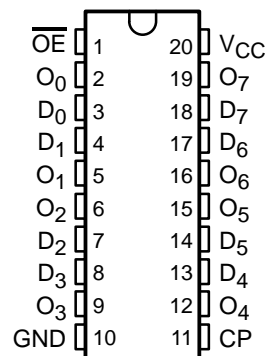


# CY54FCT374T, CY74FCT374T 8-BIT REGISTERS WITH 3-STATE OUTPUTS

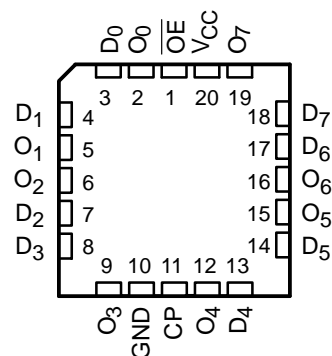
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- Function, Pinout, and Drive Compatible With FCT and F Logic
- Reduced  $V_{OH}$  (Typically = 3.3 V) Versions of Equivalent FCT Functions
- Edge-Rate Control Circuitry for Significantly Improved Noise Characteristics
- $I_{off}$  Supports Partial-Power-Down Mode Operation
- Matched Rise and Fall Times
- Fully Compatible With TTL Input and Output Logic Levels
- ESD Protection Exceeds JESD 22
  - 2000-V Human-Body Model (A114-A)
  - 200-V Machine Model (A115-A)
  - 1000-V Charged-Device Model (C101)
- Edge-Triggered D-Type Inputs
- 250-MHz Typical Switching Rate
- CY54FCT374T
  - 32-mA Output Sink Current
  - 12-mA Output Source Current
- CY74FCT374T
  - 64-mA Output Sink Current
  - 32-mA Output Source Current
- 3-State Outputs

CY54FCT374T . . . D PACKAGE  
CY74FCT374T . . . P, Q, OR SO PACKAGE  
(TOP VIEW)



CY54FCT374T . . . L PACKAGE  
(TOP VIEW)



## description

The 'FCT374T devices are high-speed, low-power, octal D-type flip-flops, featuring separate D-type inputs for each flip-flop. These devices have 3-state outputs for bus-oriented applications. A buffered clock (CP) and output-enable ( $\overline{OE}$ ) inputs are common to all flip-flops. The eight flip-flops in the 'FCT374T store the state of their individual D inputs that meet the setup-time and hold-time requirements on the low-to-high CP transition. When  $\overline{OE}$  is low, the contents of the eight flip-flops are available at the outputs. When  $\overline{OE}$  is high, the outputs are in the high-impedance state. The state of  $\overline{OE}$  does not affect the state of the flip-flops.

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 device when it is powered down.



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.

PRODUCTION DATA information is current as of publication date. Products conform to specifications per the terms of Texas Instruments standard warranty. Production processing does not necessarily include testing of all parameters.

 **TEXAS  
INSTRUMENTS**

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On products compliant to MIL-PRF-38535, all parameters are tested unless otherwise noted. On all other products, production processing does not necessarily include testing of all parameters.

**CY54FCT374T, CY74FCT374T**  
**8-BIT REGISTERS**  
**WITH 3-STATE OUTPUTS**

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**ORDERING INFORMATION**

TA	PACKAGE†		SPEED (ns)	ORDERABLE PART NUMBER	TOP-SIDE MARKING
-40°C to 85°C	QSOP – Q	Tape and reel	5.2	CY74FCT374CTQCT	FCT374C
	SOIC – SO	Tube	5.2	CY74FCT374CTSOC	FCT374C
		Tape and reel	5.2	CY74FCT374CTSOCT	
	DIP – P	Tube	6.5	CY74FCT374ATPC	CY74FCT374ATPC
	QSOP – Q	Tape and reel	6.5	CY74FCT374ATQCT	FCT374A
	SOIC – SO	Tube	6.5	CY74FCT374ATSOC	FCT374A
		Tape and reel	6.5	CY74FCT374ATSOCT	
	QSOP – Q	Tape and reel	10	CY74FCT374TQCT	FCT374
SOIC – SO	Tube	10	CY74FCT374TSOC	FCT374	
	Tape and reel	10	CY74FCT374TSOCT		
-55°C to 125°C	CDIP – D	Tube	6.2	CY54FCT374CTDMB	
	LCC – L	Tube	6.2	CY54FCT374CTLMB	
	CDIP – D	Tube	7.2	CY54FCT374ATDMB	
	LCC – L	Tube	7.2	CY54FCT374ATLMB	
	CDIP – D	Tube	11	CY54FCT374TDMB	
	LCC – L	Tube	11	CY54FCT374TLMB	

