

### FEATURES

- **Controlled Baseline** 
  - One Assembly/Test Site, One Fabrication Site
- Extended Temperature Performance of -55°C to 125°C
- Enhanced Diminishing Manufacturing Sources (DMS) Support
- **Enhanced Product-Change Notification**
- Qualification Pedigree (1)
- 2-V to 5.5-V V<sub>cc</sub> Operation
- Max t<sub>nd</sub> of 6.5 ns at 5 V
- Typical V<sub>OLP</sub> (Output Ground Bounce) <0.8 V at  $V_{CC}$  = 3.3 V, T<sub>A</sub> = 25°C
- Typical V<sub>OHV</sub> (Output V<sub>OH</sub> Undershoot) >2.3 V at V<sub>CC</sub> = 3.3 V, T<sub>A</sub> = 25°C
- Supports Mixed-Mode Voltage Operation on All Ports
- Ioff Supports Partial-Power-Down Mode Operation
- Latch-Up Performance Exceeds 250 mA Per JESD 17
- (1) Component qualification in accordance with JEDEC and industry standards to ensure reliable operation over an extended temperature range. This includes, but is not limited to, Highly Accelerated Stress Test (HAST) or biased 85/85, temperature cycle, autoclave or unbiased HAST, electromigration, bond intermetallic life, and mold compound life. Such qualification testing should not be viewed as justifying use of this component beyond specified performance and environmental limits.

## DESCRIPTION/ORDERING INFORMATION

This octal buffer/line driver is designed for 2-V to 5.5-V  $V_{CC}$  operation.

The SN74LV244A-EP is designed specifically to improve both the performance and density of 3-state memory address drivers, clock drivers, and bus-oriented receivers and transmitters.

The device is organized as two 4-bit line drivers with separate output-enable ( $\overline{OE}$ ) inputs. When  $\overline{OE}$  is low, the device passes data from the A inputs to the Y outputs. When  $\overline{OE}$  is high, 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<sub>CC</sub> 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 I<sub>off</sub>. The I<sub>off</sub> circuitry disables the outputs, preventing damaging current backflow through the devices when they are powered down.

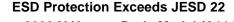
#### ORDERING INFORMATION

T <sub>A</sub>	PACKAG	E <sup>(1)</sup>	ORDERABLE PART NUMBER	TOP-SIDE MARKING	
–55°C to 125°C	SOIC – DW	Reel of 2000	SN74LV244AMDWREP	LV244AMEP	

Package drawings, standard packing quantities, thermal data, symbolization, and PCB design guidelines are available at (1) 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.



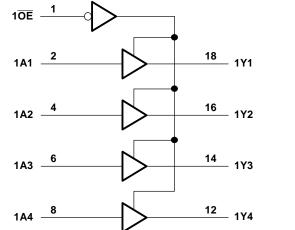
- 2000-V Human-Body Model (A114-A)
- 200-V Machine Model (A115-A)
- 1000-V Charged-Device Model (C101)

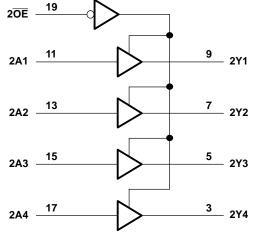
DW PACKAGE (TOP VIEW)										
1 <u>0</u> [	1	$\cup_{20}$								
1A1 [	2	19	] 20E							
2Y4 [	3	18	] 1Y1							
1A2 [	4	17	2A4							
2Y3 [	5	16	] 1Y2							
1A3 [	6	15	2A3							
2Y2 [	7	14	] 1Y3							
1A4 [	8	13	2A2							
2Y1 [	9	12	] 1Y4							
GND [	10	11	2A1							

#### FUNCTION TABLE (EACH BUFFER)

INPU	INPUTS					
OE	Α	Y				
L	Н	Н				
L	L	L				
Н	Х	Z				

#### LOGIC DIAGRAM (POSITIVE LOGIC)





### Absolute Maximum Ratings<sup>(1)</sup>

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

			MIN	MAX	UNIT
V <sub>CC</sub>	Supply voltage range		-0.5	7	V
VI	Input voltage range <sup>(2)</sup>		-0.5	7	V
Vo	Voltage range applied to any output in the high-impe	edance or power-off state <sup>(2)</sup>	-0.5	7	V
Vo	Output voltage range applied in the high or low state	-0.5	V <sub>CC</sub> + 0.5	V	
I <sub>IK</sub>	Input clamp current	V <sub>1</sub> < 0		-20	mA
I <sub>OK</sub>	Output clamp current	V <sub>O</sub> < 0		-50	mA
I <sub>O</sub>	Continuous output current	$V_{O} = 0$ to $V_{CC}$		±35	mA
	Continuous current through V <sub>CC</sub> or GND		±70	mA	
$\theta_{JA}$	Package thermal impedance <sup>(4)</sup>		58	°C/W	
T <sub>stg</sub>	Storage temperature range		-65	150	°C

(1) 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.

