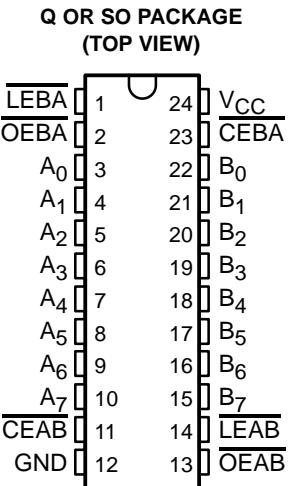


- Function and Pinout Compatible With FCT and F Logic
- 25- $\Omega$  Output Series Resistors to Reduce Transmission-Line Reflection Noise
- Reduced  $V_{OH}$  (Typically = 3.3 V) Versions of Equivalent FCT Functions
- Edge-Rate Control Circuitry for Significantly Improved Noise Characteristics
- $I_{off}$  Supports Partial-Power-Down Mode Operation
- Matched Rise and Fall Times
- Fully Compatible With TTL Input and Output Logic Levels
- 12-mA Output Sink Current  
15-mA Output Source Current
- Separation Controls for Data Flow in Each Direction
- Back-to-Back Latches for Storage
- ESD Protection Exceeds JESD 22
  - 2000-V Human-Body Model (A114-A)
  - 200-V Machine Model (A115-A)
  - 1000-V Charged-Device Model (C101)
- 3-State Outputs



## description

The CY74FCT2543T octal latched transceiver contains two sets of eight D-type latches. Separate latch enable ( $\overline{LEAB}$ ,  $\overline{LEBA}$ ) and output enable ( $\overline{OEAB}$ ,  $\overline{OEBA}$ ) inputs permit each latch set to have independent control of inputting and outputting in either direction of data flow. For example, for data flow from A to B, the A-to-B enable ( $CEAB$ ) input must be low to enter data from A or to take data from B, as indicated in the function table. With  $CEAB$  low, a low signal on the A-to-B latch enable ( $\overline{LEAB}$ ) input makes the A-to-B latches transparent; a subsequent low-to-high transition of  $\overline{LEAB}$  puts the A latches in the storage mode and their outputs no longer change with the A inputs. With  $CEAB$  and  $OEAB$  both low, the 3-state B output buffers are active and reflect data present at the output of the A latches. Control of data from B to A is similar, but uses  $CEAB$ ,  $LEAB$ , and  $OEAB$  inputs. On-chip termination resistors at the outputs reduce system noise caused by reflections. The CY74FCT2543T can replace the CY74FCT543T to reduce noise in an existing design.

This device is 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.

**CY74FCT2543T**  
**8-BIT LATCHED TRANSCEIVER**  
**WITH 3-STATE OUTPUTS**

SCCS042C – SEPTEMBER 1994 – REVISED NOVEMBER 2001

**PIN DESCRIPTION**

NAME	DESCRIPTION
<u>OEAB</u>	A-to-B output-enable input (active low)
<u>OEBA</u>	B-to-A output-enable input (active low)
<u>CEAB</u>	A-to-B enable input (active low)
<u>CEBA</u>	B-to-A enable input (active low)
<u>LEAB</u>	A-to-B latch-enable input (active low)
<u>LEBA</u>	B-to-A latch-enable input (active low)
A	A-to-B data inputs or B-to-A 3-state outputs
B	B-to-A data inputs or A-to-B 3-state outputs

**ORDERING INFORMATION**

TA	PACKAGE <sup>†</sup>		SPEED (ns)	ORDERABLE PART NUMBER	TOP-SIDE MARKING
-40°C to 85°C	QSOP – Q	Tape and reel	5.3	CY74FCT2543CTQCT	FCT2543C
	SOIC – SO	Tube	5.3	CY74FCT2543CTSOC	FCT2543C
		Tape and reel	5.3	CY74FCT2543CTSOCT	
	QSOP – Q	Tape and reel	6.5	CY74FCT2543ATQCT	FCT2543A
	SOIC – SO	Tube	6.5	CY74FCT2543ATSOC	FCT2543A
		Tape and reel	6.5	CY74FCT2543ATSOCT	
	QSOP – Q	Tape and reel	8.5	CY74FCT2543TQCT	FCT2543

<sup>†</sup> 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			LATCH A-TO-B <sup>‡</sup>	OUTPUT B
CEAB	LEAB	OEAB		
H	X	X	Storing	Z
X	H	X	Storing	X
X	X	H	X	Z
L	L	L	Transparent	Current A inputs
L	H	L	Storing	Previous A inputs