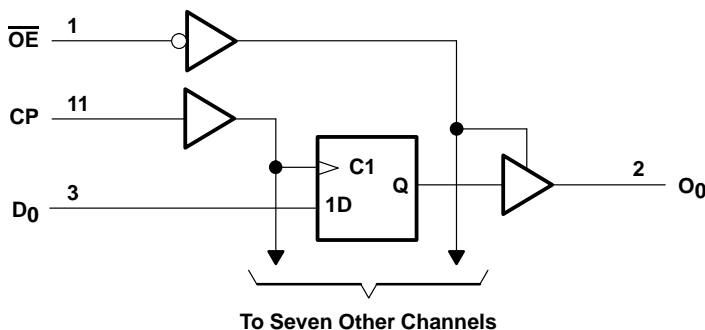
† Package drawings, standard packing quantities, thermal data, symbolization, and PCB design guidelines are available at [www.ti.com/sc/package](http://www.ti.com/sc/package).

**FUNCTION TABLE**

INPUTS			OUTPUT
D	CP	$\overline{OE}$	O
H	↑	L	H
L	↑	L	L
X	X	H	Z

H = High logic level, L = Low logic level,  
 X = Don't care, Z = High-impedance state,  
 ↑ = Low-to-high clock transition

**logic diagram (positive logic)**





# CY54FCT374T, CY74FCT374T

## 8-BIT REGISTERS

### WITH 3-STATE OUTPUTS

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

PARAMETER	TEST CONDITIONS	CY54FCT374T			CY74FCT374T			UNIT
		MIN	TYP†	MAX	MIN	TYP†	MAX	
V <sub>IK</sub>	V <sub>CC</sub> = 4.5 V, I <sub>IN</sub> = -18 mA	-0.7	-1.2					V
	V <sub>CC</sub> = 4.75 V, I <sub>IN</sub> = -18 mA				-0.7	-1.2		
V <sub>OH</sub>	V <sub>CC</sub> = 4.5 V, I <sub>OH</sub> = -12 mA	2.4	3.3					V
	V <sub>CC</sub> = 4.75 V	I <sub>OH</sub> = -32 mA			2			
		I <sub>OH</sub> = -15 mA			2.4	3.3		
V <sub>OL</sub>	V <sub>CC</sub> = 4.5 V, I <sub>OL</sub> = 32 mA		0.3	0.55				V
	V <sub>CC</sub> = 4.75 V, I <sub>OL</sub> = 64 mA				0.3	0.55		
V <sub>hys</sub>	All inputs		0.2		0.2			V
I <sub>I</sub>	V <sub>CC</sub> = 5.5 V, V <sub>IN</sub> = V <sub>CC</sub>			5				μA
	V <sub>CC</sub> = 5.25 V, V <sub>IN</sub> = V <sub>CC</sub>					5		
I <sub>IH</sub>	V <sub>CC</sub> = 5.5 V, V <sub>IN</sub> = 2.7 V			±1				μA
	V <sub>CC</sub> = 5.25 V, V <sub>IN</sub> = 2.7 V					±1		
I <sub>IL</sub>	V <sub>CC</sub> = 5.5 V, V <sub>IN</sub> = 0.5 V			±1				μA
	V <sub>CC</sub> = 5.25 V, V <sub>IN</sub> = 0.5 V					±1		
I <sub>off</sub>	V <sub>CC</sub> = 0 V, V <sub>OUT</sub> = 4.5 V			±1			±1	μA
I <sub>OS</sub> ‡	V <sub>CC</sub> = 5.5 V, V <sub>OUT</sub> = 0 V	-60	-120	-225				mA
	V <sub>CC</sub> = 5.25 V, V <sub>OUT</sub> = 0 V				-60	-120	-225	
I <sub>OZH</sub>	V <sub>CC</sub> = 5.5 V, V <sub>IN</sub> = 2.7 V			10				μA
	V <sub>CC</sub> = 5.25 V, V <sub>IN</sub> = 2.7 V					10		
I <sub>OZL</sub>	V <sub>CC</sub> = 5.5 V, V <sub>IN</sub> = 0.5 V			-10				μA
	V <sub>CC</sub> = 5.25 V, V <sub>IN</sub> = 0.5 V					-10		
I <sub>CC</sub>	V <sub>CC</sub> = 5.5 V, V <sub>IN</sub> ≤ 0.2 V, V <sub>IN</sub> ≥ V <sub>CC</sub> - 0.2 V		0.1	0.2				mA
	V <sub>CC</sub> = 5.25 V, V <sub>IN</sub> ≤ 0.2 V, V <sub>IN</sub> ≥ V <sub>CC</sub> - 0.2 V				0.1	0.2		
ΔI <sub>CC</sub>	V <sub>CC</sub> = 5.5 V, V <sub>IN</sub> = 3.4 V§, f <sub>1</sub> = 0, Outputs open		0.5	2				mA
	V <sub>CC</sub> = 5.25 V, V <sub>IN</sub> = 3.4 V§, f <sub>1</sub> = 0, Outputs open				0.5	2		

