



FEATURES

- Member of the Texas Instruments Widebus™
 Family
- EPIC™ (Enhanced-Performance Implanted CMOS) Submicron Process
- Output Port Has Equivalent 26- Ω Series Resistors, So No External Resistors Are Required
- Designed to Comply With JEDEC 168-Pin and 200-Pin SDRAM Buffered DIMM Specification
- ESD Protection Exceeds 2000 V Per MIL-STD-883, Method 3015; Exceeds 200 V Using Machine Model (C = 200 pF, R = 0)
- Latch-Up Performance Exceeds 250 mA Per JESD 17
- Bus Hold on Data Inputs Eliminates the Need for External Pullup/Pulldown Resistors
- Package Options Include Plastic Shrink Small-Outline (DL), Thin Shrink Small-Outline (DGG), and Thin Very Small-Outline (DGV) Packages

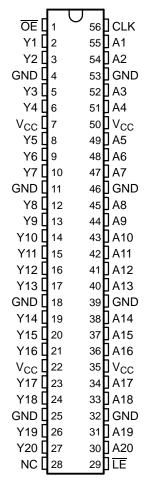
NOTE: For tape-and-reel order entry, the DGGR package is abbreviated to GR, and the DGVR package is abbreviated

DESCRIPTION

This 20-bit universal bus driver is designed for 1.65-V to 3.6-V $V_{\rm CC}$ operation.

Data flow from A to Y is controlled by the output-enable (\overline{OE}) input. The device operates in the transparent mode when the latch-enable (\overline{LE}) input is low. When \overline{LE} is high, the A data is latched if the clock (CLK) input is held at a high or low logic level. If \overline{LE} is high, the A data is stored in the latch/flip-flop on the low-to-high transition of CLK. When \overline{OE} is high, the outputs are in the high-impedance state.

DGG, DGV, OR DL PACKAGE (TOP VIEW)



NC - No internal connection

The output port includes equivalent $26-\Omega$ series resistors to reduce overshoot and undershoot.

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

Active bus-hold circuitry is provided to hold unused or floating data inputs at a valid logic level.

The SN74ALVCH162836 is characterized for operation from -40°C to 85°C.



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.

Widebus, EPIC are trademarks of Texas Instruments.

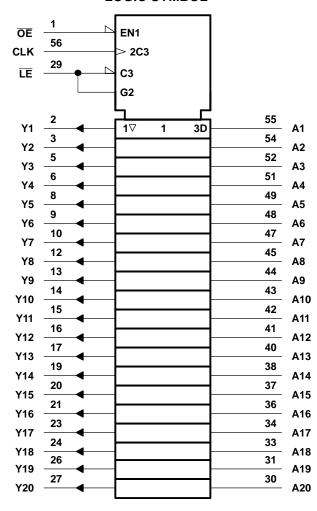


FUNCTION TABLE

	INF	PUTS		ОИТРИТ
ŌĒ	ΙE	CLK	Α	Y
Н	Х	X	Х	Z
L	L	X	L	L
L	L	X	Н	Н
L	Н	\uparrow	L	L
L	Н	\uparrow	Н	Н
L	Н	L or H	Χ	Y ₀ ⁽¹⁾

 Output level before the indicated steady-state input conditions were established

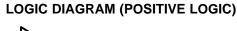
LOGIC SYMBOL(1)

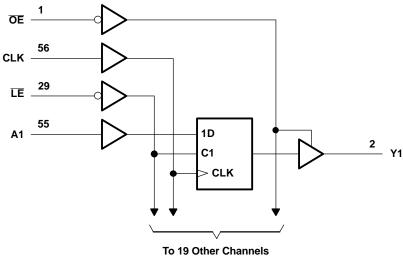


(1) This symbol is in accordance with ANSI/IEEE Std 91-1984 and IEC Publication 617-12.









ABSOLUTE MAXIMUM RATINGS(1)

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

			MIN	MAX	UNIT
V _{CC}	Supply voltage range		-0.5	4.6	V
VI	Input voltage range ⁽²⁾		-0.5	4.6	V
Vo	Output-voltage range ⁽²⁾⁽³⁾		-0.5	V _{CC} + 0.5	V
I _{IK}	Input clamp current	V _I < 0		-50	mA
I _{OK}	Output clamp current	V _O < 0		-50	mA
Io	Continuous output current			±50	mA
	Continuous current through each V _{CC} or	r GND		±100	mA
		DGG package		81	
θ_{JA}	Package thermal impedance (4)	DGV package		86	°C/W
		DL package		74	
T _{stg}	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 negative-voltage and output voltage ratings may be exceeded if the input and output current ratings are observed.

⁽³⁾ This value is limited to 4.6 V maximum.

