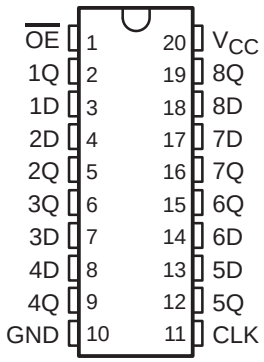
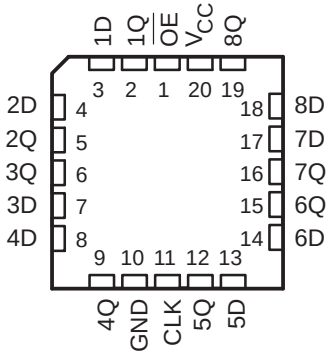
- **State-of-the-Art *EPIC*-II*B*™ BiCMOS Design Significantly Reduces Power Dissipation**
- **Latch-Up Performance Exceeds 500 mA Per JEDEC Standard JESD-17**
- **Typical V_{OLP} (Output Ground Bounce) < 1 V at V_{CC} = 5 V, T_A = 25°C**
- **High-Drive Outputs (–32-mA I_{OH}, 64-mA I_{OL})**
- **ESD Protection Exceeds 2000 V Per MIL-STD-883, Method 3015; Exceeds 200 V Using Machine Model (C = 200 pF, R = 0)**
- **Package Options Include Plastic Small-Outline (DW), Shrink Small-Outline (DB), and Thin Shrink Small-Outline (PW) Packages, Ceramic Chip Carriers (FK), Plastic (N) and Ceramic (J) DIPs, and Ceramic Flat (W) Package**

SN54ABT374 . . . J OR W PACKAGE
SN74ABT374A . . . DB, DW, N, OR PW PACKAGE
(TOP VIEW)



SN54ABT374 . . . FK PACKAGE
(TOP VIEW)



description

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.

The eight flip-flops of the SN54ABT374 and SN74ABT374A 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 a 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. $\overline{OE}$ does not affect internal operations of the flip-flop. Old data can be retained or new data can be entered while the outputs are in the high-impedance state.

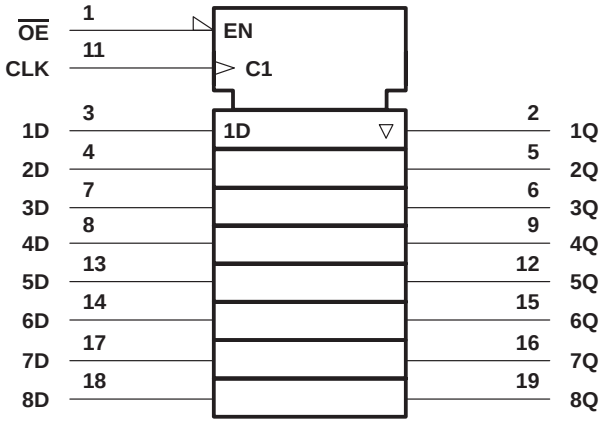
To ensure the high-impedance state during power up or power down, $\overline{OE}$ should be tied to V_{CC} through a pullup resistor; the minimum value of the resistor is determined by the current-sinking capability of the driver.

The SN54ABT374 is characterized for operation over the full military temperature range of –55°C to 125°C. The SN74ABT374A is characterized for operation from –40°C to 85°C.

FUNCTION TABLE
(each flip-flop)

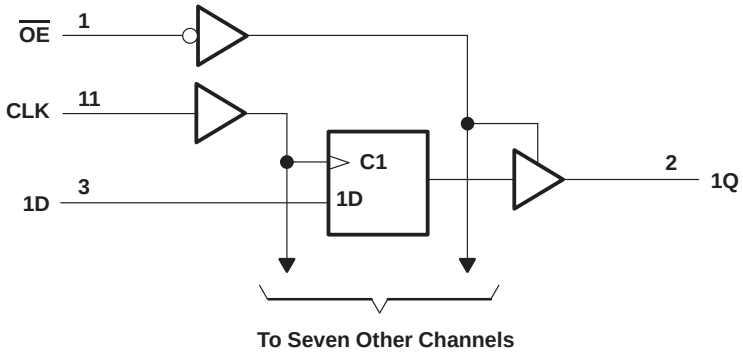
INPUTS			OUTPUT
$\overline{OE}$	CLK	D	Q
L	↑	H	H
L	↑	L	L
L	H or L	X	Q_0
H	X	X	Z

logic symbol†



† This symbol is in accordance with ANSI/IEEE Std 91-1984 and IEC Publication 617-12.