† Typical values are at V<sub>CC</sub> = 5 V, T<sub>A</sub> = 25°C.

‡ Not more than one output should be shorted at a time. Duration of short should not exceed one second. The use of high-speed test apparatus and/or sample-and-hold techniques are preferable to minimize internal chip heating and more accurately reflect operational values. Otherwise, prolonged shorting of a high output can raise the chip temperature well above normal and cause invalid readings in other parametric tests. In any sequence of parameter tests, I<sub>OS</sub> tests should be performed last.

§ Per TTL-driven input (V<sub>IN</sub> = 3.4 V); all other inputs at V<sub>CC</sub> or GND



**CY54FCT374T, CY74FCT374T**  
**8-BIT REGISTERS**  
**WITH 3-STATE OUTPUTS**

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

PARAMETER	TEST CONDITIONS		CY54FCT374T		CY74FCT374T		UNIT	
			MIN	TYP†	MAX	MIN		TYP†
$I_{CCD}^{\ddagger}$	$V_{CC} = 5.5$ V, Outputs open, One bit switching at 50% duty cycle, $\overline{OE} = GND$ , $V_{IN} \leq 0.2$ V or $V_{IN} \geq V_{CC} - 0.2$ V			0.06	0.12			mA/ MHz
	$V_{CC} = 5.25$ V, Outputs open, One bit switching at 50% duty cycle, $\overline{OE} = GND$ , $V_{IN} \leq 0.2$ V or $V_{IN} \geq V_{CC} - 0.2$ V					0.06	0.12	
$I_C$	$V_{CC} = 5.5$ V, $f_0 = 10$ MHz, Outputs open, $\overline{OE} = GND$	One bit switching at $f_1 = 5$ MHz at 50% duty cycle	$V_{IN} \leq 0.2$ V or $V_{IN} \geq V_{CC} - 0.2$ V	0.7	1.4			mA
			$V_{IN} = 3.4$ V or GND	1.2	3.4			
		Eight bits switching at $f_1 = 2.5$ MHz at 50% duty cycle	$V_{IN} \leq 0.2$ V or $V_{IN} \geq V_{CC} - 0.2$ V	1.6	3.2			
			$V_{IN} = 3.4$ V or GND	3.9	12.2			
	$V_{CC} = 5.25$ V, $f_0 = 10$ MHz, Outputs open, $\overline{OE} = GND$	One bit switching at $f_1 = 5$ MHz at 50% duty cycle	$V_{IN} \leq 0.2$ V or $V_{IN} \geq V_{CC} - 0.2$ V			0.7	1.4	
			$V_{IN} = 3.4$ V or GND			1.2	3.4	
		Eight bits switching at $f_1 = 2.5$ MHz at 50% duty cycle	$V_{IN} \leq 0.2$ V or $V_{IN} \geq V_{CC} - 0.2$ V			1.6	3.2	
			$V_{IN} = 3.4$ V or GND			3.9	12.2	
$C_i$			5	10	5	10	pF	
$C_o$			9	12	9	12	pF	

† Typical values are at  $V_{CC} = 5$  V,  $T_A = 25^\circ\text{C}$ .

