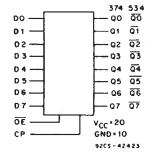


CD54/74AC374, CD54/74AC534 CD54/74ACT374, CD54/74ACT534

Data sheet acquired from Harris Semiconductor SCHS290



Octal D-Type Flip-Flops, 3-State Positive-Edge Triggered CD54/74AC/ACT374 - Non-Inverting CD54/74AC/ACT534 - Inverting

Type Features:

Buffered inputs
Typical propagation delay:

5 ns @ Vcc = 5 V, TA = 25° C, CL = 50 pF

FUNCTIONAL DIAGRAM

74AC/ACT574.)

temperature range.

The RCA-CD54/74AC374 and CD54/74AC534 and the

The Output Enable (OE) controls the 3-state outputs and is

independent of the register operation. When the Output

Enable (OE) is HIGH, the outputs are in the high-impedance

state. The CD54/74AC/ACT374 and CD54/74AC/ACT534

share the same pin configurations, but the CD54/74AC/

ACT374 outputs are non-inverted while the CD54/74AC/

ACT534 devices have inverted outputs. (For flow-through

pin configurations, see CD54/74AC/ACT564 and CD54/

The CD74AC/ACT374 and CD74AC/ACT534 are supplied in 20-lead dual-in-line plastic packages (E suffix) and in 20-lead dual-in-line small-outline plastic packages (M suffix).

Both package types are operable over the following temperature ranges: Commercial (0 to 70°C); Industrial (-40 to +85°C); and Extended Industrial/Military (-55 to +125°C). The CD54AC/ACT374 and CD54AC/ACT534, available in chip form (H suffix), are operable over the -55 to +125×C

Family Features:

- CD54/74ACT374 and CD54/74ACT534 octal D-type, 3-state, positive-edge triggered flip-flops use the RCA ADVANCED CMOS technology. The eight flip-flops enter data into their registers on the LOW-to-HIGH transition of the clock (CP). Speed of bipolar FAST*/AS/S with significantly
 - Speed of bipolar FAST*/AS/S with significantly reduced power consumption
 - Balanced propagation delays
 - AC types feature 1.5-V to 5.5-V operation and balanced noise immunity at 30% of the supply
 - ± 24-mA output drive current
 - Fanout to 15 FAST* ICs
 - Drives 50-ohm transmission lines

*FAST is a Registered Trademark of Fairchild Semiconductor Corp.

TRUTH TABLE

	INPUTS	OUTPUTS			
			374 534		
ŌE	СР	Dn	Qn	Qn	
L		н	н	L	
L		L	L	н	
L	L	X	00	QO	
н	X	X	Z	Z	

H = High level (steady state)

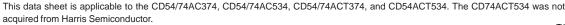
L = Low level (steady state)

X = Don't care

 $\int =$ Transition from low to high level

QO = The level of Q before the indicated steady-state input

conditions were established Z = High impedance



File Number 1883

Technical Data ______ CD54/74AC374, CD54/74AC534 CD54/74ACT374, CD54/74ACT534 MAXIMUM BATINGS Absolute Maximum Values

MAXIMUM RATINGS, Absolute-Maximum Values:	
DC SUPPLY-VOLTAGE (Vcc)	0.5 to 6 V
DC INPUT DIODE CURRENT. I_{ik} (for V ₁ < -0.5 V or V ₁ > V _{cc} + 0.5 V)	±20 mA
DC OUTPUT DIODE CURRENT, l_{or} (for $V_0 < -0.5$ V or $V_0 > V_{cc} + 0.5$ V)	±50 mA
DC OUTPUT SOURCE OR SINK CURRENT per Output Pin, I _o (for V _o $>$ -0.5 V or V _o	$_{\rm D} < V_{\rm CC} + 0.5 \text{ V}$) ±50 mA
DC Vcc or GROUND CURRENT (Icc or IGND)	±100 mA*
POWER DISSIPATION PER PACKAGE (PD):	500 141
POWER DISSIPATION PER PACKAGE (P ₀): For $T_A = -55$ to +100°C (PACKAGE TYPE E)	
For $I_{A} = \pm 100$ to $\pm 125^{\circ}$ C (PACKAGE LYPE E)	Defate Lifearry at o more o to boo more
For $T_{A} = -55$ to $\pm 70^{\circ}$ C (PACKAGE TYPE M)	
For $T_A = +70$ to $+125^{\circ}$ C (PACKAGE TYPE M)	Derate Linearly at 6 mW/°C to 70 mW
OPERATING-TEMPERATURE RANGE (TA)	
STORAGE TEMPERATURE (T _{stg})	65 to +150°C
LEAD TEMPERATURE (DURING SOLDERING):	0058.0
At distance 1/16 \pm 1/32 in. (1.59 \pm 0.79 mm) from case for 10 s maximum	+265°C
Unit inserted into PC board min. thickness 1/16 in. (1.59 mm) with solder contacting	ng lead tips only
*For up to 4 outputs per device; add \pm 25 mA for each additional output.	

