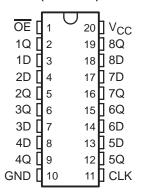
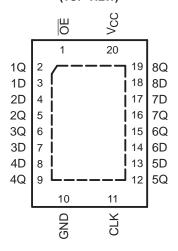
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- 2-V to 5.5-V V_{CC} Operation
- Max t_{pd} of 9.5 ns at 5 V
- Typical V_{OLP} (Output Ground Bounce)
 <0.8 V at V_{CC} = 3.3 V, T_A = 25°C
- Typical V_{OHV} (Output V_{OH} Undershoot)
 >2.3 V at V_{CC} = 3.3 V, T_A = 25°C
- Support Mixed-Mode Voltage Operation on All Ports
- I_{off} Supports Partial-Power-Down Mode Operation
- Latch-Up Performance Exceeds 250 mA Per JESD 17
- ESD Protection Exceeds JESD 22
 - 2000-V Human-Body Model (A114-A)
 - 200-V Machine Model (A115-A)
 - 1000-V Charged-Device Model (C101)

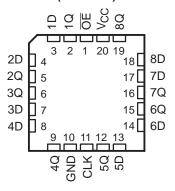
SN54LV374A . . . J OR W PACKAGE SN74LV374A . . . DB, DGV, DW, NS, OR PW PACKAGE (TOP VIEW)



SN74LV374A . . . RGY PACKAGE (TOP VIEW)



SN54LV374A . . . FK PACKAGE (TOP VIEW)



description/ordering information

The 'LV374A devices are octal edge-triggered D-type flip-flops designed for 2-V to 5.5-V V_{CC} operation.

ORDERING INFORMATION

TA	PACK	AGE†	ORDERABLE PART NUMBER	TOP-SIDE MARKING
	QFN – RGY	Reel of 1000	SN74LV374ARGYR	LV374A
	0010 014	Tube of 25	SN74LV374ADW	11/0744
	SOIC - DW	Reel of 2000	SN74LV374ADWR	LV374A
	SOP – NS	Reel of 2000	SN74LV374ANSR	74LV374A
400C to 050C	SSOP – DB	Reel of 2000	SN74LV374ADBR	LV374A
–40°C to 85°C		Tube of 70	SN74LV374APW	LV374A
	TSSOP - PW	Reel of 2000	SN74LV374APWR	LV374A
		Reel of 250	SN74LV374APWT	LV374A
	TVSOP – DGV	Reel of 2000	SN74LV374ADGVR	LV374A
	VFBGA – GQN	Reel of 1000	SN74LV374AGQNR	LV374A
	CDIP – J	Tube of 20	SNJ54LV374AJ	SNJ54LV374AJ
–55°C to 125°C	CFP – W	Tube of 85	SNJ54LV374AW	SNJ54LV374AW
	LCCC – FK	Tube of 55	SNJ54LV374AFK	SNJ54LV374AFK

[†] Package drawings, standard packing quantities, thermal data, symbolization, and PCB design guidelines are available at www.ti.com/sc/package.



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description/ordering information (continued)

These devices feature 3-state outputs designed specifically for driving highly capacitive or relatively low-impedance loads. They are particularly suitable for implementing buffer registers, I/O ports, bidirectional bus drivers, and working registers.

On the positive transition of the clock (CLK) input, the Q outputs are set to the logic levels set up at the data (D) inputs.

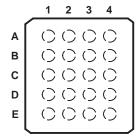
A buffered output-enable (\overline{OE}) input can be used to place the eight outputs in either a normal logic state (high or low logic levels) or high-impedance state. In the high-impedance state, the outputs neither load nor drive the bus lines significantly. The high-impedance state and the increased drive provide the capability to drive bus lines without need for interface or pullup components.

OE does not affect internal operations of the latch. Old data can be retained or new data can be entered while the outputs are in the high-impedance state.

To ensure the high-impedance state during power up or power down, \overline{OE} should be tied to V_{CC} through a pullup resistor; the minimum value of the resistor is determined by the current-sinking capability of the driver.

These devices are fully specified for partial-power-down applications using I_{off}. The I_{off} circuitry disables the outputs, preventing damaging current backflow through the devices when they are powered down.