logic diagram (positive logic)



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) . . . . . –0.5 V to 7 V
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, I_O: SN54ABT374 . . . . . 96 mA
SN74ABT374A . . . . . 128 mA
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 . . . . . 115°C/W
DW package . . . . . 97°C/W
N package . . . . . 67°C/W
PW package . . . . . 128°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 EIA/JEDEC Std JESD51, except for through-hole packages, which use a trace length of zero.

recommended operating conditions (see Note 3)

			SN54ABT374		SN74ABT374A		UNIT
			MIN	MAX	MIN	MAX	
V_{CC}	Supply voltage		4.5	5.5	4.5	5.5	V
V_{IH}	High-level input voltage		2		2		V
V_{IL}	Low-level input voltage			0.8		0.8	V
V_I	Input voltage		0	V_{CC}	0	V_{CC}	V
I_{OH}	High-level output current			–24		–32	mA
I_{OL}	Low-level output current			48		64	mA
$\Delta t/\Delta v$	Input transition rise or fall rate	Outputs enabled		5		5	ns/V
T_A	Operating free-air temperature		–55	125	–40	85	°C

NOTE 3: Unused inputs must be held high or low to prevent them from floating.

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

PARAMETER	TEST CONDITIONS			T_A = 25°C			SN54ABT374		SN74ABT374A		UNIT
				MIN	TYP†	MAX	MIN	MAX	MIN	MAX	
V_{IK}	V_{CC} = 4.5 V,	I_I = –18 mA				–1.2		–1.2		–1.2	V
V_{OH}	V_{CC} = 4.5 V,	I_{OH} = –3 mA		2.5			2.5		2.5		V
	V_{CC} = 5 V,	I_{OH} = –3 mA		3			3		3		
	V_{CC} = 4.5 V	I_{OH} = –24 mA		2			2				
		I_{OH} = –32 mA		2*					2		
V_{OL}	V_{CC} = 4.5 V	I_{OL} = 48 mA				0.55		0.55			V
		I_{OL} = 64 mA				0.55*				0.55	
V_{hys}					100						mV
I_I	V_{CC} = 5.5 V,	V_I = V_{CC} or GND				±1		±1		±1	µA
I_{OZH}	V_{CC} = 5.5 V,	V_O = 2.7 V				10‡		10‡		10‡	µA
I_{OZL}	V_{CC} = 5.5 V,	V_O = 0.5 V				–10‡		–10‡		–10‡	µA
I_{off}	V_{CC} = 0,	V_I or V_O ≤ 4.5 V				±100				±100	µA
I_{CEX}	V_{CC} = 5.5 V,	V_O = 5.5 V	Outputs high			50		50		50	µA
I_O§	V_{CC} = 5.5 V,	V_O = 2.5 V		–50	–100	–180	–50	–180	–50	–180	mA
I_{CC}	V_{CC} = 5.5 V, I_O = 0, V_I = V_{CC} or GND		Outputs high			250		250		250	µA
			Outputs low			30		30		30	mA
			Outputs disabled			250		250		250	µA
ΔI_{CC}¶	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
C_i	V_I = 2.5 V or 0.5 V				3.5						pF
C_o	V_O = 2.5 V or 0.5 V				6.5						pF

* On products compliant to MIL-PRF-38535, this parameter does not apply.
† All typical values are at V_{CC} = 5 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.