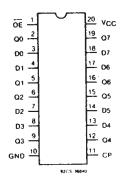
RECOMMENDED OPERATING CONDITIONS:

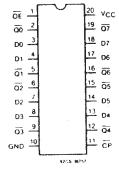
For maximum reliability, normal operating conditions should be selected so that operation is always within the following ranges:

	LIN	LIMITS				
CHARACTERISTIC	MIN.	MAX.	UNITS			
Supply-Voltage Range, V_{cc}^* : (For T _A = Full Package-Temperature Range)						
AC Types ACT Types	1.5 4.5	5.5 5.5	v v			
DC Input or Output Voltage, V ₁ , V ₀	0	Vcc	V			
Operating Temperature, T _A	-55	+125	°C			
Input Rise and Fall Slew Rate, dt/dv at 1.5 V to 3 V (AC Types) at 3.6 V to 5.5 V (AC Types) at 4.5 V to 5.5 V (ACT Types)	0 0 0	50 20 10	ns/V ns/V ns/V			

*Unless otherwise specified, all voltages are referenced to ground.

TERMINAL ASSIGNMENT DIAGRAMS





CD54/74AC/ACT534

CD54/74AC/ACT374

STATIC ELECTRICAL CHARACTERISTICS: AC Series

						AMBIEN	T TEMP	RATUR	E (T _A) - °	с	
CHARACTERISTI	ICS	TEST CO	TEST CONDITIONS		+	25	-40 1	lo +85	-55 to +125		UNITS
		V, (V)	l _o (mA)	(V)	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
High-Level Input				1.5	1.2	- 1	1.2	-	1.2	<u> </u>	1
Voltage	ViH			3	2.1	- 1	2.1	- 1	2.1		1 v
······································				5.5	3.85	-	3.85	_	3.85	1	1
Low-Level Input				1.5		0.3	-	0.3	- 1	0.3	
Voltage	VIL			3		0.9	- 1	0.9		0.9	1 v
				5.5	-	1.65	-	1.65	- 1	1.65	1
High-Level Output	8,		-0.05	1.5	1.4	- 1	1.4	- 1	1.4	- 1	
Voltage	Vон	ViH	-0.05	3	2.9		2.9		2.9		1
		or	-0.05	4.5	4.4		4.4	- 1	4.4	-	1
		ViL	-4	3	2.58	- 1	2.48	-	2.4	-	l v
			-24	4.5	3.94		3.8		3.7		
		#, * {	-75	5.5	l _		3.85	_		_	1
		π,	-50	5.5	_		-		3.85		1
Low-Level Output			0.05	1.5	_	0.1		0.1	_	0.1	
Voltage	Vol	Ин	0.05	3	_	0.1	_	0.1	_	0.1	1
		or	0.05	4.5	_	0.1		0.1	_	0.1	1
		Vil	12	3		0.36	_	0.44		0.5	v
			24	4.5		0.36	_	0.44		0.5	
		#, * {	75	5.5	_			1.65		_	
		"' [50	5.5	_			_	_	1.65	
Input Leakage Current	łı	V _{cc} or GND		5.5		±0.1	_	±1	-	±1	μA
3-State Leakage Current	loz	VIH									
	102	or									
		VIL									
		V _o =		5.5	-	±0.5	—	±5	-	±10	μA
		V _{cc}									
		or									
		GND									
Quiescent Supply Current, MSI	امد	V _{cc} or GND	0	5.5	-	8	-	80	-	160	μA

#Test one output at a time for a 1-second maximum duration. Measurement is made by forcing current and measuring voltage to minimize power dissipation. *Test verifies a minimum 50-ohm transmission-line-drive capability at +85°C, 75 ohms at +125°C.