GQN PACKAGE (TOP VIEW)



terminal assignments

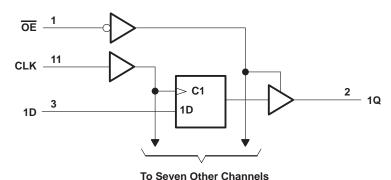
	1	2	3	4
Α	1Q	OE	Vcc	8Q
В	2D	7D	1D	8D
С	3Q	2Q	6Q	7Q
D	4D	5D	3D	6D
Е	GND	4Q	CLK	5Q

FUNCTION TABLE (each flip-flop)

	INPUTS		OUTPUT
OE	CLK	Q	
L	↑	Н	Н
L	\uparrow	L	L
L	L	Χ	Q_0
Н	X	Χ	Z

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logic diagram (positive logic)



Pin numbers shown are for the DB, DGV, DW, FK, J, NS, PW, RGY, and W packages.

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

Supply voltage range, V _{CC}	
Voltage range applied to any output in the high-impedance or power-off state, V_O (see Note 1)	0.5 V to V _{CC} + 0.5 V 20 mA
Continuous output current, I_O ($V_O = 0$ to V_{CC}) Continuous current through V_{CC} or GND	±35 mA
Package thermal impedance, θ_{JA} (see Note 3): DB package	70°C/W
(see Note 3): DGV package	
(see Note 3): GQN package	78°C/W
(see Note 3): PW package	83°C/W
(see Note 4): RGY package	

[†] 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. This value is limited to 5.5 V maximum.
 - 3. The package thermal impedance is calculated in accordance with JESD 51-7.
 - 4. The package thermal impedance is calculated in accordance with JESD 51-5.



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recommended operating conditions (see Note 5)

			SN54L	.V374A	SN74L	.V374A	
			MIN	MAX	MIN	MAX	UNIT
Vcc	Supply voltage		2	5.5	2	5.5	V
		V _{CC} = 2 V	1.5		1.5		
.,	I Pale Tarrel Conset codes as	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	V _{CC} ×0.7		$V_{CC} \times 0.7$.,
VIH	High-level input voltage	$V_{CC} = 3 \text{ V to } 3.6 \text{ V}$	$V_{CC} \times 0.7$		$V_{CC} \times 0.7$		V
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	$V_{CC} \times 0.7$		$V_{CC} \times 0.7$		
		V _{CC} = 2 V		0.5		0.5	
.,	Lauria de la contratta de	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		$V_{CC} \times 0.3$		$V_{CC} \times 0.3$	V
V_{IL}	Low-level input voltage	V _{CC} = 3 V to 3.6 V		V _{CC} ×0.3		$V_{CC} \times 0.3$	V
		V _{CC} = 4.5 V to 5.5 V		V _{CC} ×0.3		$V_{CC} \times 0.3$	
٧ı	Input voltage		0	5.5	0	5.5	V
.,	Output with an	High or low state	0	√Vcc	0	VCC	
VO	Output voltage	3-state	0 ,	5.5	0	5.5	V
		V _{CC} = 2 V	20	-50		-50	μΑ
	LPak Israel systems account	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	20	-2		-2	
ЮН	High-level output current	V _{CC} = 3 V to 3.6 V	Q	-8		-8	mA
		V _{CC} = 4.5 V to 5.5 V		-16		-16	
		V _{CC} = 2 V		50		50	μА
	Landard autout arms of	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		2		2	
lOL	Low-level output current	V _{CC} = 3 V to 3.6 V		8		8	mA
		V _{CC} = 4.5 V to 5.5 V		16		16	
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		200		200	
Δt/Δν	Input transition rise or fall rate	V _{CC} = 3 V to 3.6 V		100		100	ns/V
		V _{CC} = 4.5 V to 5.5 V		20		20	
TA	Operating free-air temperature		-55	125	-40	85	°C

NOTE 5: 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)