(2) The input and output negative-voltage ratings may be exceeded if the input and output current ratings are observed.

(3) This value is limited to 5.5 V maximum.

(4) The package thermal impedance is calculated in accordance with JESD 51-7.

Recommended Operating Conditions<sup>(1)</sup>

			MIN	MAX	UNIT
V <sub>CC</sub>	Supply voltage		2	5.5	V
		$V_{CC} = 2 V$	1.5		
V	Lligh lovel input veltage	$V_{CC}$ = 2.3 V to 2.7 V	$V_{CC} \times 0.7$		V
VIH	High-level input voltage	$V_{CC}$ = 3 V to 3.6 V	$V_{CC} \times 0.7$		v
		$V_{CC}$ = 4.5 V to 5.5 V	$V_{CC}  imes 0.7$		
		V <sub>CC</sub> = 2 V		0.5	
V		$V_{CC}$ = 2.3 V to 2.7 V		$V_{CC} \times 0.3$	V
V <sub>IL</sub>	Low-level input voltage	$V_{CC}$ = 3 V to 3.6 V		$V_{CC}  imes 0.3$	v
		$V_{CC}$ = 4.5 V to 5.5 V		$V_{CC}  imes 0.3$	
VI	Input voltage		0	5.5	V
V	Output voltage	High or low state	0	V <sub>CC</sub>	V
Vo	Oulput voltage	3-state	0	5.5	v
		$V_{CC} = 2 V$		-50	μA
	Lich lovel output ourrent	$V_{CC}$ = 2.3 V to 2.7 V		-2	
I <sub>OH</sub>	High-level output current	$V_{CC}$ = 3 V to 3.6 V		-8	mA
		$V_{CC}$ = 4.5 V to 5.5 V		-16	
		$V_{CC} = 2 V$		50	μA
	Low-level output current	$V_{CC}$ = 2.3 V to 2.7 V		2	
I <sub>OL</sub>		$V_{CC}$ = 3 V to 3.6 V			
		$V_{CC}$ = 4.5 V to 5.5 V		16	
		$V_{CC}$ = 2.3 V to 2.7 V		200	
$\Delta t / \Delta v$	Input transition rise or fall rate	$V_{CC}$ = 3 V to 3.6 V		100	
		$V_{CC}$ = 4.5 V to 5.5 V		20	
T <sub>A</sub>	Operating free-air temperature		-55	125	°C

(1) All unused inputs of the device must be held at V<sub>CC</sub> or GND to ensure proper device operation. Refer to the TI application report, Implications of Slow or Floating CMOS Inputs, literature number SCBA004.

### SN74LV244A-EP OCTAL BUFFER/DRIVER WITH 3-STATE OUTPUTS SCLS695-JANUARY 2006

# Electrical Characteristics

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

PARAMETER	TEST CONDITIONS	V <sub>cc</sub>	MIN	TYP	MAX	UNIT
	I <sub>OH</sub> = -50 μA	2 V to 5.5 V	V <sub>CC</sub> – 0.1			
	$I_{OH} = -2 \text{ mA}$	2.3 V	2			V
V <sub>OH</sub>	$I_{OH} = -8 \text{ mA}$	3 V	2.48			V
	I <sub>OH</sub> = -16 mA	4.5 V	3.8			
	I <sub>OL</sub> = 50 μA	2 V to 5.5 V			0.1	
N/	I <sub>OL</sub> = 2 mA	2.3 V			0.4	N
V <sub>OL</sub>	I <sub>OL</sub> = 8 mA	3 V			0.44	V
	I <sub>OL</sub> = 16 mA	4.5 V			0.55	
I <sub>I</sub>	V <sub>1</sub> = 5.5 V or GND	0 to 5.5 V			±1	μΑ
I <sub>OZ</sub>	$V_{O} = V_{CC}$ or GND	5.5 V			±5	μA
I <sub>CC</sub>	$V_1 = V_{CC}$ or GND, $I_0 = 0$	5.5 V			20	μA
I <sub>off</sub>	$V_1 \text{ or } V_0 = 0 \text{ to } 5.5 \text{ V}$	0			5	μΑ
Ci	$V_1 = V_{CC}$ or GND	3.3 V		2.3		pF

### **Switching Characteristics**

over recommended operating free-air temperature range, V<sub>CC</sub> = 2.5 V  $\pm$  0.2 V (unless otherwise noted) (see Figure 1)

