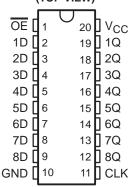
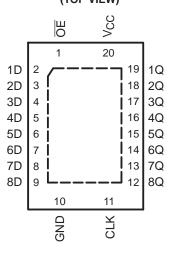
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- Typical V_{OLP} (Output Ground Bounce)
 1 V at V_{CC} = 5 V, T_A = 25°C
- High-Drive Outputs (-32-mA I_{OH}, 64-mA I_{OL})
- I_{off} Supports Partial-Power-Down Mode Operation
- Latch-Up Performance Exceeds 500 mA Per JEDEC Standard JESD 17
- ESD Protection Exceeds JESD 22
 - 2000-V Human-Body Model (A114-A)
 - 200-V Machine Model (A115-A)

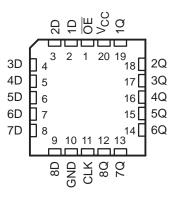
SN54ABT574...J OR W PACKAGE SN74ABT574A...DB, DW, N, NS, OR PW PACKAGE (TOP VIEW)



SN74ABT574A . . . RGY PACKAGE (TOP VIEW)



SN54ABT574 . . . FK PACKAGE (TOP VIEW)



description/ordering information

These 8-bit flip-flops 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.

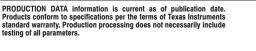
ORDERING INFORMATION

TA	PACKAGET		ORDERABLE PART NUMBER	TOP-SIDE MARKING
	PDIP – N	Tube	SN74ABT574AN	SN74ABT574AN
	QFN – RGY	Tape and reel	SN74ABT574ARGYR	AB574A
	0010 DW	Tube	SN74ABT574ADW	ADT574A
	SOIC – DW	Tape and reel	SN74ABT574ADWR	ABT574A
400C to 050C	SOP - NS	Tape and reel	SN74ABT574ANSR	ABT574A
-40°C to 85°C	SSOP – DB	Tape and reel	SN74ABT574ADBR	AB574A
	TOOOD DW	Tube	SN74ABT574APW	AD574A
	TSSOP – PW	Tape and reel	SN74ABT574APWR	AB574A
	VFBGA – GQN	Tono and and	SN74ABT574AGQNR	AD574A
	VFBGA – ZQN (Pb-free)	Tape and reel	SN74ABT574AZQNR	AB574A
	CDIP – J	Tube	SNJ54ABT574J	SNJ54ABT574J
-55°C to 125°C	CFP – W	Tube	SNJ54ABT574W	SNJ54ABT574W
	LCCC – FK	CC – FK Tube		SNJ54ABT574FK

[†] 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.



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description/ordering information (continued)

The eight flip-flops of the SN54ABT574 and SN74ABT574A are edge-triggered D-type flip-flops. 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.

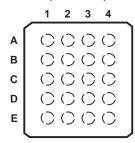
A buffered output-enable (\overline{OE}) input can be used to place the eight outputs in either a normal logic state (high or low logic levels) or the high-impedance state. In the high-impedance state, the outputs neither load nor drive the bus lines significantly. The high-impedance state and increased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

OE does not affect the internal operations of the flip-flops. 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, 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.

This device is fully specified for partial-power-down applications using Ioff. The Ioff circuitry disables the outputs, preventing damaging current backflow through the device when it is powered down.

SN74ABT574A...GQN OR ZQN PACKAGE (TOP VIEW)



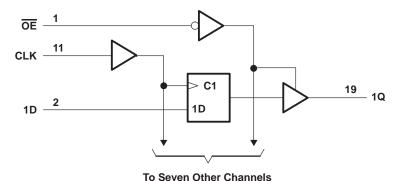
terminal assignments

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

FUNCTION TABLE (each flip-flop)

	INPUTS	OUTPUT	
OE	CLK	D	Q
L	1	Н	Н
L	\uparrow	L	L
L	H or L	Χ	Q ₀
Н	X	Χ	Z

logic diagram (positive logic)



