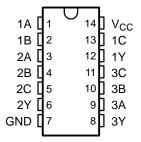
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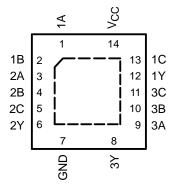
FEATURES

- Operates From 1.65 V to 3.6 V
- Specified From -40°C to 85°C and - 40°C to 125°C
- Inputs Accept Voltages to 5.5 V
- Max t_{pd} of 4.9 ns at 3.3 V
- Typical V_{OLP} (Output Ground Bounce)
 < 0.8 V at V_{CC} = 3.3 V, T_A = 25°C
- Typical V_{OHV} (Output V_{OH} Undershoot)
 2 V at V_{CC} = 3.3 V, T_A = 25°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)

D, DB, NS, OR PW PACKAGE (TOP VIEW)



RGY PACKAGE (TOP VIEW)



DESCRIPTION/ORDERING INFORMATION

This triple 3-input positive-NAND gate is designed for 1.65-V to 3.6-V V_{CC} operation.

The SN74LVC10A performs the Boolean function $Y = \overline{A \cdot B \cdot C}$ or $Y = \overline{A} + \overline{B} + \overline{C}$ 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.

ORDERING INFORMATION

T _A	P/	ACKAGE ⁽¹⁾	ORDERABLE PART NUMBER	TOP-SIDE MARKING	
-40°C to 85°C	C to 85°C QFN – RGY		SN74LVC10ARGYR	LC10A	
SOI		Tube of 50	SN74LVC10AD		
	SOIC - D	Reel of 2500	SN74LVC10ADR	LVC10A	
		Reel of 250	SN74LVC10ADT		
4000 to 40500	SOP - NS	Reel of 2000	SN74LVC10ANSR	LVC10A	
–40°C to 125°C	SSOP - DB	Reel of 2000	SN74LVC10ADBR	LC10A	
		Tube of 90	SN74LVC10APW		
	TSSOP - PW	Reel of 2000	SN74LVC10APWR	LC10A	
		Reel of 250	SN74LVC10APWT		

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



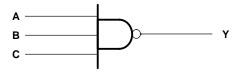
Please be aware that an important notice concerning availability, standard warranty, and use in critical applications of Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.



FUNCTION TABLE (EACH GATE)

	INPUTS	OUTPUT	
Α	В	С	Υ
Н	Н	Н	L
L	X	X	Н
Х	L	X	Н
Х	Χ	L	Н

LOGIC DIAGRAM, EACH GATE (POSITIVE LOGIC)



Absolute Maximum Ratings (1)

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

			MIN	MAX	UNIT
V _{CC}	Supply voltage range		-0.5	6.5	V
VI	Input voltage range ⁽²⁾		-0.5	6.5	V
Vo	Output voltage range ⁽²⁾⁽³⁾		-0.5	V _{CC} + 0.5	V
I _{IK}	Input clamp current	V ₁ < 0		-50	mA
I _{OK}	Output clamp current	V _O < 0		-50	mA
Io	Continuous output current			±50	mA
	Continuous current through V _{CC} or GND			±100	mA
		D package ⁽⁴⁾		86	
		DB package ⁽⁴⁾		96	
θ_{JA}	Package thermal impedance	put clamp current $V_{I} < 0$ utput clamp current $V_{O} < 0$ utput clamp current $V_{O} < 0$ untinuous output current untinuous current through V_{CC} or GND D package $^{(4)}$ DB package $^{(4)}$ NS package $^{(4)}$ PW package $^{(4)}$ RGY package $^{(5)}$		76	°C/W
		PW package ⁽⁴⁾		113	
		RGY package ⁽⁵⁾		47	
T _{stg}	Storage temperature range		-65	150	°C
P _{tot}	Power dissipation	$T_A = -40^{\circ}\text{C to } 125^{\circ}\text{C}^{(6)(7)}$		500	mW

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.

- The input and output negative-voltage ratings may be exceeded if the input and output current ratings are observed. The value of V_{CC} is provided in the recommended operating conditions table.
- The package thermal impedance is calculated in accordance with JESD 51-7.

- The package thermal impedance is calculated in accordance with JESD 51-5. For the D package: above 70°C, the value of P_{tot} derates linearly with 8 mW/K. For the DB, NS, and PW packages: above 60°C, the value of P_{tot} derates linearly with 5.5 mW/K.