			SN5	4LV374A		SN74	LV374A	١	
PARAMETER	TEST CONDITIONS	vcc	MIN	TYP	MAX	MIN	TYP	MAX	UNIT
	I _{OH} = -50 μA	2 V to 5.5 V	V _{CC} -0.1			V _{CC} -0.1			
	$I_{OH} = -2 \text{ mA}$	2.3 V	2			2			V
VOH	$I_{OH} = -8 \text{ mA}$	3 V	2.48			2.48			V
	$I_{OH} = -16 \text{ mA}$	4.5 V	3.8	N.		3.8			
	I _{OL} = 50 μA	2 V to 5.5 V		N.	0.1			0.1	
V - :	$I_{OL} = 2 \text{ mA}$	2.3 V		200	0.4			0.4	V
VOL	$I_{OL} = 8 \text{ mA}$	3 V		5	0.44			0.44	V
	I _{OL} = 16 mA	4.5 V	1/6	5	0.55			0.55	
lį	$V_I = 5.5 \text{ V or GND}$	0 to 5.5 V	0		±1			±1	μΑ
loz	$V_O = V_{CC}$ or GND	5.5 V	Q.		±5			±5	μΑ
lcc	$V_I = V_{CC}$ or GND, $I_O = 0$	5.5 V			20			20	μΑ
l _{off}	V_I or $V_O = 0$ to 5.5 V	0			5			5	μΑ
Ci	$V_I = V_{CC}$ or GND	3.3 V		2.9			2.9		pF

PRODUCT PREVIEW information concerns products in the formative or design phase of development. Characteristic data and other specifications are design goals. Texas Instruments reserves the right to change or discontinue these products without notice.



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timing requirements over recommended operating free-air temperature range, V_{CC} = 2.5 V \pm 0.2 V (unless otherwise noted) (see Figure 1)

		T _A = 25°C	SN54LV374A	SN74LV374A	
		MIN MAX	MIN MAX	MIN MAX	UNIT
t _W	Pulse duration, CLK high or low	6	7 11 11	7	ns
t _{su}	Setup time, data before CLK↑	5	5.5	5.5	ns
th	Hold time, data after CLK↑	2.5	2.5	2.5	ns

timing requirements over recommended operating free-air temperature range, V_{CC} = 3.3 V \pm 0.3 V (unless otherwise noted) (see Figure 1)

		$T_A = 2$	25°C	SN54L	/374A	SN74LV374A		LINUT
		MIN	MAX	MIN	MAX	MIN	MAX	UNIT
t _W	Pulse duration, CLK high or low	5		5.5	W.U	5.5		ns
t _{su}	Setup time, data before CLK↑	4.5		4.5	JIV	4.5		ns
th	Hold time, data after CLK↑	2		2	Ψ	2		ns

timing requirements over recommended operating free-air temperature range, V_{CC} = 5 V \pm 0.5 V (unless otherwise noted) (see Figure 1)

		T _A = 25°C		SN54L	V374A	SN74L\	/374A	LIAUT
		MIN	MAX	MIN	MAX	MIN	MAX	UNIT
t _W	Pulse duration, CLK high or low	5		5	5 10 11			ns
t _{su}	Setup time, data before CLK↑	3		3	TIL	3		ns
th	Hold time, data after CLK↑	2		2		2	·	ns

switching characteristics over recommended operating free-air temperature range, V_{CC} = 2.5 V \pm 0.2 V (unless otherwise noted) (see Figure 1)

DADAMETED	FROM	то	LOAD	T,	λ = 25°C	;	SN54L\	/374A	SN74L\	/374A	
PARAMETER	(INPUT)	(OUTPUT)	CAPACITANCE	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNIT
			C _L = 15 pF	60*	105*		50*		50		MHz
fmax			C _L = 50 pF	50	85		40	's	40		IVIHZ
t _{pd}	CLK	Q			9.7*	16.3*	1*	19*	1	19	
t _{en}	ŌĒ	Q	C _L = 15 pF		8.9*	15.9*	1* 4	19*	1	19	ns
^t dis	ŌĒ	Q			6.3*	12.6*	1*	15*	1	15	
t _{pd}	CLK	Q			11.8	19.3	27	23	1	23	
t _{en}	ŌĒ	Q	C. 50 pF		10.9	18.8	<i>&</i> 1	22	1	22	
^t dis	ŌĒ	Q	$C_L = 50 pF$		8.2	17.3	1	19	1	19	ns
^t sk(o)						2		·		2	

^{*} On products compliant to MIL-PRF-38535, this parameter is not production tested.