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

SN74ALVCH162836 20-BIT UNIVERSAL BUS DRIVER WITH 3-STATE OUTPUTS





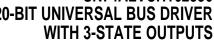
RECOMMENDED OPERATING CONDITIONS(1)

			MIN	MAX	UNIT
V _{CC}	Supply voltage		1.65	3.6	V
		V _{CC} = 1.65 V to 1.95 V	$0.65 \times V_{CC}$		
V_{IH}	High-level input voltage	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	1.7		V
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$	2		
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$		$0.35 \times V_{CC}$	
V_{IL}	Low-level input voltage	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$		0.7	V
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$		0.8	
V _I	Input voltage		0	V _{CC}	V
Vo	Output voltage		0	V _{CC}	V
		V _{CC} = 1.65 V		-2	
	High level output ourrent	V _{CC} = 2.3 V		-6	mA
I _{OH}	High-level output current	$V_{CC} = 2.7 \text{ V}$		-8	mA
		V _{CC} = 3 V		-12	
		V _{CC} = 1.65 V		2	
	Low lovel output ourrent	V _{CC} = 2.3 V		6	m Λ
I _{OL}	Low-level output current	V _{CC} = 2.7 V		8	mA
		V _{CC} = 3 V		12	
Δt/Δν	Input transition rise or fall rate			10	ns/V
T _A	Operating free-air temperature		-40	85	°C

⁽¹⁾ All unused control inputs of the device must be held at V_{CC} or GND to ensure proper device operation. Refer to the TI application report, *Implications of Slow or Floating CMOS Inputs*, literature number SCBA004.

SCES122F-JULY 1997-REVISED OCTOBER 2004







ELECTRICAL CHARACTERISTICS

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

F	PARAMETER	TEST CO	ONDITIONS	V _{cc}	MIN	TYP ⁽¹⁾ MA	X UNIT
		I _{OH} = -100 μA		1.65 V to 3.6 V	V _{CC} - 0.2		
		$I_{OH} = -2 \text{ mA}$		1.65 V	1.2		
		$I_{OH} = -4 \text{ mA}$		2.3 V	1.9		
V_{OH}		Ι		2.3 V	1.7		V
		$I_{OH} = -6 \text{ mA}$		3 V	2.4		
		$I_{OH} = -8 \text{ mA}$		2.7 V	2		
		I _{OH} = -12 mA		3 V	2		
		$I_{OL} = 100 \mu A$		1.65 V to 3.6 V		C	.2
		I _{OL} = 2 mA		1.65 V		0.4	15
		I _{OL} = 4 mA		2.3 V		C	.4
V_{OL}		I - 6 mΛ		2.3 V		0.	55 V
		$I_{OL} = 6 \text{ mA}$		3 V		0.	55
		$I_{OL} = 8 \text{ mA}$		2.7 V		C	.6
		I _{OL} = 12 mA		3 V		C	.8
I		$V_I = V_{CC}$ or GND		3.6 V		:	±5 μΑ
		V _I = 0.58 V		1.65 V	25		
		V _I = 1.07 V		1.65 V	-25		
		$V_1 = 0.7 V$		2.3 V	45		
I _{I(hold)}		V _I = 1.7 V		2.3 V	-45		μΑ
		$V_{I} = 0.8 V$		3 V	75		
		V _I = 2 V		3 V	-75		
		$V_I = 0$ to 3.6 $V^{(2)}$		3.6 V		±50	00
I_{OZ}		$V_O = V_{CC}$ or GND		3.6 V		±	0 μΑ
I _{CC}		$V_I = V_{CC}$ or GND,	I _O = 0	3.6 V			-0 μΑ
ΔI_{CC}		One input at V _{CC} - 0.6 V,	Other inputs at V _{CC} or GND	3 V to 3.6 V		7:	60 μΑ
	Control inputs	V _I = V _{CC} or GND		3.3 V		5.5	n.F.
Ci	Data inputs	AI = ACC OL GIAD		3.3 V		6	pF
Co	Outputs	$V_O = V_{CC}$ or GND		3.3 V		8	pF

⁽¹⁾ All typical values are at $V_{CC} = 3.3 \text{ V}$, $T_A = 25^{\circ}\text{C}$. (2) This is the bus-hold maximum dynamic current. It is the minimum overdrive current required to switch the input from one state to

SCES122F-JULY 1997-REVISED OCTOBER 2004



TIMING REQUIREMENTS

over recommended operating free-air temperature range (unless otherwise noted) (see Figure 1 through Figure 3)

				V _{CC} =	1.8 V	V _{CC} = ± 0.	2.5 V 2 V	V _{CC} =	2.7 V	V _{CC} = 3 ± 0. 3	3.3 V 5 V	UNIT
				MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
f _{clock}	Clock frequency				(1)		150		150		150	MHz
	t _w Pulse duration			(1)		3.3		3.3		3.3		20
ı _w				(1)		3.3		3.3		3.3		ns
		Data before CLK↑		(1)		1.4		1.7		1.5		
t _{su}	Setup time	Data before LE ↑	CLK high	(1)		1.2		1.6		1.3		ns
			CLK low	(1)		1.4		1.5		1.2		
	Llold time	Data after CLK↑		(1)		0.9		0.9		0.9		20
t _h	_n Hold time	Data after LE ↑	CLK high or low	(1)		1.1		1.1		1.1		ns

⁽¹⁾ This information was not available at the time of publication.