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



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

Supply voltage range, V _{CC}	–0.5 V to 7 V
Input voltage range, V _I (see Note 1)	
Voltage range applied to any output in the high or power-off state, V _O	0.5 V to 5.5 V
Current into any output in the low state, IO: SN54ABT574	96 mA
SN74ABT574A	
Input clamp current, I _{IK} (V _I < 0)	–18 mA
Output clamp current, I _{OK} (V _O < 0)	–50 mA
Package thermal impedance, θ _{JA} (see Note 2): DB package	70°C/W
(see Note 2): DW package	58°C/W
(see Note 2): GQN/ZQN package	78°C/W
(see Note 2): N package	
(see Note 2): NS package	60°C/W
(see Note 2): PW package	83°C/W
(see Note 3): RGY package	37°C/W
Storage temperature range, T _{stg}	65°C to 150°C

[†] 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 clamp-current ratings are observed.

- 2. The package thermal impedance is calculated in accordance with JESD 51-7.
- 3. The package thermal impedance is calculated in accordance with JESD 51-5.

recommended operating conditions (see Note 4)

			SN54A	BT574	SN74AB	T574A	
			MIN	MAX	MIN	MAX	UNIT
Vcc	Supply voltage		4.5	5.5	4.5	5.5	V
VIH	IH High-level input voltage				2		V
V _{IL}	Low-level input voltage					0.8	V
٧ _I	Input voltage		0	VCC	0	VCC	V
ІОН	High-level output current			-24		-32	mA
loL	Low-level output current			48		64	mA
Δt/Δν	Input transition rise or fall rate	Outputs enabled		5		5	ns/V
TA	Operating free-air temperature	_	-55	125	-40	85	°C

NOTE 4: 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.



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

	TEST SOUDITIONS		Т	A = 25°C	;	SN54A	BT574	SN74AB	T574A		
PARAMETER		TEST CONDITIONS			TYP [†]	MAX	MIN	MAX	MIN	MAX	UNIT
VIK	$V_{CC} = 4.5 \text{ V}, \qquad I_{I} = -18 \text{ mA}$					-1.2		-1.2		-1.2	V
	$V_{CC} = 4.5 \text{ V},$	$I_{OH} = -3 \text{ mA}$		2.5			2.5		2.5		
Man.	V _{CC} = 5 V, I _{OH} = -3 mA			3			3		3		V
VOH	V 45V	$I_{OH} = -24 \text{ mA}$		2			2				V
	V _{CC} = 4.5 V	$I_{OH} = -32 \text{ mA}$		2*					2		
V	V 45V	$I_{OL} = 48 \text{ mA}$				0.55		0.55			V
VOL	V _{CC} = 4.5 V	$I_{OL} = 64 \text{ mA}$				0.55*				0.55	V
V_{hys}					100						mV
lį	$V_{CC} = 5.5 \text{ V},$	$V_{CC} = 5.5 \text{ V}, V_{I} = V_{CC} \text{ or GND}$				±1		±1		±1	μΑ
lozh	$V_{CC} = 5.5 V$,	$= 5.5 \text{ V}, \text{V}_{\text{O}} = 2.7 \text{ V}$				10‡		10‡		10‡	μΑ
lozL	$V_{CC} = 5.5 \text{ V},$	$V_0 = 0.5 V$				-10 [‡]		-10‡		-10 [‡]	μΑ
l _{off}	$V_{CC} = 0$,	V_I or $V_O \le 4.5 \ $	/			±100		±500		±100	μΑ
ICEX	$V_{CC} = 5.5 \text{ V},$	$V_0 = 5.5 \text{ V}$	Outputs high			50		50		50	μΑ
ΙΟ§	$V_{CC} = 5.5 \text{ V},$	$V_0 = 2.5 \text{ V}$		-50	-100	-180	-50	-180	-50	-180	mA
	.,	0	Outputs high		1	250		250		250	μΑ
ICC	$V_{CC} = 5.5 \text{ V}, \text{ I}_{C}$ $V_{I} = V_{CC} \text{ or G}$		Outputs low		24	30		30		30	mA
	1 1 100 01		Outputs disabled		0.5	250		250		250	μΑ
ΔICC¶	V_{CC} = 5.5 V, One input at 3.4 V, Other inputs at V_{CC} or GND				1.5		1.5		1.5	mA	
Ci	V _I = 2.5 V or 0.5 V		`		3.5						pF
Co	$V_0 = 2.5 \text{ V or } 0$).5 V			6.5						pF