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Recommended Operating Conditions(1)

			T _A =	25°C	-40 To	O 85°C	-40 TC	125°C	UNIT
			MIN	MAX	MIN	MAX	MIN	MAX	UNII
\/	Cupply voltage	Operating	1.65	3.6	1.65	3.6	1.65	3.6	V
V _{CC}	Supply voltage	Data retention only	1.5		1.5		1.5	V	
		V _{CC} = 1.65 V to 1.95 V	$0.65 \times V_{CC}$		$0.65 \times V_{CC}$		$0.65 \times V_{CC}$		
V_{IH}	High-level input voltage	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	1.7		1.7		1.7		V
	vollago	V _{CC} = 2.7 V to 3.6 V	2		2		2		
		V _{CC} = 1.65 V to 1.95 V		$0.35 \times V_{CC}$		$0.35 \times V_{CC}$		$0.35 \times V_{CC}$	
V_{IL}	voltage	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		0.7		0.7	0.7		V
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$		0.8		0.8		0.8	
V_{I}	Input voltage		0	5.5	0	5.5	0	5.5	V
Vo	Output voltage		0	V_{CC}	0	V _{CC}	0	V _{CC}	V
		V _{CC} = 1.65 V		-4		-4		-4	
	High-level	V _{CC} = 2.3 V		-8		-8		-8	mA
I _{OH}	output current	V _{CC} = 2.7 V		-12		-12		-12	ША
		V _{CC} = 3 V		-24		-24		-24	
		V _{CC} = 1.65 V		4		4		4	
	Low-level output	V _{CC} = 2.3 V		8	8		8		mA
l _{OL}	current	V _{CC} = 2.7 V		12		12		12	IIIA
		V _{CC} = 3 V		24		24		24	

⁽¹⁾ All unused inputs of the device must be held at V_{CC} 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)

PAR-	TEST CONDITIONS	V	T _A =	= 25°C	-40 TO 85	5°C	-40 TO 12	25°C	UNIT
AMETER	TEST CONDITIONS	V _{cc}	MIN	TYP MAX	MIN	MAX	MIN	MAX	UNIT
	$I_{OH} = -100 \mu A$	1.65 V to 3.6 V	V _{CC} - 0.2		V _{CC} - 0.2		$V_{CC} - 0.3$		
	$I_{OH} = -4 \text{ mA}$	1.65 V	1.29		1.2		1.05		
V	$I_{OH} = -8 \text{ mA}$	2.3 V	1.9		1.7		1.55		V
V _{OH}	1. 10 m A	2.7 V	2.2		2.2		2.05		V
	$I_{OH} = -12 \text{ mA}$	3 V	2.4		2.4		2.25		
	$I_{OH} = -24 \text{ mA}$	3 V	2.3		2.2		2		
	I _{OL} = 100 μA	1.65 V to 3.6 V		0.1		0.2		0.3	
	I _{OL} = 4 mA	1.65 V		0.24		0.45		0.6	
V _{OL}	I _{OL} = 8 mA	2.3 V		0.3		0.7		0.75	V
	I _{OL} = 12 mA	2.7 V		0.4		0.4		0.6	
	I _{OL} = 24 mA	3 V		0.55		0.55		0.8	
I	V _I = 5.5 V or GND	3.6 V		±1		±5		±20	μΑ
I _{CC}	$V_I = V_{CC}$ or GND, $I_O = 0$	3.6 V		1		10		40	μΑ
Δl _{CC}	One input at V_{CC} – 0.6 V, Other inputs at V_{CC} or GND	2.7 V to 3.6 V		500		500		5000	μΑ
C _i	$V_I = V_{CC}$ or GND	3.3 V		5					pF

SN74LVC10A TRIPLE 3-INPUT POSITIVE-NAND GATE

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SWITCHING CHARACTERISTICS

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

PARAMETER	FROM	TO (OUTPUT)	V _{CC}	T _A = 25°C			-40 TO	85°C	-40 TO 125°C		UNIT
PARAMETER	(INPUT)			MIN	TYP	MAX	MIN	MAX	MIN	MAX	ONT
			1.8 V ± 0.15 V	1	4.2	10.1	1	10.6	1	12.1	
	A, B, or C	Y	2.5 V ± 0.2 V	1	2.9	7.3	1	7.8	1	9.9	ns
t _{pd}			2.7 V	1	3.1	5.6	1	5.8	1	7.4	
			$3.3~V\pm0.3~V$	1	2.7	4.7	1	4.9	1	6	
t _{sk(o)}			$3.3~V\pm0.3~V$					1		1.5	ns