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

			SN54ABT374				UNIT
			V_{CC} = 5 V, T_A = 25°C		MIN	MAX	
			MIN	MAX			
f_{clock}	Clock frequency		0	150	0	150	MHz
t_w	Pulse duration	CLK high or low	3.3		3.3		ns
t_{su}	Setup time before CLK↑	Data high	2		2.5		ns
		Data low	2		2.5		
t_h	Hold time after CLK↑	Data high or low	2		2.5		ns

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

			SN74ABT374A				UNIT
			V_{CC} = 5 V, T_A = 25°C		MIN	MAX	
			MIN	MAX			
f_{clock}	Clock frequency		0	150	0	150	MHz
t_w	Pulse duration	CLK high or low	3.3		3.3		ns
t_{su}	Setup time before CLK↑	Data high	1		1		ns
		Data low	1.9		1.9		
t_h	Hold time after CLK↑	Data high or low	2.1†		2.1†		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)

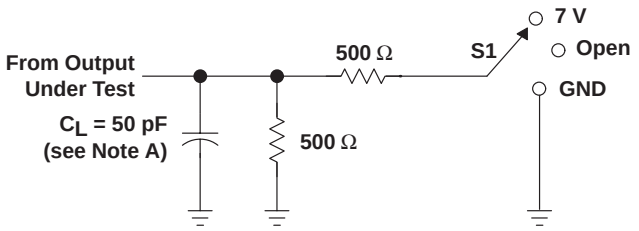
PARAMETER	FROM (INPUT)	TO (OUTPUT)	SN54ABT374					UNIT
			V_{CC} = 5 V, T_A = 25°C			MIN	MAX	
			MIN	TYP	MAX			
f_{max}			150	200		150		MHz
t_{PLH}	CLK	Q	2.2	4.2	5.7	1.8	6.6	ns
t_{PHL}			3.1	5.1	6.6	2.6	7.6	
t_{PZH}	$\overline{OE}$	Q	1.2	3.2	4.7	0.8	5.7	ns
t_{PZL}			2.3	4.7	6.2	1.5	7.2	
t_{PHZ}	$\overline{OE}$	Q	2.3	4.5	6.1	1.3	7.2	ns
t_{PLZ}			1.9	4.5	6	1	7	

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

PARAMETER	FROM (INPUT)	TO (OUTPUT)	SN74ABT374A					UNIT
			V_{CC} = 5 V, T_A = 25°C			MIN	MAX	
			MIN	TYP	MAX			
f_{max}			150	200		150		MHz
t_{PLH}	CLK	Q	2.2	4.2	5.7	2.2	6.2	ns
t_{PHL}			3.1	5.1	6.6	3.1	7.1	
t_{PZH}	$\overline{OE}$	Q	1.2	3.2	4.7	1.2	5.2	ns
t_{PZL}			2.7	4.7	6.2	2.7	6.7	
t_{PHZ}	OE	Q	2.5	4.5	6	2.5	6.7†	ns
t_{PLZ}			2	4.5	6	2	6.5	

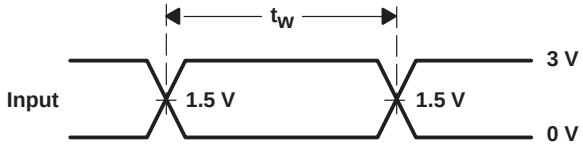
† This data sheet limit may vary among suppliers.