^{*} On products compliant to MIL-PRF-38535, this parameter does not apply.

timing requirements over recommended ranges of supply voltage and operating free-air temperature (unless otherwise noted) (see Figure 1)

					SN54ABT574				
			V _{CC} =	= 5 V, 25°C	MIN	MAX	UNIT		
			MIN	MAX					
fclock	Clock frequency			150		150	MHz		
t _W	Pulse duration, CLK high or low		3.3		3.3		ns		
	Outron the ended to force OLVA	High			1.5				
t _{su}	Setup time, data before CLK↑	Low	2		2		ns		
t _h	Hold time, data after CLK↑	High or low	2		2		ns		



[†] All typical values are at $V_{CC} = 5 \text{ V}$.

[‡] This data-sheet limit may vary among suppliers.

[§] Not more than one output should be tested at a time, and the duration of the test should not exceed one second.

[¶] This is the increase in supply current for each input that is at the specified TTL voltage level, rather than V_{CC} or GND.

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timing requirements over recommended ranges of supply voltage and operating free-air temperature (unless otherwise noted) (see Figure 1)

				SN74AE	3T574A			
			V _{CC} =	= 5 V, 25°C	MIN	MAX	UNIT	
			MIN MAX					
fclock	Clock frequency			150		150	MHz	
t _W	Pulse duration, CLK high or low		3.3		3.3		ns	
	Catura time data hafara CLIVA	High	1		1			
t _{su}	Setup time, data before CLK↑	Low	1.5		1.5		ns	
th	Hold time, data after CLK↑	High or low	1.8†		1.8†		ns	

[†]This data-sheet limit may vary among suppliers.

switching characteristics over recommended ranges of supply voltage and operating free-air temperature, $C_L = 50$ pF (unless otherwise noted) (see Figure 1)

						74		
PARAMETER	FROM (INPUT)	TO (OUTPUT)	۷ ₀ ۲٫	CC = 5 V A = 25°C	/, ;	MIN	MAX	UNIT
			MIN	TYP	MAX			
f _{max}			150	200		150		MHz
t _{PLH}	OLIV	Q	2.2	3.9	6.2	2.2	7	
t _{PHL}	CLK		3	4.8	7	3	7.4	ns
^t PZH	ŌĒ	•	1	3.3	5	1	5.8	
t _{PZL}	OE	Q	2.5	4.7	5.9	2.5	7.2	ns
t _{PHZ}	ŌĒ	0	2.4	4.9	6.2	2.4	7.2	20
t _{PLZ}	OE .	Q	2	4	5.8	2	6.9	ns

switching characteristics over recommended ranges of supply voltage and operating free-air temperature, $C_L = 50$ pF (unless otherwise noted) (see Figure 1)

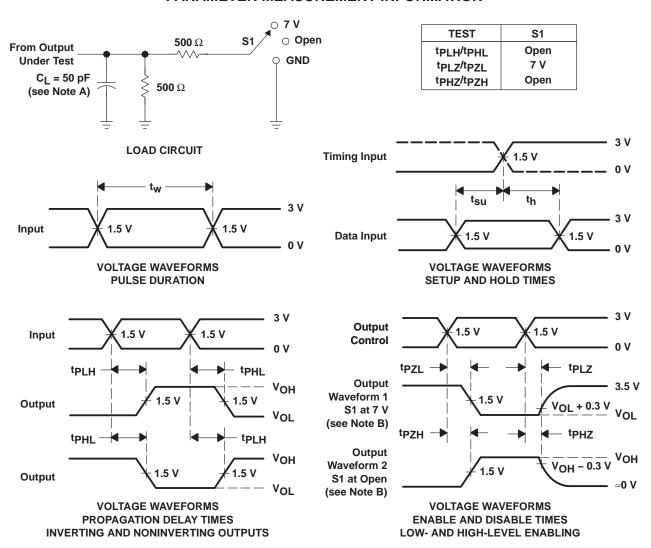
			SN74ABT574A				ŧА	
PARAMETER	FROM (INPUT)	TO (OUTPUT)	V _C	CC = 5 V 4 = 25°C	/, ;	MIN	MAX	UNIT
			MIN	TYP	MAX			
f _{max}			150	200		150		MHz
t _{PLH}	OL IX	CLK Q	2.2	3.9	6.2	2.2	6.8	
t _{PHL}	CLK		3	4.8	6.6	3	7.1	ns
^t PZH	ŌĒ	0	1	3.3	4.3	1	5.1	
t _{PZL}	OE	Q	2.1	4.7	5.9	2.1	6.7	ns
^t PHZ	ŌĒ	0	2.4	4.9	6.2	2.4	7	20
t _{PLZ}	OE .	Q	2	4	5.8	2	6.5	ns