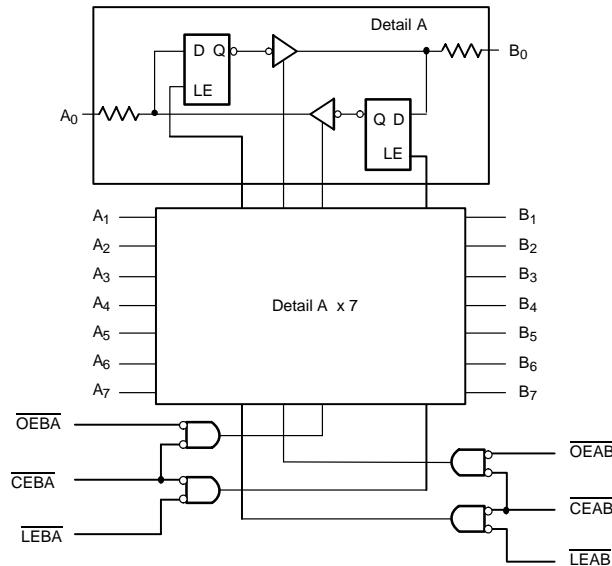
<sup>‡</sup> Before LEAB low-to-high transition

H = High logic level, L = Low logic level, X = Don't care,

Z = High-impedance state

A-to-B data flow shown; B-to-A is the same, except using CEBA, LEBA, and OEBA.

functional block diagram



absolute maximum rating over operating free-air temperature range (unless otherwise noted)<sup>†</sup>

Supply voltage range to ground potential	–0.5 V to 7 V
DC input voltage range	–0.5 V to 7 V
DC output voltage range	–0.5 V to 7 V
DC output current (maximum sink current/pin)	120 mA
Package thermal impedance, $\theta_{JA}$ (see Note 1): Q package	61°C/W
	SO package
Ambient temperature range with power applied, $T_A$	–65°C to 135°C
Storage temperature range, $T_{stg}$	–65°C to 150°C

<sup>†</sup> 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.

NOTE 1: The package thermal impedance is calculated in accordance with JESD 51-7.

recommended operating conditions (see Note 2)

		MIN	NOM	MAX	UNIT
$V_{CC}$	Supply voltage	4.75	5	5.25	V
$V_{IH}$	High-level input voltage	2			V
$V_{IL}$	Low-level input voltage			0.8	V
$I_{OH}$	High-level output current			–15	mA
$I_{OL}$	Low-level output current			12	mA
$T_A$	Operating free-air temperature	–40		85	°C

NOTE 2: All unused inputs of the device must be held at  $V_{CC}$  or GND to ensure proper device operation.

**CY74FCT2543T**  
**8-BIT LATCHED TRANSCEIVER**  
**WITH 3-STATE OUTPUTS**

SCCS042C – SEPTEMBER 1994 – REVISED NOVEMBER 2001

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

PARAMETER	TEST CONDITIONS		MIN	TYP†	MAX	UNIT
$V_{IK}$	$V_{CC} = 4.75$ V,	$I_{IN} = -18$ mA		-0.7	-1.2	V
$V_{OH}$	$V_{CC} = 4.75$ V,	$I_{OH} = -15$ mA	2.4	3.3		V
$V_{OL}$	$V_{CC} = 4.75$ V,	$I_{OL} = 12$ mA		0.3	0.55	V
$R_{out}$	$V_{CC} = 4.75$ V,	$I_{OL} = 12$ mA	20	25	40	$\Omega$
$V_{hys}$	All inputs			0.2		V
$I_{IH}$	$V_{CC} = 5.25$ V	$V_{IN} = V_{CC}$		5		$\mu A$
		$V_{IN} = 2.7$ V		$\pm 1$		
$I_{IL}$	$V_{CC} = 5.25$ V,	$V_{IN} = 0.5$ V		$\pm 1$		$\mu A$
$I_{OZH}$	$V_{CC} = 5.25$ V,	$V_{OUT} = 2.7$ V		15		$\mu A$
$I_{OZL}$	$V_{CC} = 5.25$ V,	$V_{OUT} = 0.5$ V		-15		$\mu A$
$I_{OS}^{\ddagger}$	$V_{CC} = 5.25$ V,	$V_{OUT} = 0$ V	-60	-120	-225	mA
$I_{off}$	$V_{CC} = 0$ V,	$V_{OUT} = 4.5$ V		$\pm 1$		$\mu A$
$I_{CC}$	$V_{CC} = 5.25$ V,	$V_{IN} \leq 0.2$ V,	$V_{IN} \geq V_{CC} - 0.2$ V	0.1	0.2	mA
$\Delta I_{CC}$	$V_{CC} = 5.25$ V, $V_{IN} = 3.4$ V $\ddot{S}$ , $f_1 = 0$ , Outputs open			0.5	2	mA
$I_{CCD}^{\ddagger}$	$V_{CC} = 5.25$ V, One input switching at 50% duty cycle, Outputs open, CEAB and OEAB = LOW, CEBA = HIGH, $V_{IN} \leq 0.2$ V or $V_{IN} \geq V_{CC} - 0.2$ V			0.06	1.2	$mA/$ $MHz$
$I_C^{\#}$	$V_{CC} = 5.25$ V, $f_0 = 10$ MHz, Outputs open, <u>CEAB</u> and <u>OEAB</u> = LOW, <u>CEBA</u> = HIGH, $f_0 = LEAB = 10$ MHz	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 $f_1 = 5$ MHz at 50% duty cycle	$V_{IN} \leq 0.2$ V or $V_{IN} \geq V_{CC} - 0.2$ V	2.8	5.6 $\parallel$	
			$V_{IN} = 3.4$ V or GND	5.1	14.6 $\parallel$	
$C_i$				5	10	pF
$C_o$				9	12	pF

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

‡ 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,  $I_{OS}$  tests should be performed last.