PARAMETER MEASUREMENT INFORMATION

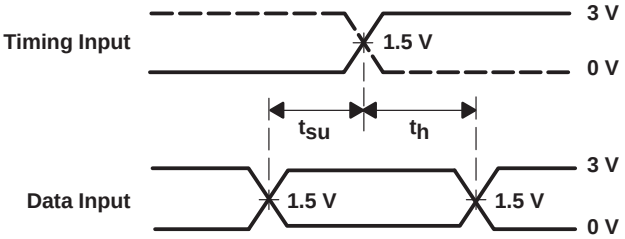


TEST	S1
t_{PLH}/t_{PHL}	Open
t_{PLZ}/t_{PZL}	7 V
t_{PHZ}/t_{PZH}	Open

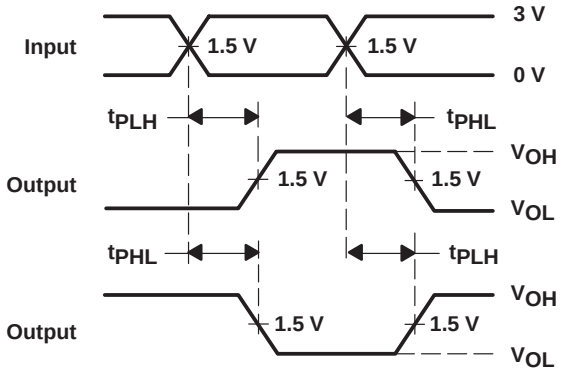
LOAD CIRCUIT



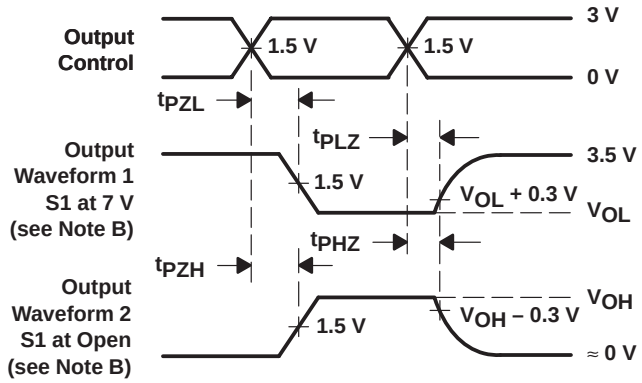
VOLTAGE WAVEFORMS
PULSE DURATION



VOLTAGE WAVEFORMS
SETUP AND HOLD TIMES



VOLTAGE WAVEFORMS
PROPAGATION DELAY TIMES
INVERTING AND NONINVERTING OUTPUTS



VOLTAGE WAVEFORMS
ENABLE AND DISABLE TIMES
LOW- AND HIGH-LEVEL ENABLING

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 ≤ 10 MHz, Z_O = 50 Ω, t_r ≤ 2.5 ns, t_f ≤ 2.5 ns.
D. The outputs are measured one at a time with one transition per measurement.

Figure 1. Load Circuit and Voltage Waveforms

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SN54ABT374, Octal Edge-Triggered D-Type Flip-Flops with 3-State Outputs

DEVICE STATUS: **ACTIVE**

PARAMETER NAME	SN54ABT374
Voltage Nodes (V)	5

FEATURES

Back to Top

- State-of-the-Art EPIC-IIB™ BiCMOS Design Significantly Reduces Power Dissipation
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- ESD Protection Exceeds 2000 V Per MIL-STD-883, Method 3015; Exceeds 200 V Using Machine Model (C = 200 pF, R = 0)
- Package Options Include Plastic Small-Outline (DW), Shrink Small-Outline (DB), and Thin Shrink Small-Outline (PW) Packages, Ceramic Chip Carriers (FK), Plastic (N) and Ceramic (J) DIPs, and Ceramic Flat (W) Package

EPIC-IIB is a trademark of Texas Instruments Incorporated.

DESCRIPTION

Back to Top

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TECHNICAL DOCUMENTS

Back to Top

To view the following documents, Acrobat Reader 4.0 is required.
To download a document to your hard drive, right-click on the link and choose 'Save'.

Product Folder: SN54ABT374, Octal Edge-Triggered D-Type Flip-Flops with 3-State Outputs

DATASHEET

Back to Top

Full datasheet in Acrobat PDF: sn54abt374.pdf (108 KB,Rev.G) (Updated: 01/01/1997)

APPLICATION NOTES

Back to Top

View Application Notes for Digital Logic

- Advanced BiCMOS Technology (ABT) Logic Characterization Information (Rev. B) (SCBA008B - Updated: 06/01/1997)
- Advanced BiCMOS Technology (ABT) Logic Enables Optimal System Design (Rev. A) (SCBA001A - Updated: 03/01/1997)
- Bus-Interface Devices With Output-Damping Resistors Or Reduced-Drive Outputs (Rev. A) (SCBA012A - Updated: 08/01/1997)
- Designing With Logic (Rev. C) (SDYA009C - Updated: 06/01/1997)
- Evaluation of Nickel/Palladium/Gold-Finished Surface-Mount Integrated Circuits (SZZA026 - Updated: 06/20/2001)
- Family of Curves Demonstrating Output Skews for Advanced BiCMOS Devices (Rev. A) (SCBA006A - Updated: 12/01/1996)
- Implications of Slow or Floating CMOS Inputs (Rev. C) (SCBA004C - Updated: 02/01/1998)
- Input and Output Characteristics of Digital Integrated Circuits (SDYA010 - Updated: 10/01/1996)
- Live Insertion (SDYA012 - Updated: 10/01/1996)
- Power-Up 3-State (PU3S) Circuits in TI Standard Logic Devices (SZZA033 - Updated: 05/10/2002)
- Quad Flatpack No-Lead Logic Packages (Rev. C) (SCBA017C - Updated: 11/22/2002)
- TI IBIS File Creation, Validation, and Distribution Processes (SZZA034 - Updated: 08/29/2002)
- Understanding Advanced Bus-Interface Products Design Guide (SCAA029, 253 KB - Updated: 05/01/1996)
- Understanding and Interpreting Texas Instruments Standard-Logic Products Data Sh (Rev. A) (SZZA036A - Updated: 02/27/2003)