[†] This data-sheet limit may vary among suppliers.



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PARAMETER MEASUREMENT INFORMATION



NOTES: A. C_I 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, $Z_Q = 50~\Omega$, $t_f \leq 2.5~\text{ns}$, $t_f \leq 2.5~\text{ns}$.
- D. The outputs are measured one at a time with one transition per measurement.
- E. 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	n MSL Peak Temp ⁽³⁾
5962-9322001Q2A	ACTIVE	LCCC	FK	20	1	TBD	POST-PLATE	N / A for Pkg Type
5962-9322001QRA	ACTIVE	CDIP	J	20	1	TBD	A42 SNPB	N / A for Pkg Type
5962-9322001QSA	ACTIVE	CFP	W	20	1	TBD	A42	N / A for Pkg Type
SN74ABT574ADBLE	OBSOLETE	SSOP	DB	20		TBD	Call TI	Call TI
SN74ABT574ADBR	ACTIVE	SSOP	DB	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574ADBRE4	ACTIVE	SSOP	DB	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574ADW	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574ADWE4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574ADWR	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574ADWRE4	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574AGQNR	ACTIVE	BGA MI CROSTA R JUNI OR	GQN	20	1000	TBD	SNPB	Level-1-240C-UNLIM
SN74ABT574AN	ACTIVE	PDIP	N	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ABT574ANE4	ACTIVE	PDIP	N	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ABT574ANSR	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574ANSRE4	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574APW	ACTIVE	TSSOP	PW	20	70	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574APWE4	ACTIVE	TSSOP	PW	20	70	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574APWLE	OBSOLETE	TSSOP	PW	20		TBD	Call TI	Call TI
SN74ABT574APWR	ACTIVE	TSSOP	PW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574APWRE4	ACTIVE	TSSOP	PW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ABT574ARGYR	ACTIVE	QFN	RGY	20	1000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1YEAR
SN74ABT574ARGYRG4	ACTIVE	QFN	RGY	20	1000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1YEAR
SN74ABT574AZQNR	ACTIVE	BGA MI CROSTA R JUNI OR	ZQN	20	1000	Green (RoHS & no Sb/Br)	SNAGCU	Level-1-260C-UNLIM
SNJ54ABT574FK	ACTIVE	LCCC	FK	20	1	TBD	POST-PLATE	N / A for Pkg Type
SNJ54ABT574J	ACTIVE	CDIP	J	20	1	TBD	A42 SNPB	N / A for Pkg Type
SNJ54ABT574W	ACTIVE	CFP	W	20	1	TBD	A42	N / A for Pkg Type



PACKAGE OPTION ADDENDUM

6-Dec-2006

⁽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.

(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.

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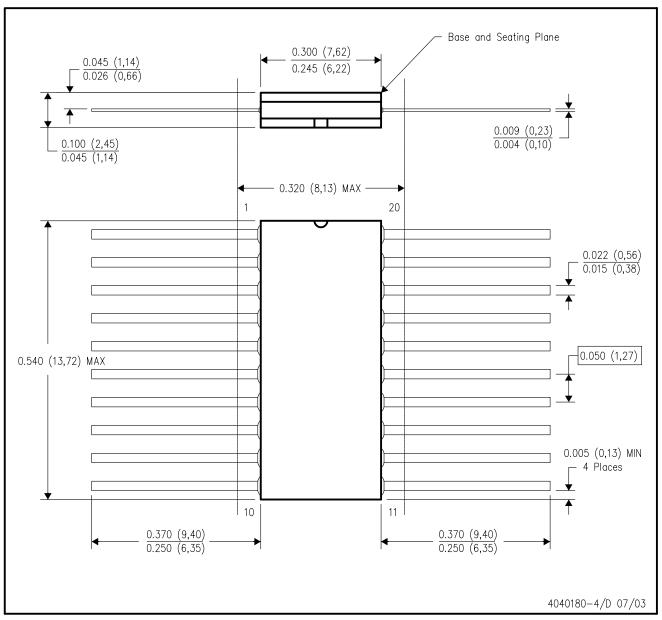
14 LEADS SHOWN



- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- C. This package is hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only on press ceramic glass frit seal only.
- E. Falls within MIL STD 1835 GDIP1-T14, GDIP1-T16, GDIP1-T18 and GDIP1-T20.

W (R-GDFP-F20)

CERAMIC DUAL FLATPACK



- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a ceramic lid using glass frit.
- D. Index point is provided on cap for terminal identification only.
- E. Falls within Mil-Std 1835 GDFP2-F20



FK (S-CQCC-N**)

28 TERMINAL SHOWN

LEADLESS CERAMIC CHIP CARRIER



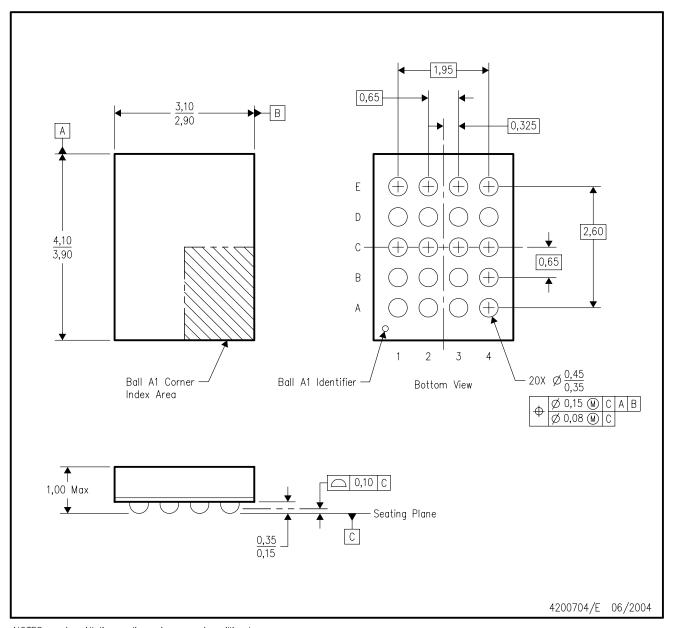
NOTES: A. All linear dimensions are in inches (millimeters).

- B. This drawing is subject to change without notice.
- C. This package can be hermetically sealed with a metal lid.
- D. The terminals are gold plated.
- E. Falls within JEDEC MS-004



GQN (R-PBGA-N20)

PLASTIC BALL GRID ARRAY



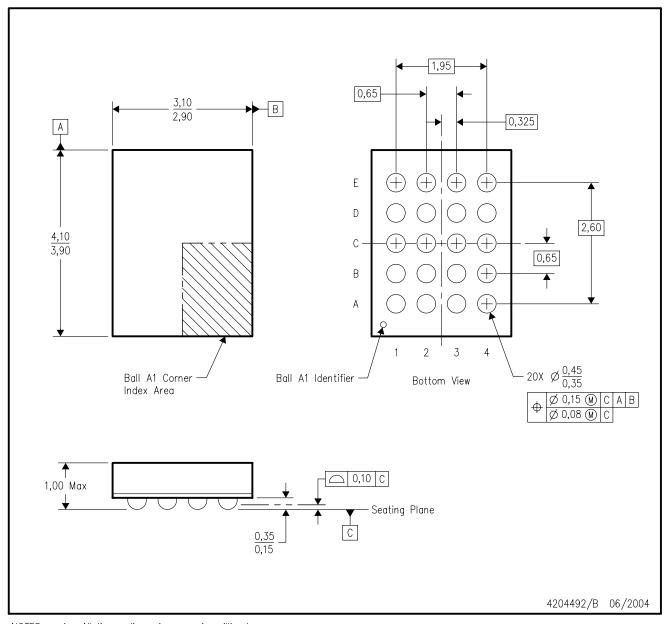
NOTES: A. All linear dimensions are in millimeters.