9

STATIC ELECTRICAL CHARACTERISTICS: ACT Series

					AMBIENT TEMPERATURE (T _A) - °C						
CHARACTERISTI	cs	TEST COM	V _{cc}	+	25	-40 t	o +85	-55 to +125			
• •		V, (V)	l _o (mA)	(V)	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
High-Level Input Voltage	Vін			4.5 to 5.5	2	_	2		2	_	v
Low-Level Input Voltage	ViL			4.5 to 5.5		0.8	_	0.8	_	0.8	v
High-Level Output		ViH	-0.05	4.5	4.4	-	4.4		4.4		1
Voltage	Vон	or V _{IL}	-24	4.5	3.94		3.8		3.7		v
		#, * {	-75	5.5	_	—	3.85				
		" , " {	-50	5.5	—	—	-		3.85		ļ
Low-Level Output		VIH	0.05	4.5	—	0.1		0.1		0.1	1
Voltage	Vol	or ViL	24	4.5	—	0.36	_	0.44		0.5	v
		#, * {	75	5.5	—	-		1.65			1
		", " {	50	5.5	—					1.65	
Input Leakage Current	► I ₁	V _{cc} or GND		5.5	_	±0.1	-	±1		±1	μA
3-State Leakage Current	loz	V _{IH} or V _{IL} V ₀ = V ₀ or GND		5.5		±0.5	_	±5	_	±10	μΑ
Quiescent Supply Current, MSI	lcc	V _{cc} or GND	0	5.5	-	8	_	80		160	μA
Additional Quiescent Current per Input P TTL Inputs High 1 Unit Load		V _{cc} -2.1		4.5 to 5.5	_	2.4	_	2.8		3	MA

#Test one output at a time for a 1-second maximum duration. Measurement is made by forcing current and measuring voltage to minimize power dissipation. * Test verifies a minimum 50-ohm transmission-line-drive capability at +85°C, 75 ohms at +125°C.

ACT INPUT LOADING TABLE

INPUT	UNIT LOADS*
D, ÖE	0.7
CP	1.17

*Unit load is Alcc limit specified in Static Characteristics Chart, e.g., 2.4 mA max. @ 25°C.

PREREQUISITE FOR SWITCHING: AC Series

	· · · · · · · · · · · · · · · · · · ·		AMBI	ENT TEMPE	RATURE (T	Γ _A) - °C		
CHARACTERISTICS	SYMBOL	V _{cc} (V)	-40 t	o +85	-55 to			
		(•)	MIN.	MAX.	MAX. MIN.]	
Clock Pulse Width	tw	1.5 3.3* 5†	44 4.9 3.5		50 5.6 4	_	ns	
Setup Time Data to Clock	tsu	1.5 3.3 5	2 2 2		2 2 2	-	ns	
Hold Time Data to Clock	tн	1.5 3.3 5	2 2 2		2 2 2		ns	
Maximum Clock Frequency	f _{MAX}	1.5 3.3 5	11 101 143		10 89 125		MHz	