MORE LITERATURE

Back to Top

- Enhanced Plastic Portfolio Brochure (SGZB004, 387 KB - Updated: 08/19/2002)
- Logic Reference Guide (SCYB004, 1032 KB - Updated: 10/23/2001)
- MicroStar Junior BGA Design Summary (SCET004, 167 KB - Updated: 07/28/2000)
- Military Brief (SGYN138, 803 KB - Updated: 10/10/2000)
- Overview of IEEE Std 91-1984, Explanation of Logic Symbols Training Booklet (Rev. A) (SDYZ001A, 138 KB - Updated: 07/01/1996)
- Palladium Lead Finish User's Manual (SDYV001, 2041 KB - Updated: 11/01/1996)
- QML Class V Space Products Military Brief (Rev. A) (SGZN001A, 257 KB - Updated: 10/07/2002)

USER GUIDES

Back to Top

- LOGIC Pocket Data Book (SCYD013, 4837 KB - Updated: 12/05/2002)

PRICING/AVAILABILITY/PKG

Back to Top

DEVICE INFORMATION
Updated Daily

ORDERABLE DEVICE	STATUS	PACKAGE TYPE | PINS	TEMP (°C)	DSCC NUMBER	PRODUCT CONTENT	BUDGETARY PRICING QTY | $US	STD PACK QTY
5962-9314901Q2A	ACTIVE	LCCC (FK) | 20	-55 TO 125		View Contents	1KU | 8.08	1
SNJ54ABT374FK	ACTIVE	LCCC (FK) | 20	-55 TO 125	5962-9314901Q2A	View Contents	1KU | 8.08	1
5962-9314901QRA	ACTIVE	CDIP (J) | 20	-55 TO 125		View Contents	1KU | 5.15	1
5962-9314901QSA	ACTIVE	CFP (W) | 20	-55 TO 125		View Contents	1KU | 8.58	1

TI INVENTORY STATUS
As Of 09:00 AM GMT, 17 Apr 2003

IN STOCK	IN PROGRESS QTY | DATE	LEAD TIME
1*	3942 | 20 May	8 WKS
	>10k | 27 May	
99*	>10k | 20 May	8 WKS
9*	>10k | 20 May	8 WKS
0*	3889 | 20 May	8 WKS
	>10k | 27 May	

REPORTED DISTRIBUTOR INVENTORY
As Of 09:00 AM GMT, 17 Apr 2003

DISTRIBUTOR COMPANY | REGION	IN STOCK	PURCHASE
None Reported View Distributors		
None Reported View Distributors		
None Reported View Distributors		
None Reported View Distributors		

Product Folder: SN54ABT374, Octal Edge-Triggered D-Type Flip-Flops with 3-State Outputs

SNJ54ABT374J	ACTIVE	CDIP (J)	20	-55 TO 125	5962-9314901QRA	View Contents	1KU | 5.15	1	250*	>10k | 20 May	8 WKS	Avnet | Americas	1	BUY NOW
SNJ54ABT374W	ACTIVE	CFP (W)	20	-55 TO 125	5962-9314901QSA	View Contents	1KU | 8.58	1	583*	>10k | 20 May	8 WKS	None Reported View Distributors		

Table Data Updated on: 4/17/2003

PRODUCT FOLDER | PRODUCT INFO: FEATURES | DESCRIPTION | DATASHEETS | PRICING/AVAILABILITY/PKG | SAMPLES | APPLICATION NOTES | USER GUIDES | MORE LITERATURE