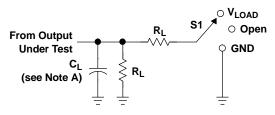
Operating Characteristics

 $T_A = 25^{\circ}C$

	PARAMETER	TEST CONDITIONS	V _{cc}	TYP	UNIT
			1.8 V	9	pF
C _{pd}	Power dissipation capacitance per gate	f = 10 MHz	2.5 V	10	
ρū			3.3 V	11	



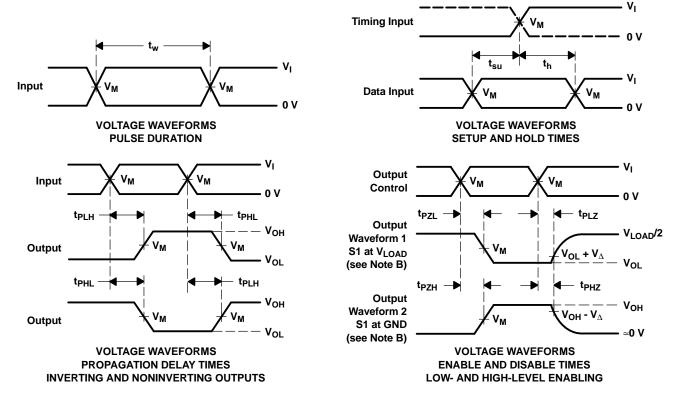
PARAMETER MEASUREMENT INFORMATION



TEST	S1
t _{PLH} /t _{PHL}	Open
t _{PLZ} /t _{PZL}	V _{LOAD}
t _{PHZ} /t _{PZH}	GND

LOAD CIRCUIT

.,	INF	PUTS	.,	.,		_	.,
V _{CC}	V _I	t _r /t _f	V _M	V _{LOAD}	CL	R _L	$oldsymbol{V}_\Delta$
1.8 V ± 0.15 V	v _{cc}	≤2 ns	V _{CC} /2	2×V _{CC}	30 pF	1 k Ω	0.15 V
2.5 V \pm 0.2 V	V _{CC}	≤2 ns	V _{CC} /2	2×V _{CC}	30 pF	500 Ω	0.15 V
2.7 V	2.7 V	≤2.5 ns	1.5 V	6 V	50 pF	500 Ω	0.3 V
3.3 V \pm 0.3 V	2.7 V	≤2.5 ns	1.5 V	6 V	50 pF	500 Ω	0.3 V



NOTES: A. C_L 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, $Z_0 = 50 \ \Omega$.
- D. The outputs are measured one at a time, with one transition per measurement.
- E. t_{PLZ} and t_{PHZ} are the same as t_{dis} .
- F. $\,t_{PZL}$ and t_{PZH} are the same as $t_{en}.$
- G. t_{PLH} and t_{PHL} are the same as t_{pd} .
- H. All parameters and waveforms are not applicable to all devices.

Figure 1. Load Circuit and Voltage Waveforms





10-Jun-2014

PACKAGING INFORMATION

Orderable Device	Status	Package Type	_	Pins	Package	Eco Plan	Lead/Ball Finish	MSL Peak Temp	Op Temp (°C)	Device Marking	Samples
	(1)		Drawing		Qty	(2)	(6)	(3)		(4/5)	
SN74LVC10AD	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LVC10A	Sample
SN74LVC10ADBLE	OBSOLETE	SSOP	DB	14		TBD	Call TI	Call TI	-40 to 125		
SN74LVC10ADBR	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LC10A	Sample
SN74LVC10ADBRE4	ACTIVE	SSOP	DB	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LC10A	Sample
SN74LVC10ADG4	ACTIVE	SOIC	D	14	50	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LVC10A	Sample
SN74LVC10ADR	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LVC10A	Sample
SN74LVC10ADRG4	ACTIVE	SOIC	D	14	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LVC10A	Sample
SN74LVC10ADT	ACTIVE	SOIC	D	14	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LVC10A	Sample
SN74LVC10ANSR	ACTIVE	SO	NS	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LVC10A	Sample
SN74LVC10APW	ACTIVE	TSSOP	PW	14	90	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LC10A	Sample
SN74LVC10APWLE	OBSOLETE	TSSOP	PW	14		TBD	Call TI	Call TI	-40 to 125		
SN74LVC10APWR	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LC10A	Sampl
SN74LVC10APWRE4	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	LC10A	Sampl
SN74LVC10APWRG4	ACTIVE	TSSOP	PW	14	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LC10A	Sampl
SN74LVC10APWT	ACTIVE	TSSOP	PW	14	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 125	LC10A	Sampl
SN74LVC10ARGYR	ACTIVE	VQFN	RGY	14	3000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1 YEAR	-40 to 125	LC10A	Sampl