*3.3 V: min. is @ 3 V

†5 V: min. is @ 4.5 V

SWITCHING CHARACTERISTICS: AC Series; t, t = 3 ns, C = 50 pF

			AMBI	ENT TEMPE	RATURE (1	「₄) - °C		
CHARACTERISTICS	SYMBOL	V _{cc} (V)	-40 1	lo +85	-55 te	o +125		
		(•)	MIN.	MAX.	MIN.	MAX.]	
Propagation Delays: Clock to Q AC374	t _{PLH} tphl	1.5 3.3* 5†	3.9 2.8	123 13.7 9.8		135 15.1 10.8	ns	
Clock to Q AC534	tрін tрні	1.5 3.3 5	 4.1 2.9	128 14.4 10.3		141 15.8 11.3	ns	
Output Enable to Q, \overline{Q}	tezi tezi	1.5 3.3 5	 5.6 3.7	165 19.8 13.2	 5.5 3.6	181 21.8 14.5	ns	
Output Disable to Q, \overline{Q}	t _{PLZ} tpнz	1.5 3.3 5	4.7 3.7	165 16.5 13.2	4.5 3.6	181 18.1 14.5	ns	
Power Dissipation Capacitance	CPD§	_	67	Тур.	67	Тур.	pF	
Min. (Valley) V _{OH} During Switching of Other Outputs (Output Under Test Not Switching)	V _{онv} See Fig. 1	5	4 Typ. @ 25°C				v	
Max. (Peak) VoL During Switching of Other Outputs (Output Under Test Not Switching)	V _{OLP} See Fig. 1	5	1 Typ. @ 25°C			v		
Input Capacitance	Ci			10		10	pF	
3-State Output Capacitance	Co		_	15	_	15	pF	

*3.3 V: min. is @ 3.6 V

max. is @ 3 V

†5 V: min. is @ 5.5 V max. is @ 4.5 V

§CPD is used to determine the dynamic power consumption, per flip flop.

 $P_D = C_{PD} V_{CC}^2 f_i + \Sigma V_{CC}^2 f_0 C_L$ where $f_i = input$ frequency

fo = output frequency

 $C_L =$ output load capacitance $V_{CC} =$ supply voltage.

9

PREREQUISITE FOR SWITCHING: ACT Series

-				AMBIENT TEMPERATURE (TA) - °C					
CHARACTERISTICS	SYMBOL	V _{cc} (V)	-40 to +85		-55 to				
		(*)	MIN.	MAX.	MIN.	MAX.			
Clock Pulse Width	tw	5†	3.9		4.5	_	ns		
Setup Time Data to Clock	tsu	5	2	_	2		ns		
Hold Time Data to Clock	t _H	5	2.6	_	3	-	ns		
Maximum Clock Frequency	f _{MAX}	5	125	_	110	· _	MHz		

15 V: min. is @ 4.5 V

SWITCHING CHARACTERISTICS: ACT Series; t,, t, = 3 ns, C_L = 50 pF

	[]		AMBI		RATURE (1	(_A) - °C		
CHARACTERISTICS	SYMBOL	V _{cc}	-40 1	o +85	-55 to	o +125		
		(V)	MIN.	MAX.	MIN.	MAX.		
Propagation Delays: Clock to Q ACT374	telh. tehl	5†	2.9	10.2	2.8	11.2	ns	
Clock to Q ACT534	tрін tрні	5	3	10.6	2.9	11.7	ns	
Output Enable and Disable to Q ACT374	tplz tphz tpzl tpzн	5	3.7	13.2	3.6	14.5	'ns	
Output Enable and Disable to Q ACT534	tplz tphz tpzl tpzн	5	3.7	13.2	3.6	14.5	ns	
Power Dissipation Capacitance	CPD§		67	Тур.	67	Тур.	pF	
Min. (Valley) V _{он} During Switching of Other Outputs (Output Under Test Not Switching)	V _{онv} See Fig. 1	5		V				
Max. (Peak) VoL During Switching of Other Outputs (Output Under Test Not Switching)	Volp See Fig. 1	5	1 Typ. @ 25°C				v	
Input Capacitance	C,			10		10	pF	
3-State Output Capacitance	Co	_	-	15	_	15	pF	

†5 V: min. is @ 5.5 V

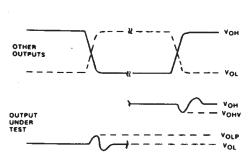
max. is @ 4.5 V

 $f_0 = output frequency$

 $C_L = output load capacitance$

 V_{CC} = supply voltage.

PARAMETER MEASUREMENT INFORMATION



NOTES:

- NOTES: 1. VORY AND VOLP ARE MEASURED WITH RESPECT TO A GROUND REFERENCE NEAR THE OUTPUT UNDER TEST. 2. INPUT PULSES MAVE THE FOLLOWING CHARACTERISTICS: PRR ≤ 1 MHA: $t_i = 3$ as $t_i \in 3$ as skew 1 ne. 3. R.F. FIXTURE WITH 700-MHz DESIGN RULES REQUIRED. IC SHOULD BE SOLDERED INTO TEST BOARD AND BYPASSED WITH 0.1 # CAPACITOR. SCOPE AND PROBES REQUIRE 700-MHz BANDWIDTH.