‡ This parameter is derived for use in total power-supply calculations.

#  $I_C = I_{CC} + \Delta I_{CC} \times D_H \times N_T + I_{CCD} (f_0/2 + f_1 \times N_1)$

Where:

$I_C$  = Total supply current

$I_{CC}$  = Power-supply current with CMOS input levels

$\Delta I_{CC}$  = Power-supply current for a TTL high input ( $V_{IN} = 3.4$  V)

$D_H$  = Duty cycle for TTL inputs high

$N_T$  = Number of TTL inputs at  $D_H$

$I_{CCD}$  = Dynamic current caused by an input transition pair (HLH or LHL)

$f_0$  = Clock frequency for registered devices, otherwise zero

$f_1$  = Input signal frequency

$N_1$  = Number of inputs changing at  $f_1$

All currents are in milliamperes and all frequencies are in megahertz.

|| Values for these conditions are examples of the  $I_{CC}$  formula.



# CY54FCT374T, CY74FCT374T

## 8-BIT REGISTERS

### WITH 3-STATE OUTPUTS

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

		CY54FCT374T		CY54FCT374AT		CY54FCT374CT		UNIT
		MIN	MAX	MIN	MAX	MIN	MAX	
t <sub>w</sub>	Pulse duration, CP high or low	7		6		6		ns
t <sub>su</sub>	Setup time, data before CP↑	2		2		2		ns
t <sub>h</sub>	Hold time, data after CP↑	1.5		1.5		1.5		ns

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

		CY74FCT374T		CY74FCT374AT		CY74FCT374CT		UNIT
		MIN	MAX	MIN	MAX	MIN	MAX	
t <sub>w</sub>	Pulse duration, CP high or low	7		5		5		ns
t <sub>su</sub>	Setup time, data before CP↑	2		2		2		ns
t <sub>h</sub>	Hold time, data after CP↑	1.5		1.5		1.5		ns

switching characteristics over operating free-air temperature range (see Figure 1)

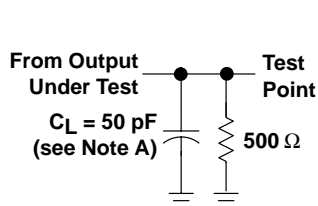
PARAMETER	FROM (INPUT)	TO (OUTPUT)	CY54FCT374T		CY54FCT374AT		CY54FCT374CT		UNIT
			MIN	MAX	MIN	MAX	MIN	MAX	
t <sub>PLH</sub>	CP	O	2	11	2	7.2	2	6.2	ns
t <sub>PHL</sub>			2	11	2	7.2	2	6.2	
t <sub>PZH</sub>	$\overline{OE}$	O	1.5	14	1.5	7.5	1.5	6.2	ns
t <sub>PZL</sub>			1.5	14	1.5	7.5	1.5	6.2	
t <sub>PHZ</sub>	$\overline{OE}$	O	1.5	8	1.5	6.5	1.5	5.7	ns
t <sub>PLZ</sub>			1.5	8	1.5	6.5	1.5	5.7	

switching characteristics over operating free-air temperature range (see Figure 1)

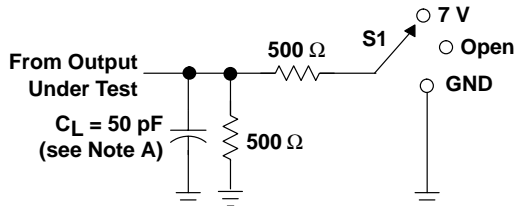
PARAMETER	FROM (INPUT)	TO (OUTPUT)	CY74FCT374T		CY74FCT374AT		CY74FCT374CT		UNIT
			MIN	MAX	MIN	MAX	MIN	MAX	
t <sub>PLH</sub>	CP	O	2	10	2	6.5	2	5.2	ns
t <sub>PHL</sub>			2	10	2	6.5	2	5.2	
t <sub>PZH</sub>	$\overline{OE}$	O	1.5	12.5	1.5	6.5	1.5	5.5	ns
t <sub>PZL</sub>			1.5	12.5	1.5	6.5	1.5	5.5	
t <sub>PHZ</sub>	$\overline{OE}$	O	1.5	8	1.5	5.5	1.5	5	ns
t <sub>PLZ</sub>			1.5	8	1.5	5.5	1.5	5	