§ Per TTL-driven input ( $V_{IN} = 3.4$  V); all other inputs at  $V_{CC}$  or GND

¶ 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.



POST OFFICE BOX 655303 • DALLAS, TEXAS 75265

**CY74FCT2543T**  
**8-BIT LATCHED TRANSCEIVER**  
**WITH 3-STATE OUTPUTS**

SCCS042C – SEPTEMBER 1994 – REVISED NOVEMBER 2001

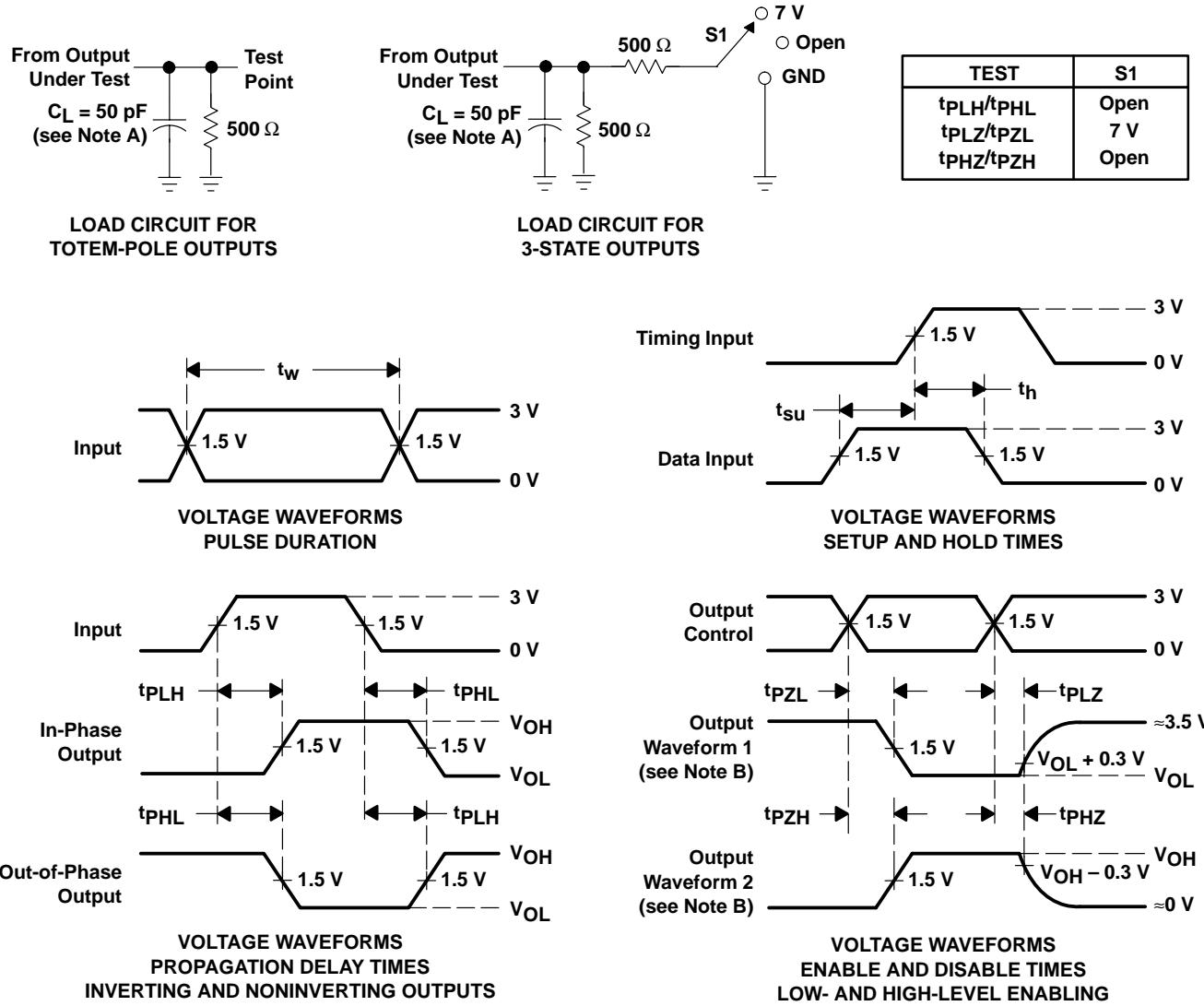
**timing requirements over recommended operating free-air temperature range (unless otherwise noted) (see Figure 1)**