Fig. 1 - Simultaneous switching transient waveforms.

9205-42406

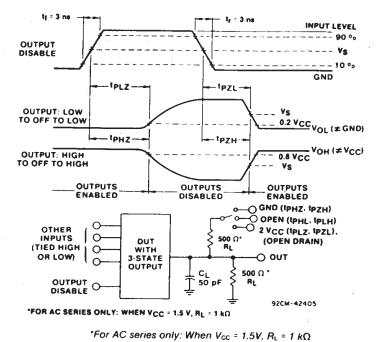
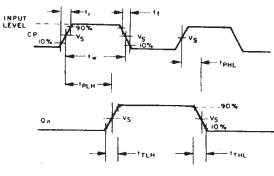


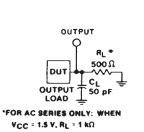
Fig. 2 - Three-state propagation delay waveforms and test circuit.

-

1_H(L)



92CS-38404RI



9205 - 42389

INPUT LEVEL D

C₽

Fig. 3 - Propagation delay times and test circuit.

	CD54/74AC	CD54/74ACT
Input Level	Vcc	3 V
Input Switching Voltage, Vs	0.5 V _{cc}	1.5 V
Output Switching Voltage, Vs	0.5 V _{cc}	0.5 Vcc

9

1...(H)

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92CS - 36954R1



PACKAGING INFORMATION

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead finish/ Ball material	MSL Peak Temp	Op Temp (°C)	Device Marking (4/5)	Samples
	(1)		J			(2)	(6)	(0)		(40)	
CD54AC374F3A	ACTIVE	CDIP	J	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	CD54AC374F3A	Samples
CD54ACT374F3A	ACTIVE	CDIP	J	20	1	Non-RoHS & Green	SNPB	N / A for Pkg Type	-55 to 125	CD54ACT374F3A	Samples
CD74AC374E	ACTIVE	PDIP	Ν	20	20	RoHS & Green	NIPDAU	N / A for Pkg Type	-55 to 125	CD74AC374E	Samples
CD74AC374M	ACTIVE	SOIC	DW	20	25	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-55 to 125	AC374M	Samples
CD74AC374M96	ACTIVE	SOIC	DW	20	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-55 to 125	AC374M	Samples
CD74AC374ME4	ACTIVE	SOIC	DW	20	25	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-55 to 125	AC374M	Samples
CD74AC534M96	ACTIVE	SOIC	DW	20	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-55 to 125	AC534M	Samples
CD74ACT374E	ACTIVE	PDIP	N	20	20	RoHS & Non-Green	NIPDAU	N / A for Pkg Type	-55 to 125	CD74ACT374E	Samples
CD74ACT374M96	ACTIVE	SOIC	DW	20	2000	RoHS & Green	NIPDAU	Level-1-260C-UNLIM	-55 to 125	ACT374M	Samples

⁽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⁾ RoHS: TI defines "RoHS" to mean semiconductor products that are compliant with the current EU RoHS requirements for all 10 RoHS substances, including the requirement that RoHS substance do not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, "RoHS" products are suitable for use in specified lead-free processes. TI may reference these types of products as "Pb-Free".

RoHS Exempt: TI defines "RoHS Exempt" to mean products that contain lead but are compliant with EU RoHS pursuant to a specific EU RoHS exemption.

Green: TI defines "Green" to mean the content of Chlorine (CI) and Bromine (Br) based flame retardants meet JS709B low halogen requirements of <=1000ppm threshold. Antimony trioxide based flame retardants must also meet the <=1000ppm threshold requirement.

⁽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.



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PACKAGE OPTION ADDENDUM

⁽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 finish/Ball material - Orderable Devices may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead finish/Ball material values may wrap to two lines if the finish value exceeds the maximum column width.