PRODUCT SUPPORT: TRAINING

SN74ABT374A, Octal Edge-Triggered D-Type Flip-Flops with 3-State Outputs
DEVICE STATUS: **ACTIVE**

PARAMETER NAME	SN74ABT374A
Voltage Nodes (V)	5
Vcc range (V)	4.5 to 5.5
Input Level	TTL
Output Level	TTL
Output Drive (mA)	-32/64
No. of Outputs	8
Static Current	15.12
th (ns)	2.1
tpd max (ns)	7.1
tsu (ns)	1.9
Logic	True

FEATURES

Back to Top

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DESCRIPTION

Back to Top

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The eight flip-flops of the SN54ABT374 and SN74ABT374A 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 a 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. $\overline{OE}$ does not affect internal operations of the flip-flop. 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.

The SN54ABT374 is characterized for operation over the full military temperature range of -55°C to 125°C. The SN74ABT374A is characterized for operation from -40°C to 85°C.

TECHNICAL DOCUMENTS

Back to Top

To view the following documents, Acrobat Reader 4.0 is required.
To download a document to your hard drive, right-click on the link and choose 'Save'.

DATASHEET

Back to Top

Full datasheet in Acrobat PDF: sn74abt374a.pdf (108 KB,Rev.G) (Updated: 01/01/1997)

APPLICATION NOTES

Back to Top

View Application Notes for Digital Logic

- Advanced BiCMOS Technology (ABT) Logic Characterization Information (Rev. B) (SCBA008B - Updated: 06/01/1997)
- Advanced BiCMOS Technology (ABT) Logic Enables Optimal System Design (Rev. A) (SCBA001A - Updated: 03/01/1997)
- Bus-Interface Devices With Output-Damping Resistors Or Reduced-Drive Outputs (Rev. A) (SCBA012A - Updated: 08/01/1997)
- Designing With Logic (Rev. C) (SDYA009C - Updated: 06/01/1997)
- Evaluation of Nickel/Palladium/Gold-Finished Surface-Mount Integrated Circuits (SZZA026 - Updated: 06/20/2001)
- Family of Curves Demonstrating Output Skews for Advanced BiCMOS Devices (Rev. A) (SCBA006A - Updated: 12/01/1996)
- Implications of Slow or Floating CMOS Inputs (Rev. C) (SCBA004C - Updated: 02/01/1998)
- Input and Output Characteristics of Digital Integrated Circuits (SDYA010 - Updated: 10/01/1996)
- Live Insertion (SDYA012 - Updated: 10/01/1996)
- Power-Up 3-State (PU3S) Circuits in TI Standard Logic Devices (SZZA033 - Updated: 05/10/2002)
- Quad Flatpack No-Lead Logic Packages (Rev. C) (SCBA017C - Updated: 11/22/2002)
- TI IBIS File Creation, Validation, and Distribution Processes (SZZA034 - Updated: 08/29/2002)
- Understanding Advanced Bus-Interface Products Design Guide (SCAA029, 253 KB - Updated: 05/01/1996)
- Understanding and Interpreting Texas Instruments Standard-Logic Products Data Sh (Rev. A) (SZZA036A - Updated: 02/27/2003)

MORE LITERATURE

Back to Top

- Enhanced Plastic Portfolio Brochure (SGZB004, 387 KB - Updated: 08/19/2002)
- Logic Reference Guide (SCYB004, 1032 KB - Updated: 10/23/2001)
- MicroStar Junior BGA Design Summary (SCET004, 167 KB - Updated: 07/28/2000)
- Military Brief (SGYN138, 803 KB - Updated: 10/10/2000)
- Overview of IEEE Std 91-1984, Explanation of Logic Symbols Training Booklet (Rev. A) (SDYZ001A, 138 KB - Updated: 07/01/1996)
- Palladium Lead Finish User's Manual (SDYV001, 2041 KB - Updated: 11/01/1996)
- QML Class V Space Products Military Brief (Rev. A) (SGZN001A, 257 KB - Updated: 10/07/2002)

USER GUIDES

Back to Top

- LOGIC Pocket Data Book (SCYD013, 4837 KB - Updated: 12/05/2002)

