: Level 1 per J-STD-020
- Terminals: Finish NiPdAu Nickel Palladium Gold, Solderable per MIL-STD-202, Method 208 @
- Weight: 0.001 grams (Approximate)

X2-DFN1409-6

- Moisture Sensitivity: Level 1 per J-STD-020
- Terminals: Finish NiPdAu Nickel Palladium Gold, Solderable per MIL-STD-202, Method 208 @
- Weight: 0.002 grams (Approximate)

X2-DFN1410-6

- Moisture Sensitivity: Level 1 per J-STD-020
- Terminals: Finish NiPdAu Nickel Palladium Gold, Solderable per MIL-STD-202, Method 208 @
- Weight: 0.002 grams (Approximate)



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