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OTHER QUALIFIED VERSIONS OF CD54AC374, CD54ACT374, CD74AC374, CD74ACT374 :

- Catalog : CD74AC374, CD74ACT374
- Military : CD54AC374, CD54ACT374

NOTE: Qualified Version Definitions:

- Catalog TI's standard catalog product
- Military QML certified for Military and Defense Applications

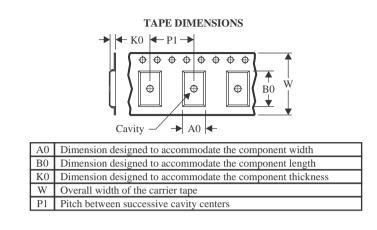


Texas

STRUMENTS

TAPE AND REEL INFORMATION





QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



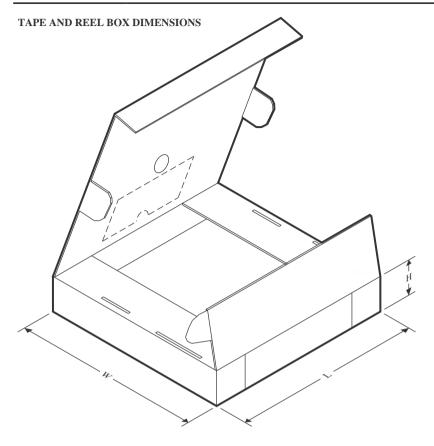
*All dimensions are nominal												
Device	Package Type	Package Drawing		SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
CD74AC374M96	SOIC	DW	20	2000	330.0	24.4	10.8	13.3	2.7	12.0	24.0	Q1
CD74AC534M96	SOIC	DW	20	2000	330.0	24.4	10.8	13.3	2.7	12.0	24.0	Q1
CD74ACT374M96	SOIC	DW	20	2000	330.0	24.4	10.8	13.3	2.7	12.0	24.0	Q1



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PACKAGE MATERIALS INFORMATION

12-May-2023



*All dimensions are nominal

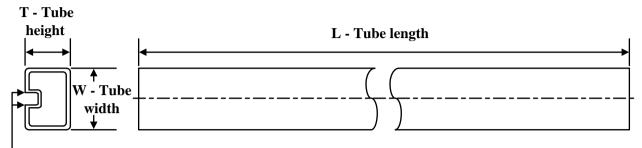
Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
CD74AC374M96	SOIC	DW	20	2000	367.0	367.0	45.0
CD74AC534M96	SOIC	DW	20	2000	367.0	367.0	45.0
CD74ACT374M96	SOIC	DW	20	2000	367.0	367.0	45.0

TEXAS INSTRUMENTS

www.ti.com

12-May-2023

TUBE



- B - Alignment groove width

*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (µm)	B (mm)
CD74AC374E	N	PDIP	20	20	506	13.97	11230	4.32
CD74AC374M	DW	SOIC	20	25	507	12.83	5080	6.6
CD74AC374ME4	DW	SOIC	20	25	507	12.83	5080	6.6
CD74ACT374E	N	PDIP	20	20	506	13.97	11230	4.32

J (R-GDIP-T**) 14 LEADS SHOWN

CERAMIC DUAL IN-LINE PACKAGE



NOTES: 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.

N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



NOTES:

- 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).
- \triangle The 20 pin end lead shoulder width is a vendor option, either half or full width.



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PACKAGE OUTLINE

SOIC - 2.65 mm max height

SOIC



NOTES:

- 1. All linear dimensions are in millimeters. Dimensions in parenthesis are for reference only. Dimensioning and tolerancing per ASME Y14.5M. 2. This drawing is subject to change without notice. 3. This dimension does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not
- exceed 0.15 mm per side.
- 4. This dimension does not include interlead flash. Interlead flash shall not exceed 0.43 mm per side.
- 5. Reference JEDEC registration MS-013.



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EXAMPLE BOARD LAYOUT

SOIC - 2.65 mm max height

SOIC



NOTES: (continued)

6. Publication IPC-7351 may have alternate designs.

7. Solder mask tolerances between and around signal pads can vary based on board fabrication site.



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EXAMPLE STENCIL DESIGN

SOIC - 2.65 mm max height

SOIC



NOTES: (continued)

- 8. Laser cutting apertures with trapezoidal walls and rounded corners may offer better paste release. IPC-7525 may have alternate design recommendations.
- 9. Board assembly site may have different recommendations for stencil design.



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