- 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).



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
- The 20 pin end lead shoulder width is a vendor option, either half or full width.



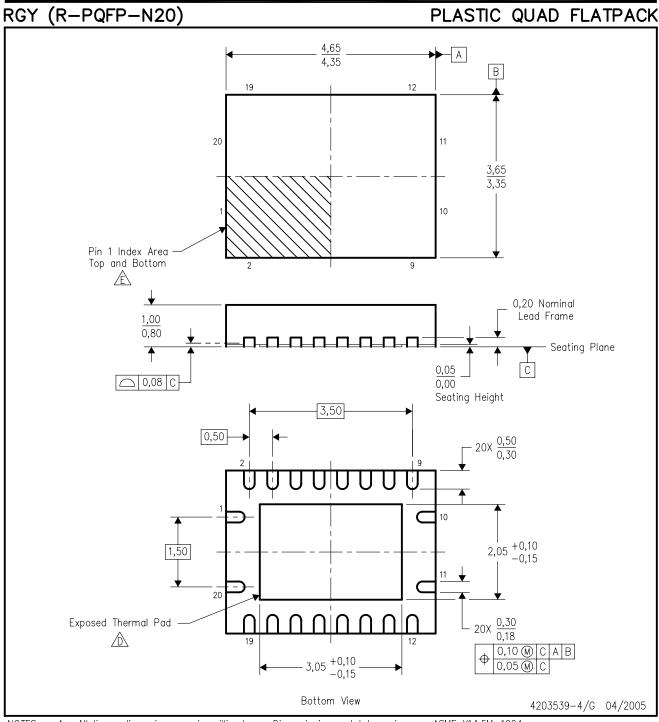
DW (R-PDSO-G20)

PLASTIC SMALL-OUTLINE PACKAGE



- 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.



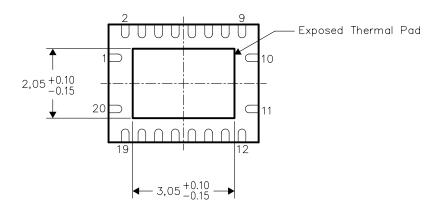


THERMAL INFORMATION

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), the PCB can be used as a heatsink. In addition, through the use of thermal vias, the thermal pad can be attached directly to a ground plane or 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, Quad Flatpack No—Lead Logic Packages, Texas Instruments Literature No. SCBA017. This document is available at www.ti.com.

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

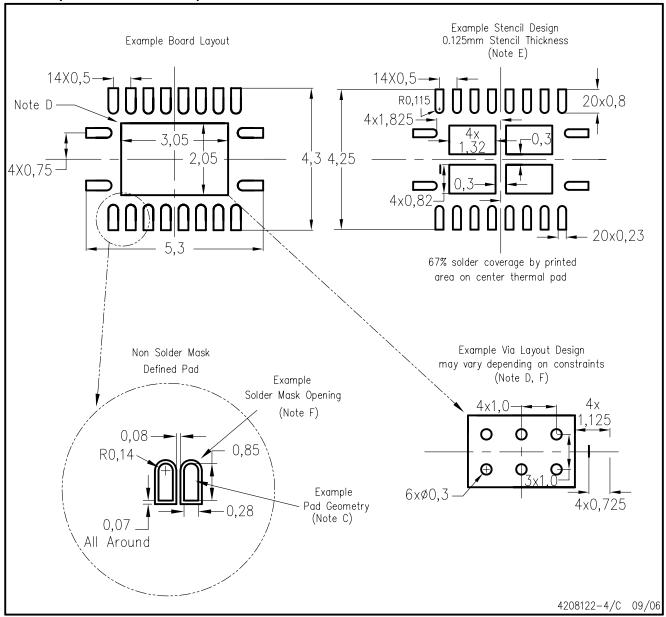


Bottom View

NOTE: All linear dimensions are in millimeters

Exposed Thermal Pad Dimensions

RGY (R-PQFP-N20)



- 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 Packages, Texas Instruments Literature No. SCBA017, 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 https://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

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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Mailing Address: Texas Instruments

Post Office Box 655303 Dallas, Texas 75265

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