PARAMETER MEASUREMENT INFORMATION

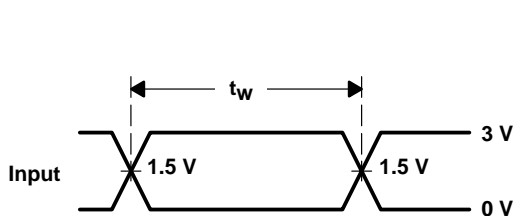


LOAD CIRCUIT FOR  
TOTEM-POLE OUTPUTS

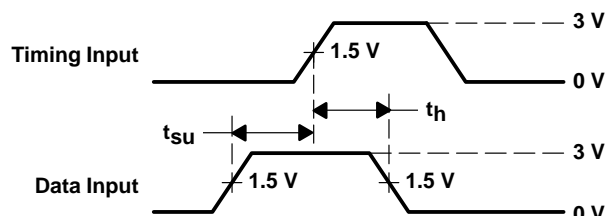


LOAD CIRCUIT FOR  
3-STATE OUTPUTS

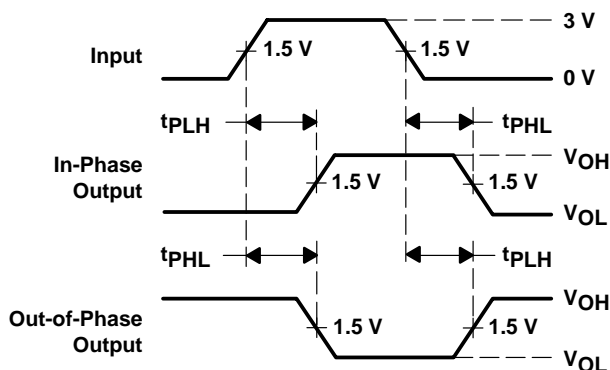
TEST	S1
$t_{PLH}/t_{PHL}$	Open
$t_{PLZ}/t_{PZL}$	7 V
$t_{PHZ}/t_{PZH}$	Open



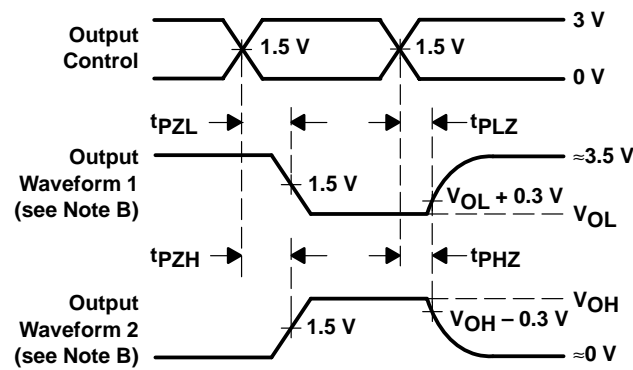
VOLTAGE WAVEFORMS  
PULSE DURATION



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. The outputs are measured one at a time with one input transition per measurement.