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switching characteristics over recommended operating free-air temperature range, V_{CC} = 3.3 V \pm 0.3 V (unless otherwise noted) (see Figure 1)

	FROM	то	LOAD	T,	4 = 25°C	;	SN54L	V374A	SN74L\	/374A	
PARAMETER	(INPUT)	(OUTPUT)	CAPACITANCE	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNIT
4			C _L = 15 pF	80*	150*		70*		70		MHz
fmax			C _L = 50 pF	55	110		50	7	50		IVITZ
^t pd	CLK	Q			6.8*	12.7*	1*	15*	1	15	
t _{en}	ŌE	Q	C _L = 15 pF		6.3*	11*	1*	13*	1	13	ns
^t dis	ŌĒ	Q			4.7*	10.5*	15	12.5*	1	12.5	
t _{pd}	CLK	Q			8.3	16.2	27	18.5	1	18.5	
t _{en}	ŌE	Q	C. 50 pF		7.7	14.5	Q 1	16.5	1	16.5	
^t dis	ŌE	Q	C _L = 50 pF		5.9	14	1	16	1	16	ns
^t sk(o)						1.5				1.5	

^{*} On products compliant to MIL-PRF-38535, this parameter is not production tested.

switching characteristics over recommended operating free-air temperature range, V_{CC} = 5 V \pm 0.5 V (unless otherwise noted) (see Figure 1)

	FROM	то	LOAD	T,	Δ = 25°C	;	SN54L\	/374A	SN74L\	/374A	
PARAMETER	(INPUT)	(OUTPUT)	CAPACITANCE	MIN	TYP	MAX	MIN	MAX	MIN	MAX	UNIT
4			C _L = 15 pF	130*	205*		110*		110		MHz
f _{max}			C _L = 50 pF	85	170		75	3	75		IVITZ
t _{pd}	CLK	Q			4.9*	8.1*	1*	9.5*	1	9.5	
t _{en}	ŌE	Q	C _L = 15 pF		4.6*	7.6*	1*	9*	1	9	ns
^t dis	ŌĒ	Q			3.4*	6.8*	15	8*	1	8	
^t pd	CLK	Q			5.9	10.1	27	11.5	1	11.5	
t _{en}	ŌĒ	Q	C: 50 pF		5.5	9.6	<i>&</i> 1	11	1	11	
^t dis	ŌE	Q	C _L = 50 pF		4	8.8	1	10	1	10	ns
^t sk(o)]			1				1	

^{*} On products compliant to MIL-PRF-38535, this parameter is not production tested.

noise characteristics, $V_{CC} = 3.3 \text{ V}$, $C_L = 50 \text{ pF}$, $T_A = 25^{\circ}\text{C}$ (see Note 6)

	DADAMETED			SN74LV374A		
	PARAMETER				UNIT	
V _{OL(P)}	Quiet output, maximum dynamic VOL		0.6	0.8	V	
V _{OL(V)}	Quiet output, minimum dynamic V _{OL}		-0.5	-0.8	V	
V _{OH(V)}	Quiet output, minimum dynamic VOH		2.9		V	
V _{IH(D)}	High-level dynamic input voltage	2.31			V	
V _{IL(D)}	Low-level dynamic input voltage			0.99	V	

NOTE 6: Characteristics are for surface-mount packages only.

operating characteristics, T_A = 25°C

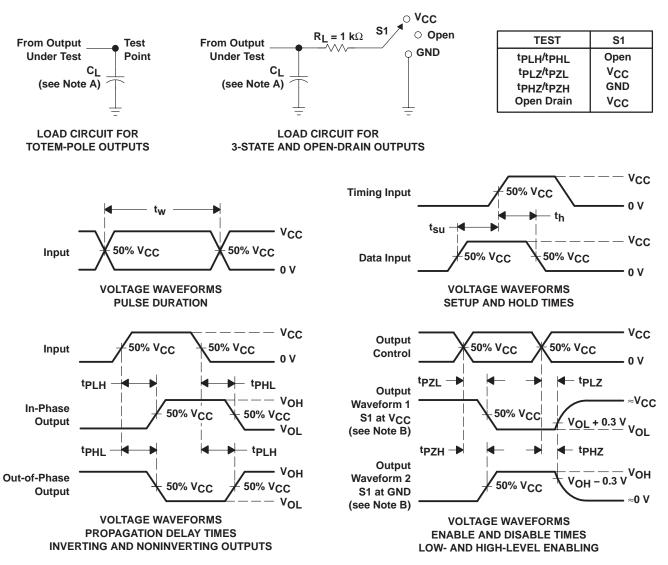
PARAMETER			TEST CONDITIONS		VCC	TYP	UNIT
<u> </u>	Power dissipation capacitance	Outputs enabled	$C_1 = 50 pF$	f = 10 MHz	3.3 V	21.1	~F
Cpd	Power dissipation capacitance	Outputs enabled	$C_L = 50 \text{ pF},$	1 = 10 IVIDZ	5 V	22.8	pF

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PARAMETER MEASUREMENT INFORMATION



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 1 MHz, $Z_Q = 50 \Omega$, $t_f \leq 3$ ns, $t_f \leq 3$ ns.
- D. The outputs are measured one at a time, with one input transition per measurement.
- E. tpLZ and tpHZ are the same as tdis.
- F. tpzi and tpzH are the same as ten.
- G. tpHL and tpLH are the same as tpd.
- H. All parameters and waveforms are not applicable to all devices.