ВА	RAMETER	FROM	то	LOAD	r	Γ <sub>A</sub> = 25°C		MIN	МАХ	UNIT
FA		(INPUT)	(OUTPUT)	CAPACITANCE	MIN	TYP	MAX	IVIIIN	IVIAA	UNIT
	t <sub>pd</sub>	А	Y			9.5	15.3	1	18	ns
	t <sub>en</sub>	ŌE	Y	C <sub>L</sub> = 50 pF		10.8	17.8	1	21	ns
	t <sub>dis</sub>	ŌE	Y			13.4	19.2	1	21	ns
	t <sub>sk(o)</sub>						2		2	ns

### **Switching Characteristics**

over recommended operating free-air temperature range, V<sub>CC</sub> = 3.3 V  $\pm$  0.3 V (unless otherwise noted) (see Figure 1)

PARAMETER	FROM	то	LOAD	T	<sub>A</sub> = 25°C		MIN	МАХ	UNIT
PARAMETER	(INPUT)	(OUTPUT)	CAPACITANCE	MIN	TYP	MAX	IVIIIN	WAA	UNIT
t <sub>pd</sub>	А	Y			6.8	11.9	1	13.5	ns
t <sub>en</sub>	OE	Y			7.8	14.1	1	16	ns
t <sub>dis</sub>	ŌĒ	Y	C <sub>L</sub> = 50 pF		11	16	1	18	ns
t <sub>sk(o)</sub>						1.5		1.5	ns



### **Switching Characteristics**

over recommended operating free-air temperature range,  $V_{CC}$  = 5 V ± 0.5 V (unless otherwise noted) (see Figure 1)

PARAMETER	FROM	то	LOAD	Τ <sub>4</sub>	∖ = 25°C		MIN	МАХ	UNIT
FARAMETER	(INPUT)	(OUTPUT)	CAPACITANCE	MIN	TYP	MAX	IVIIIN	IVIAA	UNIT
t <sub>pd</sub>	A	Y			4.9	7.5	1	8.5	ns
t <sub>en</sub>	OE	Y			5.6	9.3	1	10.5	ns
t <sub>dis</sub>	OE	Y	C <sub>L</sub> = 50 pF		8.8	14.2	1	15.5	ns
t <sub>sk(o)</sub>						1		1	ns

### Noise Characteristics<sup>(1)</sup>

 $V_{CC}$  = 3.3 V,  $C_L$  = 50 pF,  $T_A$  = 25°C

	PARAMETER	MIN	TYP	MAX	UNIT
V <sub>OL(P)</sub>	Quiet output, maximum dynamic V <sub>OL</sub>		0.55		V
V <sub>OL(V)</sub>	Quiet output, minimum dynamic V <sub>OL</sub>		-0.5		V
V <sub>OH(V)</sub>	Quiet output, minimum dynamic V <sub>OH</sub>		2.9		V
V <sub>IH(D)</sub>	High-level dynamic input voltage	2.31			V
V <sub>IL(D)</sub>	Low-level dynamic input voltage			0.99	V

(1) Characteristics are for surface-mount packages only.

### **Operating Characteristics**

 $T_A = 25^{\circ}C$ 

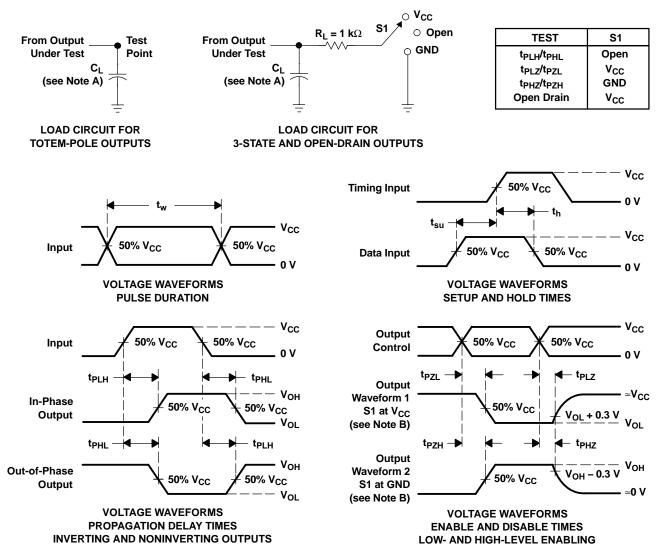
	PARAMETER	TEST CO	NDITIONS	V <sub>cc</sub>	TYP	UNIT
<u> </u>	Dower discipation conscitutes		f = 10 MHz	3.3 V	14	pF
C <sub>pd</sub>	Power dissipation capacitance	C <sub>L</sub> = 50 pF,	t = 10 MHz	5 V	16	

## SN74LV244A-EP OCTAL BUFFER/DRIVER WITH 3-STATE OUTPUTS

SCLS695-JANUARY 2006



#### PARAMETER MEASUREMENT INFORMATION



NOTES: A. CL 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  $\leq$  1 MHz, Z<sub>O</sub> = 50  $\Omega$ , t<sub>f</sub>  $\leq$  3 ns, t<sub>f</sub>  $\leq$  3 ns.
- D. The outputs are measured one at a time, with one input transition per measurement.
- E.  $t_{PLZ}$  and  $t_{PHZ}$  are the same as  $t_{dis}$ .
- F.  $t_{PZL}$  and  $t_{PZH}$  are the same as  $t_{en}$ .
- G.  $t_{PHL}$  and  $t_{PLH}$  are the same as  $t_{pd}$ .
- H. All parameters and waveforms are not applicable to all devices.