PARAMETER		CY74FCT2543T		CY74FCT2543AT		CY74FCT2543CT		UNIT
		MIN	MAX	MIN	MAX	MIN	MAX	
$t_W$	Pulse duration, LEBA or LEAB low	5		5		5		ns
$t_{SU}$	Setup time, high or low	A or B before $\overline{LEBA} \downarrow$ or $\overline{LEAB} \downarrow$		2		2		ns
$t_h$	Hold time, high or low	A or B after $\overline{LEBA} \downarrow$ or $\overline{LEAB} \downarrow$		2		2		ns

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

PARAMETER	FROM (INPUT)	TO (OUTPUT)	CY74FCT2543T		CY74FCT2543AT		CY74FCT2543CT		UNIT
			MIN	MAX	MIN	MAX	MIN	MAX	
$t_{PLH}$	A or B	B or A	2.5	8.5	2.5	6.5	2.5	5.5	ns
$t_{PHL}$			2.5	12.5	2.5	8	2.5	7	
$t_{PLH}$	$\overline{LEBA}$ or $\overline{LEAB}$	A or B	2	12	2	9	2	8	ns
$t_{PHL}$			2	12	2	9	2	8	
$t_{PZH}$	$\overline{OEBA}$ or $\overline{OEAB}$	A or B	2	12	2	9	2	8	ns
$t_{PZL}$			2	12	2	9	2	8	
$t_{PZH}$	$\overline{CEBA}$ or $\overline{CEAB}$	A or B	2	12	2	9	2	8	ns
$t_{PZL}$			2	12	2	9	2	8	
$t_{PHZ}$	$\overline{OEBA}$ or $\overline{OEAB}$	A or B	2	9	2	7.5	2	6.5	ns
$t_{PLZ}$			2	9	2	7.5	2	6.5	
$t_{PHZ}$	$\overline{CEBA}$ or $\overline{CEAB}$	A or B	2	9	2	7.5	2	6.5	ns
$t_{PLZ}$			2	9	2	7.5	2	6.5	

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

**Figure 1. Load Circuit and Voltage Waveforms**

## PACKAGING INFORMATION

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish (6)	MSL Peak Temp (3)	Op Temp (°C)	Device Marking (4/5)	Samples
74FCT2543ATSOCTE4	ACTIVE	SOIC	DW	24		TBD	Call TI	Call TI	-40 to 85		<span style="background-color: red; color: white; padding: 2px;">Samples</span>
74FCT2543ATSOCTG4	ACTIVE	SOIC	DW	24		TBD	Call TI	Call TI	-40 to 85		<span style="background-color: red; color: white; padding: 2px;">Samples</span>
CY74FCT2543ATQCT	ACTIVE	SSOP	DBQ	24	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1 YEAR	-40 to 85	FCT2543A	<span style="background-color: red; color: white; padding: 2px;">Samples</span>
CY74FCT2543ATSOC	ACTIVE	SOIC	DW	24	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT2543A	<span style="background-color: red; color: white; padding: 2px;">Samples</span>
CY74FCT2543ATSOCT	OBsolete	SOIC	DW	24		TBD	Call TI	Call TI	-40 to 85	FCT2543A	
CY74FCT2543CTQCT	ACTIVE	SSOP	DBQ	24	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-2-260C-1 YEAR	-40 to 85	FCT2543C	<span style="background-color: red; color: white; padding: 2px;">Samples</span>
CY74FCT2543CTSOC	ACTIVE	SOIC	DW	24	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-40 to 85	FCT2543C	<span style="background-color: red; color: white; padding: 2px;">Samples</span>

(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.

(4) There may be additional marking, which relates to the logo, the lot trace code information, or the environmental category on the device.

---

(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.

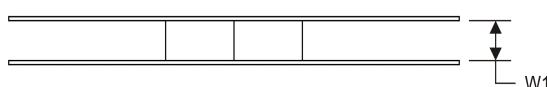
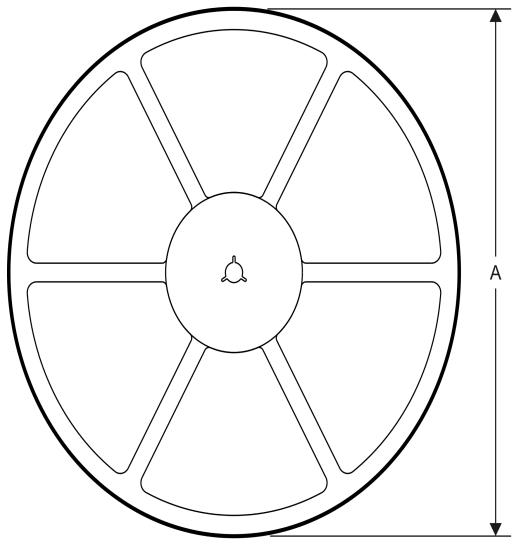
(6) Lead/Ball Finish - Orderable Devices may have multiple material finish options. Finish options are separated by a vertical ruled line. Lead/Ball Finish values may wrap to two lines if the finish value exceeds the maximum column width.