⁽¹⁾ The marketing status values are defined as follows: **ACTIVE:** Product device recommended for new designs.

LIFEBUY: TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.

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.



PACKAGE OPTION ADDENDUM

10-Jun-2014

PREVIEW: Device has been announced but is not in production. Samples may or may not be available.

OBSOLETE: TI has discontinued the production of the device.

(2) 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)

- (3) MSL, Peak Temp. The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.
- (4) There may be additional marking, which relates to the logo, the lot trace code information, or the environmental category on the device.
- (5) Multiple Device Markings will be inside parentheses. Only one Device Marking contained in parentheses and separated by a "~" will appear on a device. If a line is indented then it is a continuation of the previous line and the two combined represent the entire Device Marking for that device.
- (6) Lead/Ball Finish Orderable Devices may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead/Ball Finish values may wrap to two lines if the finish value exceeds the maximum column width.

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PACKAGE MATERIALS INFORMATION

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TAPE AND REEL INFORMATION





	Dimension designed to accommodate the component width
В0	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

QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



*All dimensions are nominal

Device	Package Type	Package Drawing		SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
SN74LVC10ADBR	SSOP	DB	14	2000	330.0	16.4	8.2	6.6	2.5	12.0	16.0	Q1
SN74LVC10ADR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
SN74LVC10ADT	SOIC	D	14	250	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
SN74LVC10ANSR	SO	NS	14	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
SN74LVC10APWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
SN74LVC10APWT	TSSOP	PW	14	250	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
SN74LVC10ARGYR	VQFN	RGY	14	3000	330.0	12.4	3.75	3.75	1.15	8.0	12.0	Q1

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*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
SN74LVC10ADBR	SSOP	DB	14	2000	367.0	367.0	38.0
SN74LVC10ADR	SOIC	D	14	2500	367.0	367.0	38.0
SN74LVC10ADT	SOIC	D	14	250	367.0	367.0	38.0
SN74LVC10ANSR	SO	NS	14	2000	367.0	367.0	38.0
SN74LVC10APWR	TSSOP	PW	14	2000	367.0	367.0	35.0
SN74LVC10APWT	TSSOP	PW	14	250	367.0	367.0	35.0
SN74LVC10ARGYR	VQFN	RGY	14	3000	367.0	367.0	35.0

D (R-PDSO-G14)

PLASTIC SMALL OUTLINE



- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- 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.
- 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



- 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



- A. All linear dimensions are in millimeters. Dimensioning and tolerancing per ASME Y14.5M—1994.
- B. This drawing is subject to change without notice.
 - Sody length does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed 0,15 each side.
- Body width does not include interlead flash. Interlead flash shall not exceed 0,25 each side.
- E. Falls within JEDEC MO-153



PW (R-PDSO-G14)

PLASTIC SMALL OUTLINE



- 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.





NOTES: A. All linear dimensions are in millimeters. Dimensioning and tolerancing per ASME Y14.5M-1994.

- B. This drawing is subject to change without notice.
- C. QFN (Quad Flatpack No-Lead) package configuration.
- D. The package thermal pad must be soldered to the board for thermal and mechanical performance.
- E. See the additional figure in the Product Data Sheet for details regarding the exposed thermal pad features and dimensions.
- 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.

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



Bottom View

Exposed Thermal Pad Dimensions

4206353-2/P 03/14

NOTE: All linear dimensions are in millimeters



RGY (S-PVQFN-N14)

PLASTIC QUAD FLATPACK NO-LEAD



- 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. 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.
- E. 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.
- F. Customers should contact their board fabrication site for minimum solder mask web tolerances between signal pads.



MECHANICAL DATA

NS (R-PDSO-G**)

14-PINS SHOWN

PLASTIC SMALL-OUTLINE PACKAGE



- 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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