Figure 1. Load Circuit and Voltage Waveforms









PACKAGING INFORMATION

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	e Eco Plan ⁽²⁾	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
SN74LV374ADBR	ACTIVE	SSOP	DB	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374ADBRE4	ACTIVE	SSOP	DB	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374ADGVR	ACTIVE	TVSOP	DGV	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374ADGVRE4	ACTIVE	TVSOP	DGV	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374ADW	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374ADWE4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374ADWR	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374ADWRE4	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374AGQNR	ACTIVE	VFBGA	GQN	20	1000	TBD	SNPB	Level-1-240C-UNLIM
SN74LV374ANSR	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374ANSRE4	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374APW	ACTIVE	TSSOP	PW	20	70	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374APWE4	ACTIVE	TSSOP	PW	20	70	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374APWR	ACTIVE	TSSOP	PW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374APWRE4	ACTIVE	TSSOP	PW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374APWT	ACTIVE	TSSOP	PW	20	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374APWTE4	ACTIVE	TSSOP	PW	20	250	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74LV374ARGYR	ACTIVE	QFN	RGY	20	1000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1YEAR
SN74LV374AZQNR	ACTIVE	VFBGA	ZQN	20	1000	Green (RoHS & no Sb/Br)	SNAGCU	Level-1-260C-UNLIM

 $^{^{(1)}}$ 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.

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.

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.

⁽²⁾ Eco Plan - The planned eco-friendly classification: Pb-Free (RoHS) or Green (RoHS & no Sb/Br) - please check http://www.ti.com/productcontent for the latest availability information and additional product content details.



PACKAGE OPTION ADDENDUM

4-Oct-2005

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)

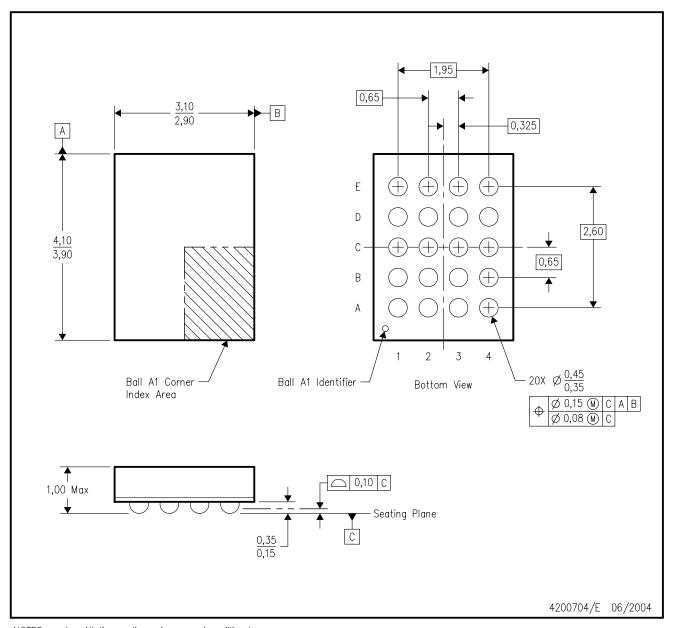
(3) MSL, Peak Temp. -- The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

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GQN (R-PBGA-N20)