**Important Information and Disclaimer:** The information provided on this page represents TI's knowledge and belief as of the date that it is provided. TI bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy of such information. Efforts are underway to better integrate information from third parties. TI has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. TI and TI suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

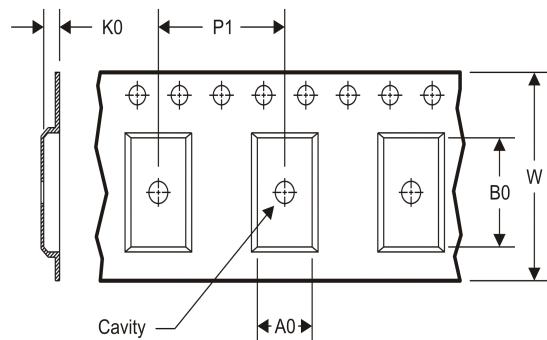
In no event shall TI's liability arising out of such information exceed the total purchase price of the TI part(s) at issue in this document sold by TI to Customer on an annual basis.

## TAPE AND REEL INFORMATION

### REEL DIMENSIONS



### TAPE DIMENSIONS

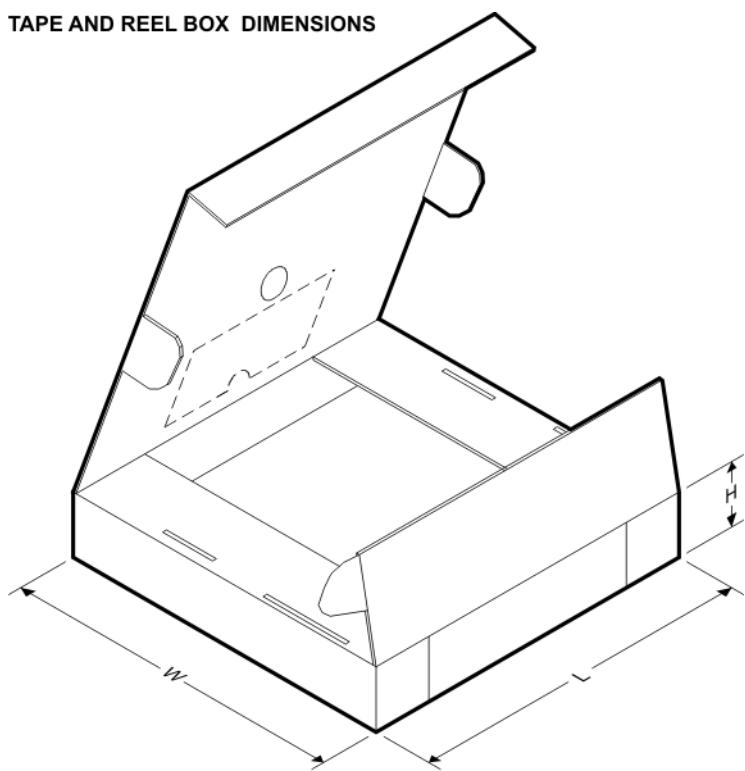


A0	Dimension designed to accommodate the component width
B0	Dimension designed to accommodate the component length
K0	Dimension designed to accommodate the component thickness
W	Overall width of the carrier tape
P1	Pitch between successive cavity centers

### TAPE AND REEL INFORMATION

\*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
CY74FCT2543ATQCT	SSOP	DBQ	24	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
CY74FCT2543CTQCT	SSOP	DBQ	24	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1