Figure 1. Load Circuit and Voltage Waveforms

**PACKAGING INFORMATION**

Orderable part number	Status (1)	Material type (2)	Package   Pins	Package qty   Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
<a href="#">5962-9221802M2A</a>	Active	Production	LCCC (FK)   20	55   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962- 9221802M2A CY54FCT 374TLMB
<a href="#">5962-9221802MRA</a>	Active	Production	CDIP (J)   20	20   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962-9221802MR A CY54FCT374TDMB
<a href="#">5962-9221804M2A</a>	Active	Production	LCCC (FK)   20	55   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962- 9221804M2A CY54FCT 374ATLMB
<a href="#">5962-9221804MRA</a>	Active	Production	CDIP (J)   20	20   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962-9221804MR A CY54FCT374ATDM B
<a href="#">5962-9221806M2A</a>	Active	Production	LCCC (FK)   20	55   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962- 9221806M2A CY54FCT 374CTLMB
<a href="#">CY54FCT374ATDMB</a>	Active	Production	CDIP (J)   20	20   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962-9221804MR A CY54FCT374ATDM B
<a href="#">CY54FCT374ATLMB</a>	Active	Production	LCCC (FK)   20	55   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962- 9221804M2A CY54FCT 374ATLMB
<a href="#">CY54FCT374CTLMB</a>	Active	Production	LCCC (FK)   20	55   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962- 9221806M2A CY54FCT 374CTLMB
<a href="#">CY54FCT374TDMB</a>	Active	Production	CDIP (J)   20	20   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962-9221802MR A CY54FCT374TDMB



Orderable part number	Status (1)	Material type (2)	Package   Pins	Package qty   Carrier	RoHS (3)	Lead finish/ Ball material (4)	MSL rating/ Peak reflow (5)	Op temp (°C)	Part marking (6)
<a href="#">CY54FCT374TLMB</a>	Active	Production	LCCC (FK)   20	55   TUBE	No	SNPB	N/A for Pkg Type	-55 to 125	5962- 9221802M2A CY54FCT 374TLMB
<a href="#">CY74FCT374ATPC</a>	Active	Production	PDIP (N)   20	20   TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	CY74FCT374ATPC
<a href="#">CY74FCT374ATPC.B</a>	Active	Production	PDIP (N)   20	20   TUBE	Yes	NIPDAU	N/A for Pkg Type	-40 to 85	CY74FCT374ATPC
<a href="#">CY74FCT374ATQCT</a>	Active	Production	SSOP (DBQ)   20	2500   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	FCT374A
<a href="#">CY74FCT374ATQCT.B</a>	Active	Production	SSOP (DBQ)   20	2500   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	FCT374A
<a href="#">CY74FCT374ATSOC</a>	Active	Production	SOIC (DW)   20	25   TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT374A
<a href="#">CY74FCT374ATSOC.B</a>	Active	Production	SOIC (DW)   20	25   TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT374A
<a href="#">CY74FCT374ATSOCT</a>	Active	Production	SOIC (DW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT374A
<a href="#">CY74FCT374ATSOCT.B</a>	Active	Production	SOIC (DW)   20	2000   LARGE T&R	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT374A
<a href="#">CY74FCT374CTSOC</a>	Active	Production	SOIC (DW)   20	25   TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT374C
<a href="#">CY74FCT374CTSOC.B</a>	Active	Production	SOIC (DW)   20	25   TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT374C
<a href="#">CY74FCT374TQCT</a>	Active	Production	SSOP (DBQ)   20	2500   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	FCT374
<a href="#">CY74FCT374TQCT.B</a>	Active	Production	SSOP (DBQ)   20	2500   LARGE T&R	Yes	NIPDAU	Level-2-260C-1 YEAR	-40 to 85	FCT374
<a href="#">CY74FCT374TSOC</a>	Active	Production	SOIC (DW)   20	25   TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT374
<a href="#">CY74FCT374TSOC.B</a>	Active	Production	SOIC (DW)   20	25   TUBE	Yes	NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT374

(1) **Status:** For more details on status, see our [product life cycle](#).

(2) **Material type:** When designated, preproduction parts are prototypes/experimental devices, and are not yet approved or released for full production. Testing and final process, including without limitation quality assurance, reliability performance testing, and/or process qualification, may not yet be complete, and this item is subject to further changes or possible discontinuation. If available for ordering, purchases will be subject to an additional waiver at checkout, and are intended for early internal evaluation purposes only. These items are sold without warranties of any kind.

(3) **RoHS values:** Yes, No, RoHS Exempt. See the [TI RoHS Statement](#) for additional information and value definition.

(4) **Lead finish/Ball material:** Parts 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.