Figure 1. Load Circuits and Voltage Waveforms



31-May-2014

# PACKAGING INFORMATION

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	Eco Plan (2)	Lead/Ball Finish (6)	MSL Peak Temp	Op Temp (°C)	Device Marking (4/5)	Samples
SN74LV244AMDWREP	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	LV244AMEP	Samples
V62/06604-01XE	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	-55 to 125	LV244AMEP	Samples

<sup>(1)</sup> 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)

<sup>(3)</sup> MSL, Peak Temp. - The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

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

<sup>(5)</sup> 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.



# PACKAGE OPTION ADDENDUM

31-May-2014

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.

OTHER QUALIFIED VERSIONS OF SN74LV244A-EP :

• Catalog: SN74LV244A

NOTE: Qualified Version Definitions:

• Catalog - TI's standard catalog product

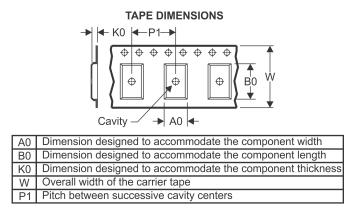
# PACKAGE MATERIALS INFORMATION

www.ti.com

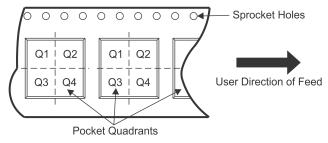
Texas Instruments

### TAPE AND REEL INFORMATION





## QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



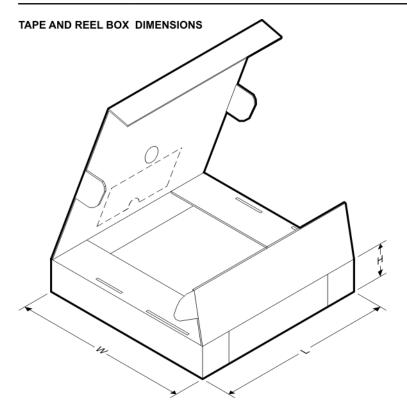
*All dimensions are nominal												
Device	Package Type	Package Drawing		SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	· /	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
SN74LV244AMDWREP	SOIC	DW	20	2000	330.0	24.4	10.8	13.3	2.7	12.0	24.0	Q1

TEXAS INSTRUMENTS

www.ti.com

# PACKAGE MATERIALS INFORMATION

4-Mar-2013



\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
SN74LV244AMDWREP	SOIC	DW	20	2000	367.0	367.0	45.0

DW (R-PDSO-G20)

PLASTIC SMALL OUTLINE



NOTES: A. All linear dimensions are in inches (millimeters). Dimensioning and tolerancing per ASME Y14.5M-1994.

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.



# LAND PATTERN DATA



NOTES:

- A. All linear dimensions are in millimeters.
- B. This drawing is subject to change without notice.
- C. Refer to IPC7351 for alternate board design.
- 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. Refer to IPC-7525
- E. Customers should contact their board fabrication site for solder mask tolerances between and around signal pads.



#### **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	www.ti.com/audio	Automotive and Transportation	www.ti.com/automotive			
Amplifiers	amplifier.ti.com	Communications and Telecom	www.ti.com/communications			
Data Converters	dataconverter.ti.com	Computers and Peripherals	www.ti.com/computers			
DLP® Products	www.dlp.com	Consumer Electronics	www.ti.com/consumer-apps			
DSP	dsp.ti.com	Energy and Lighting	www.ti.com/energy			
Clocks and Timers	www.ti.com/clocks	Industrial	www.ti.com/industrial			
Interface	interface.ti.com	Medical	www.ti.com/medical			
Logic	logic.ti.com	Security	www.ti.com/security			
Power Mgmt	power.ti.com	Space, Avionics and Defense	www.ti.com/space-avionics-defense			
Microcontrollers	microcontroller.ti.com	Video and Imaging	www.ti.com/video			
RFID	www.ti-rfid.com					
OMAP Applications Processors	www.ti.com/omap	TI E2E Community	e2e.ti.com			
Wireless Connectivity	www.ti.com/wirelessconnectivity					

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265 Copyright © 2014, Texas Instruments Incorporated



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный) **Факс:** 8 (812) 320-02-42 **Электронная почта:** <u>org@eplast1.ru</u> **Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.