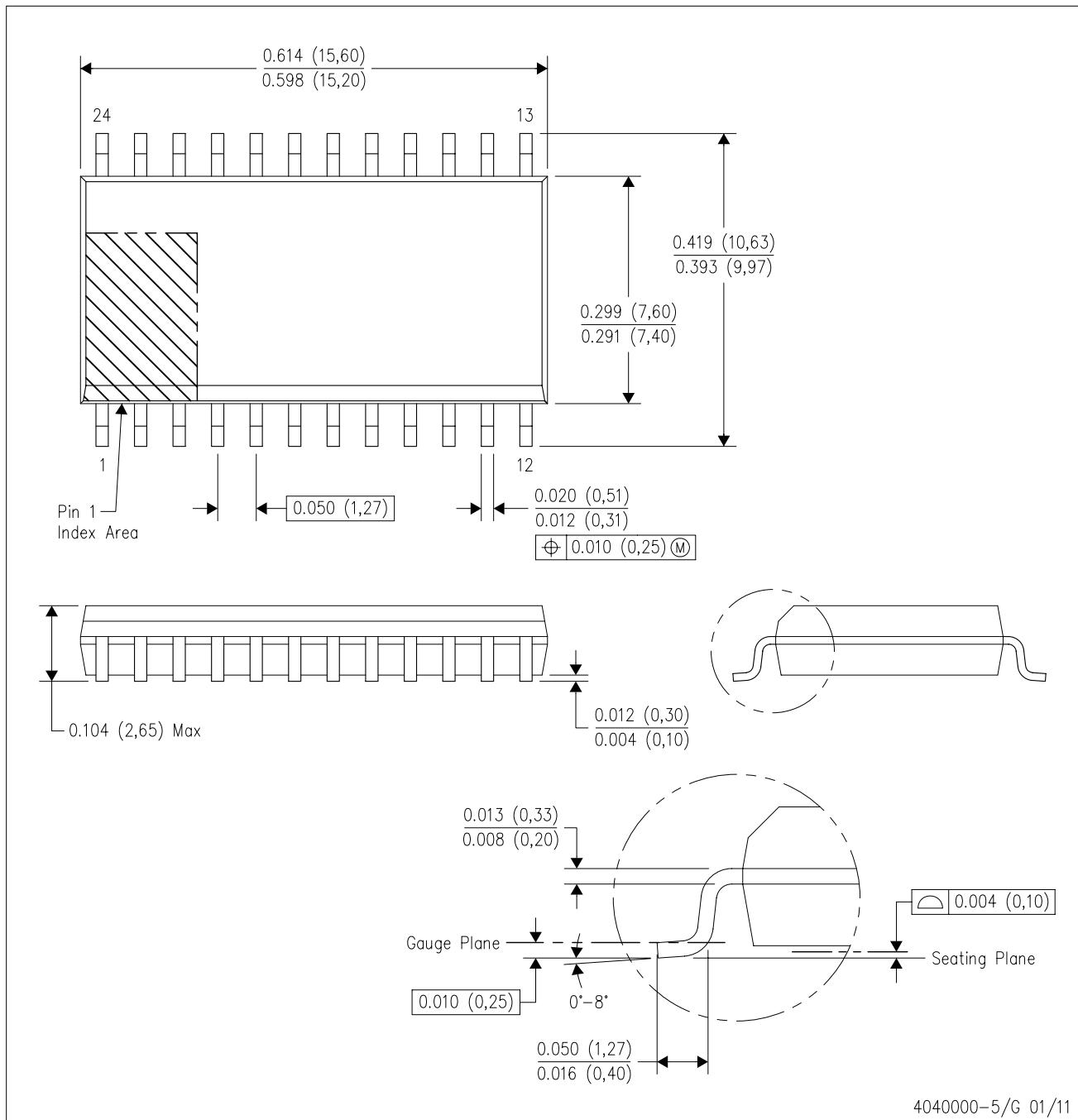
**TAPE AND REEL BOX DIMENSIONS**

\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
CY74FCT2543ATQCT	SSOP	DBQ	24	2500	367.0	367.0	38.0
CY74FCT2543CTQCT	SSOP	DBQ	24	2500	367.0	367.0	38.0

DW (R-PDSO-G24)