(5) **MSL rating/Peak reflow:** The moisture sensitivity level ratings and peak solder (reflow) temperatures. In the event that a part has multiple moisture sensitivity ratings, only the lowest level per JEDEC standards is shown. Refer to the shipping label for the actual reflow temperature that will be used to mount the part to the printed circuit board.

**(6) Part marking:** There may be an additional marking, which relates to the logo, the lot trace code information, or the environmental category of the part.

Multiple part markings will be inside parentheses. Only one part marking contained in parentheses and separated by a "-" will appear on a part. If a line is indented then it is a continuation of the previous line and the two combined represent the entire part marking for that device.

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**TAPE AND REEL INFORMATION**

**QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE**

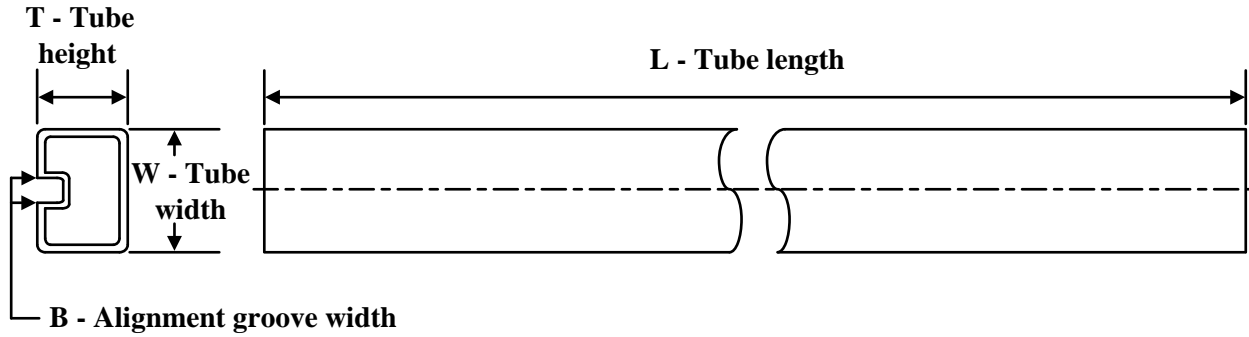

\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
CY74FCT374ATQCT	SSOP	DBQ	20	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
CY74FCT374ATSOCT	SOIC	DW	20	2000	330.0	24.4	10.8	13.3	2.7	12.0	24.0	Q1
CY74FCT374TQCT	SSOP	DBQ	20	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1

**TAPE AND REEL BOX DIMENSIONS**


\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
CY74FCT374ATQCT	SSOP	DBQ	20	2500	353.0	353.0	32.0
CY74FCT374ATSOCT	SOIC	DW	20	2000	356.0	356.0	45.0
CY74FCT374TQCT	SSOP	DBQ	20	2500	353.0	353.0	32.0

**TUBE**


\*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (μm)	B (mm)
5962-9221802M2A	FK	LCCC	20	55	506.98	12.06	2030	NA
5962-9221804M2A	FK	LCCC	20	55	506.98	12.06	2030	NA
5962-9221806M2A	FK	LCCC	20	55	506.98	12.06	2030	NA
CY54FCT374ATLMB	FK	LCCC	20	55	506.98	12.06	2030	NA
CY54FCT374CTLMB	FK	LCCC	20	55	506.98	12.06	2030	NA
CY54FCT374TLMB	FK	LCCC	20	55	506.98	12.06	2030	NA
CY74FCT374ATPC	N	PDIP	20	20	506	13.97	11230	4.32
CY74FCT374ATPC.B	N	PDIP	20	20	506	13.97	11230	4.32
CY74FCT374ATSOC	DW	SOIC	20	25	507	12.83	5080	6.6
CY74FCT374ATSOC.B	DW	SOIC	20	25	507	12.83	5080	6.6
CY74FCT374CTSOC	DW	SOIC	20	25	507	12.83	5080	6.6
CY74FCT374CTSOC.B	DW	SOIC	20	25	507	12.83	5080	6.6
CY74FCT374TSOC	DW	SOIC	20	25	507	12.83	5080	6.6
CY74FCT374TSOC.B	DW	SOIC	20	25	507	12.83	5080	6.6

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