PLASTIC BALL GRID ARRAY



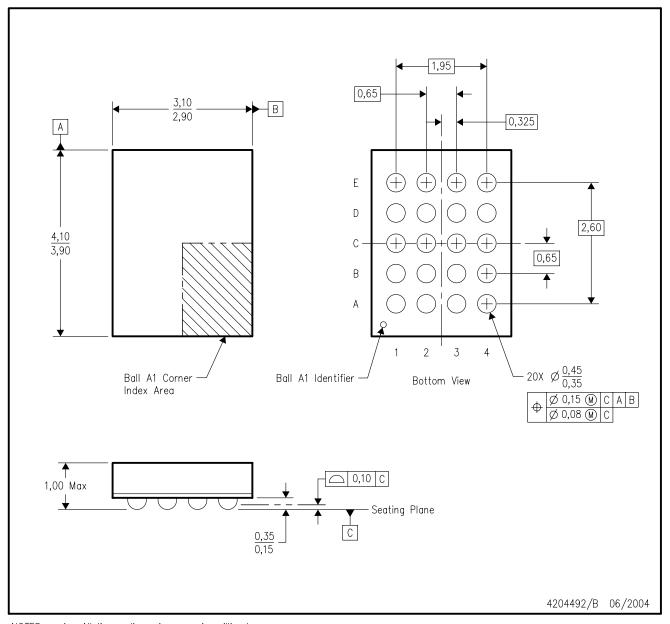
NOTES: A. All linear dimensions are in millimeters.

- B. This drawing is subject to change without notice.
- C. Falls within JEDEC MO-225 variation BC.
- D. This package is tin-lead (SnPb). Refer to the 20 ZQN package (drawing 4204492) for lead-free.



ZQN (R-PBGA-N20)

PLASTIC BALL GRID ARRAY



NOTES: A. All linear dimensions are in millimeters.

- B. This drawing is subject to change without notice.
- C. Falls within JEDEC MO-225 variation BC.
- D. This package is lead-free. Refer to the 20 GQN package (drawing 4200704) for tin-lead (SnPb).



DGV (R-PDSO-G**)

24 PINS SHOWN

PLASTIC SMALL-OUTLINE



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 per side.

D. Falls within JEDEC: 24/48 Pins – MO-153 14/16/20/56 Pins – MO-194



DW (R-PDSO-G20)

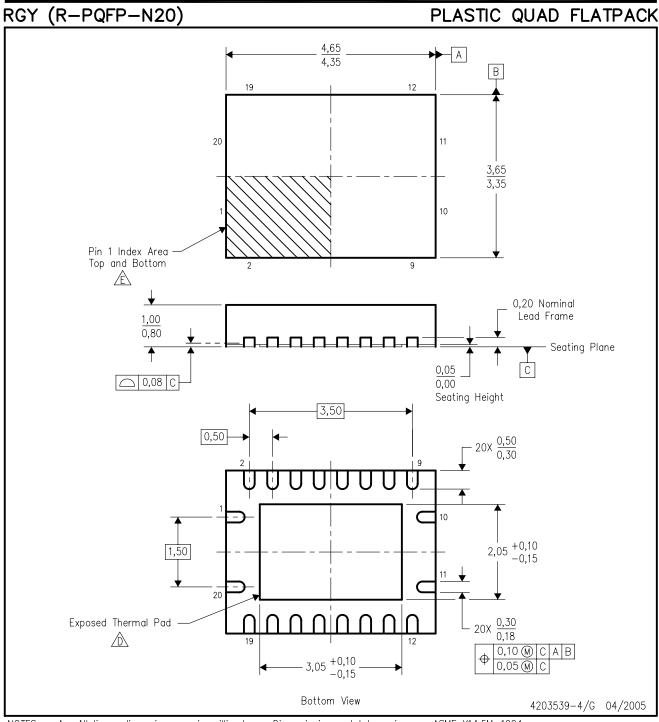
PLASTIC SMALL-OUTLINE PACKAGE



NOTES:

- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- C. Body dimensions do not include mold flash or protrusion not to exceed 0.006 (0,15).
- D. Falls within JEDEC MS-013 variation AC.





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.
- The package thermal pad must be soldered to the board for thermal and mechanical performance.
- 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.
- F. Package complies to JEDEC MO-241 variation BC.



MECHANICAL DATA

NS (R-PDSO-G**)

14-PINS SHOWN

PLASTIC SMALL-OUTLINE PACKAGE



NOTES:

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



DB (R-PDSO-G**)

PLASTIC SMALL-OUTLINE

28 PINS SHOWN



NOTES: A. All linear dimensions are in millimeters.

B. This drawing is subject to change without notice.

C. Body dimensions do not include mold flash or protrusion not to exceed 0,15.

D. Falls within JEDEC MO-150

PW (R-PDSO-G**)

14 PINS SHOWN

PLASTIC SMALL-OUTLINE PACKAGE



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-153

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