PLASTIC SMALL OUTLINE

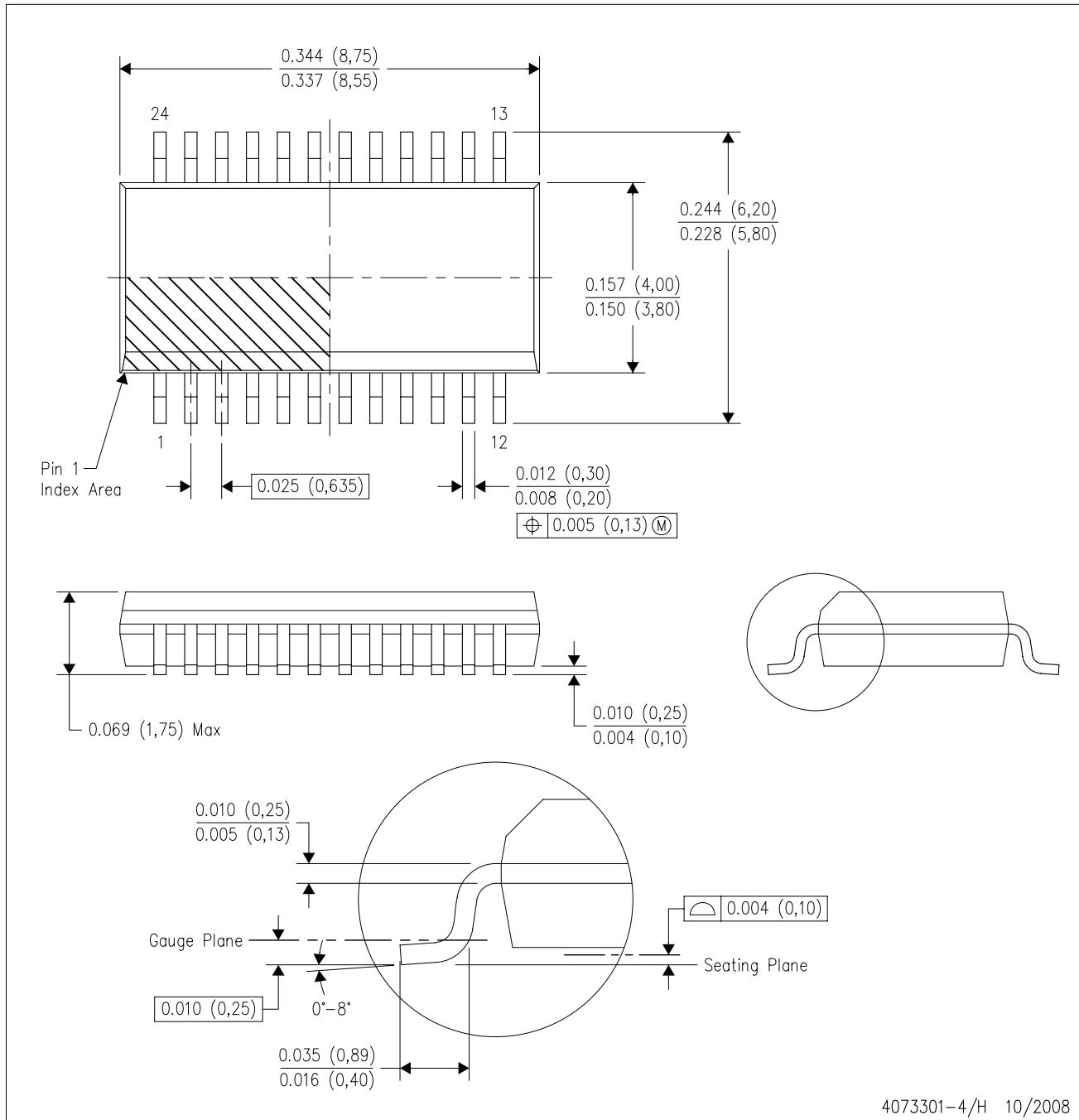


NOTES:

- All linear dimensions are in inches (millimeters). Dimensioning and tolerancing per ASME Y14.5M-1994.
- This drawing is subject to change without notice.
- Body dimensions do not include mold flash or protrusion not to exceed 0.006 (0.15).
- Falls within JEDEC MS-013 variation AD.

DBQ (R-PDSO-G24)

PLASTIC SMALL-OUTLINE PACKAGE



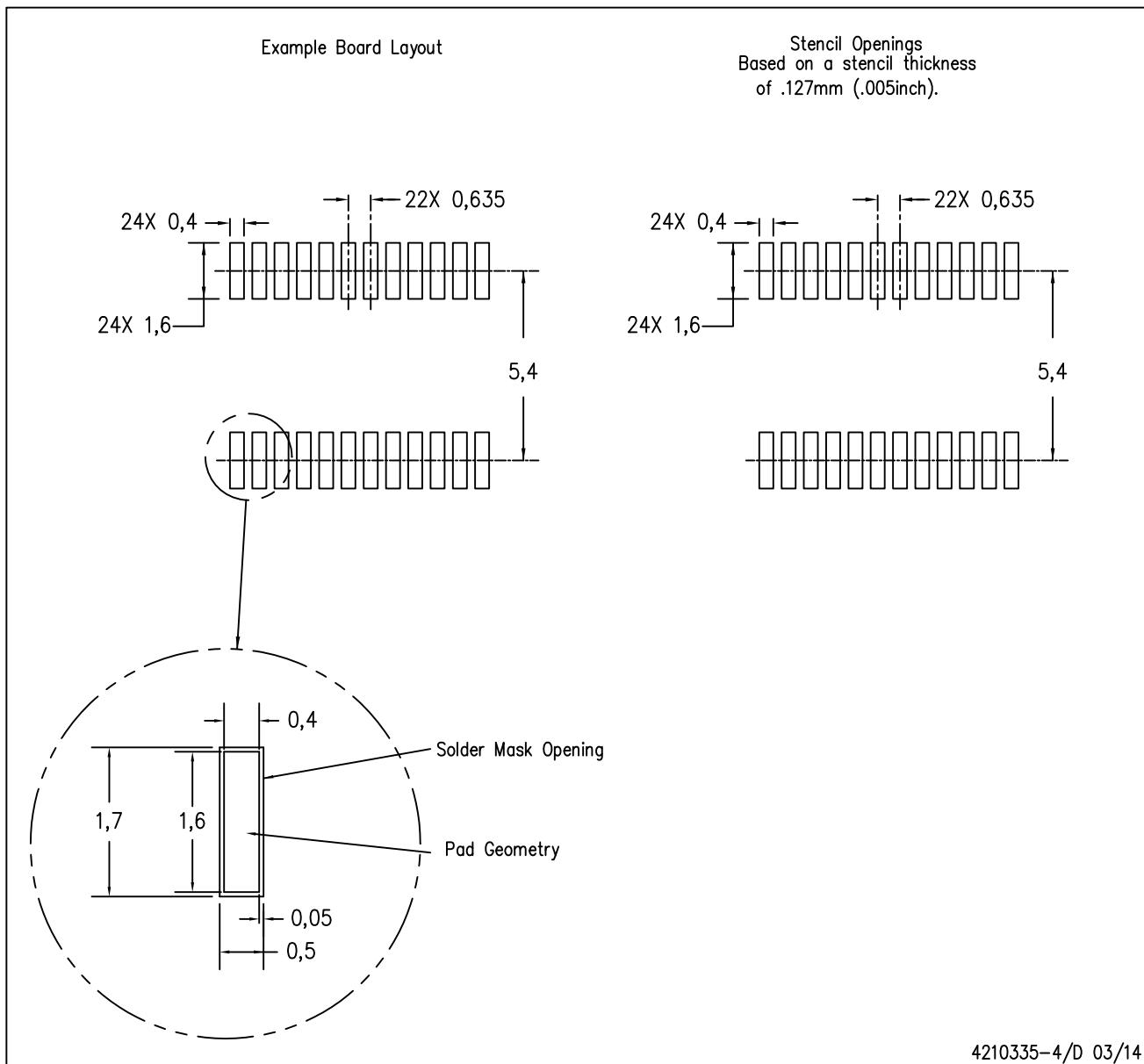
NOTES:

- 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) per side.
- D. Falls within JEDEC MO-137 variation AE.