SAMPLES

Back to Top

ORDERABLE DEVICE	PACKAGE INDUSTRY (TI)	PINS	TEMP (°C)	STATUS	PRODUCT CONTENT	SAMPLES
SN74ABT374ADBR	SSOP (DB)	20	-40 TO 85	ACTIVE	View Product Content	Request Samples
SN74ABT374ADW	SOIC (DW)	20	-40 TO 85	ACTIVE	View Product Content	Request Samples

SN74ABT374ADWR	SOIC (DW)	20	-40 TO 85	ACTIVE	View Product Content	Request Samples
SN74ABT374AN	PDIP (N)	20	-40 TO 85	ACTIVE	View Product Content	Request Samples
SN74ABT374APWR	TSSOP (PW)	20	-40 TO 85	ACTIVE	View Product Content	Request Samples

PRICING / AVAILABILITY / PKG

Back to Top

DEVICE INFORMATION
Updated Daily

ORDERABLE DEVICE	STATUS	PACKAGE TYPE | PINS	TEMP (°C)	PRODUCT CONTENT	BUDGETARY PRICING QTY | $US	STD PACK QTY
SN74ABT374ADBLE	OBSOLETE	SSOP (DB) | 20	-40 TO 85	View Contents	1KU |	
SN74ABT374ADBR	ACTIVE	SSOP (DB) | 20	-40 TO 85	View Contents	1KU | 0.26	2000
SN74ABT374ADW	ACTIVE	SOIC (DW) | 20	-40 TO 85	View Contents	1KU | 0.26	25
SN74ABT374ADWR	ACTIVE	SOIC (DW) | 20	-40 TO 85	View Contents	1KU | 0.26	2000
SN74ABT374AN	ACTIVE	PDIP (N) | 20	-40 TO 85	View Contents	1KU | 0.26	20
SN74ABT374ANSR	ACTIVE	SOP (NS) | 20		View Contents	1KU | 0.75	2000
SN74ABT374APW	ACTIVE	TSSOP (PW) | 20	-40 TO 85	View Contents	1KU | 0.48	70
SN74ABT374APWLE	OBSOLETE	TSSOP (PW) | 20	-40 TO 85	View Contents	1KU |	

TI INVENTORY STATUS
As Of 09:00 AM GMT, 17 Apr 2003

IN STOCK	IN PROGRESS QTY | DATE	LEAD TIME
0*		Call**
0*	2218 | 21 Apr	4 WKS
	>10k | 08 May	
5675*	>10k | 12 May	4 WKS
>10k*	>10k | 30 Apr	4 WKS
0*	13 | 23 Apr	4 WKS
	1021 | 30 Apr	
0*	3667 | 21 Apr	4 WKS
	>10k | 08 May	
0*	1050 | 16 Apr	4 WKS
	>10k | 08 May	
0*		Call**

REPORTED DISTRIBUTOR INVENTORY
As Of 09:00 AM GMT, 17 Apr 2003

DISTRIBUTOR COMPANY | REGION	IN STOCK	PURCHASE
None Reported View Distributors		
DigiKey | Americas	>1k	BUY NOW
Arrow | Americas	>1k	BUY NOW
EBV Electronik | Europe	>1k	BUY NOW
Avnet | Americas	>1k	BUY NOW
Avnet-SILICA | Europe	>1k	BUY NOW
DigiKey | Americas	108	BUY NOW
DigiKey | Americas	>1k	BUY NOW
Avnet-SILICA | Europe	>1k	BUY NOW
DigiKey | Americas	>1k	BUY NOW
Avnet | Americas	>1k	BUY NOW
EBV Electronik | Europe	120	BUY NOW
None Reported View Distributors		
Arrow | Americas	280	BUY NOW
None Reported View Distributors		

Product Folder: SN74ABT374A, Octal Edge-Triggered D-Type Flip-Flops with 3-State Outputs

SN74ABT374APWR	ACTIVE	TSSOP (PW) | 20	-40 TO 85	View Contents	1KU | 0.26	2000	6000*	130 | 21 Apr	4 WKS	Avnet | Americas	>1k	BUY NOW
								>10k | 08 May		DigiKey | Americas	>1k	BUY NOW

Table Data Updated on: 4/17/2003