## LAND PATTERN DATA

DBQ (R-PDSO-G24)

PLASTIC SMALL OUTLINE PACKAGE



NOTES:

- 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. 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. Example stencil design based on a 50% volumetric metal load solder paste. Refer to IPC-7525 for other stencil recommendations.

## IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve the right to make corrections, enhancements, improvements and other changes to its semiconductor products and services per JESD46, latest issue, and to discontinue any product or service per JESD48, latest issue. Buyers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All semiconductor products (also referred to herein as "components") are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment.

TI warrants performance of its components to the specifications applicable at the time of sale, in accordance with the warranty in TI's terms and conditions of sale of semiconductor products. Testing and other quality control techniques are used to the extent TI deems necessary to support this warranty. Except where mandated by applicable law, testing of all parameters of each component is not necessarily performed.

TI assumes no liability for applications assistance or the design of Buyers' products. Buyers are responsible for their products and applications using TI components. To minimize the risks associated with Buyers' products and applications, Buyers should provide adequate design and operating safeguards.

TI does not warrant or represent that any license, either express or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right relating to any combination, machine, or process in which TI components or services are used. Information published by TI regarding third-party products or services does not constitute a license to use such products or services or a warranty or endorsement thereof. Use of such information may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

Reproduction of significant portions of TI information in TI data books or data sheets is permissible only if reproduction is without alteration and is accompanied by all associated warranties, conditions, limitations, and notices. TI is not responsible or liable for such altered documentation. Information of third parties may be subject to additional restrictions.

Resale of TI components or services with statements different from or beyond the parameters stated by TI for that component or service voids all express and any implied warranties for the associated TI component or service and is an unfair and deceptive business practice. TI is not responsible or liable for any such statements.

Buyer acknowledges and agrees that it is solely responsible for compliance with all legal, regulatory and safety-related requirements concerning its products, and any use of TI components in its applications, notwithstanding any applications-related information or support that may be provided by TI. Buyer represents and agrees that it has all the necessary expertise to create and implement safeguards which anticipate dangerous consequences of failures, monitor failures and their consequences, lessen the likelihood of failures that might cause harm and take appropriate remedial actions. Buyer will fully indemnify TI and its representatives against any damages arising out of the use of any TI components in safety-critical applications.

In some cases, TI components may be promoted specifically to facilitate safety-related applications. With such components, TI's goal is to help enable customers to design and create their own end-product solutions that meet applicable functional safety standards and requirements. Nonetheless, such components are subject to these terms.

No TI components are authorized for use in FDA Class III (or similar life-critical medical equipment) unless authorized officers of the parties have executed a special agreement specifically governing such use.

Only those TI components which TI has specifically designated as military grade or "enhanced plastic" are designed and intended for use in military/aerospace applications or environments. Buyer acknowledges and agrees that any military or aerospace use of TI components which have **not** been so designated is solely at the Buyer's risk, and that Buyer is solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI has specifically designated certain components as meeting ISO/TS16949 requirements, mainly for automotive use. In any case of use of non-designated products, TI will not be responsible for any failure to meet ISO/TS16949.

Products	Applications
Audio	<a href="http://www.ti.com/audio">www.ti.com/audio</a>
Amplifiers	<a href="http://amplifier.ti.com">amplifier.ti.com</a>
Data Converters	<a href="http://dataconverter.ti.com">dataconverter.ti.com</a>
DLP® Products	<a href="http://www.dlp.com">www.dlp.com</a>
DSP	<a href="http://dsp.ti.com">dsp.ti.com</a>
Clocks and Timers	<a href="http://www.ti.com/clocks">www.ti.com/clocks</a>
Interface	<a href="http://interface.ti.com">interface.ti.com</a>
Logic	<a href="http://logic.ti.com">logic.ti.com</a>
Power Mgmt	<a href="http://power.ti.com">power.ti.com</a>
Microcontrollers	<a href="http://microcontroller.ti.com">microcontroller.ti.com</a>
RFID	<a href="http://www.ti-rfid.com">www.ti-rfid.com</a>
OMAP Applications Processors	<a href="http://www.ti.com/omap">www.ti.com/omap</a>
Wireless Connectivity	<a href="http://www.ti.com/wirelessconnectivity">www.ti.com/wirelessconnectivity</a>
	<b>TI E2E Community</b>
	<a href="http://e2e.ti.com">e2e.ti.com</a>