SWITCHING CHARACTERISTICS

over recommended operating free-air temperature range (unless otherwise noted) (see Figure 1 through Figure 3)

PARAMETER	FROM	TO (OUTPUT)	V _{CC} = '	V _{CC} = 1.8 V		V_{CC} = 2.5 V \pm 0.2 V		2.7 V	V_{CC} = 3.3 V \pm 0.3 V		UNIT
	(INPUT)	(OUTPUT)	MIN	TYP	MIN	MAX	MIN	MAX	MIN	MAX	
f _{max}			(1)		150		150		150		MHz
	Α			(1)	1	4.4		4.6	1.2	4	
t _{pd}	<u>LE</u>	Υ		(1)	1.1	5.8		6.1	1.4	5.1	ns
	CLK			(1)	1	5.2		5.5	1.1	5	
t _{en}	ŌĒ	Y		(1)	1.1	6.4		6.5	1.2	5.5	ns
t _{dis}	ŌĒ	Y		(1)	1	4.7		5.2	1.7	5.1	ns

⁽¹⁾ This information was not available at the time of publication.

OPERATING CHARACTERISTICS

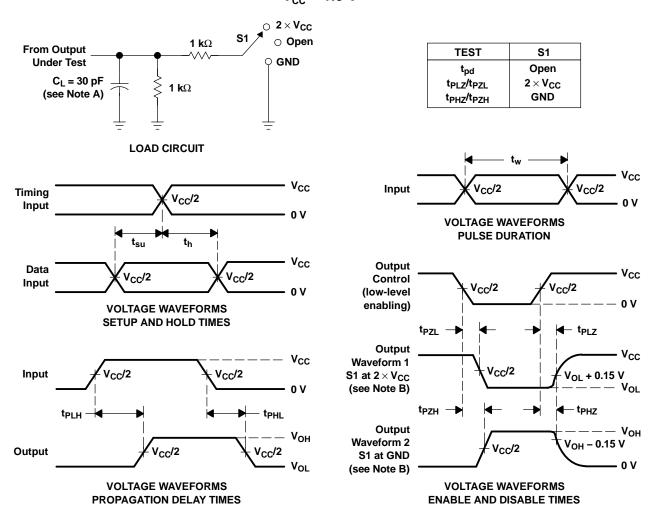
 $T_A = 25^{\circ}C$

	PARAMETER		TEST	CONDITIONS	V _{CC} = 1.8 V	V _{CC} = 2.5 V	V _{CC} = 3.3 V	UNIT
_	Power dissipation	Outputs enabled	0 0	f 40 MH-	(1)	31.5	36	
C_{pd}	capacitance	Outputs disabled	$C_L = 0$,	f = 10 MHz	(1)	8	10.5	p⊦

⁽¹⁾ This information was not available at the time of publication.



PARAMETER MEASUREMENT INFORMATION $V_{cc} = 1.8 \text{ V}$



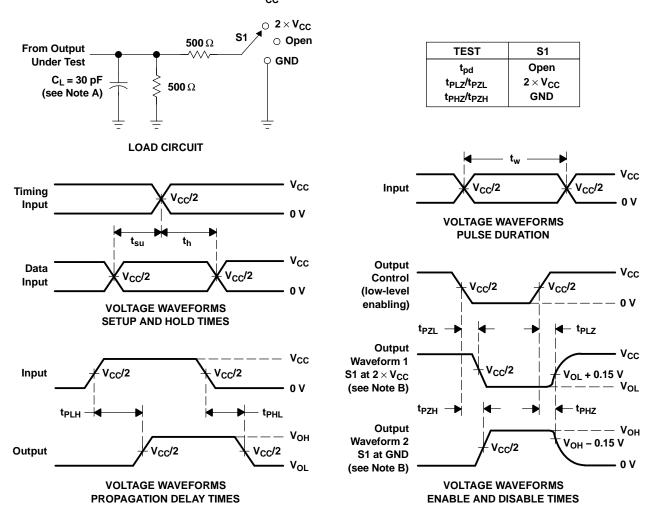
NOTES: A. C₁ includes probe and jig capacitance.

- 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 10 MHz, Z $_{O}$ = 50 Ω , t_{f} \leq 2 ns, t_{f} \leq 2 ns.
- D. The outputs are measured one at a time, with one transition per measurement.
- E. t_{Pl 7} and t_{PH7} are the same as t_{dis}.
- F. t_{PZL} and t_{PZH} are the same as t_{en}.
- G. t_{PLH} and t_{PHL} are the same as t_{pd}.

Figure 1. Load Circuit and Voltage Waveforms



PARAMETER MEASUREMENT INFORMATION V_{CC} = 2.5 V \pm 0.2 V



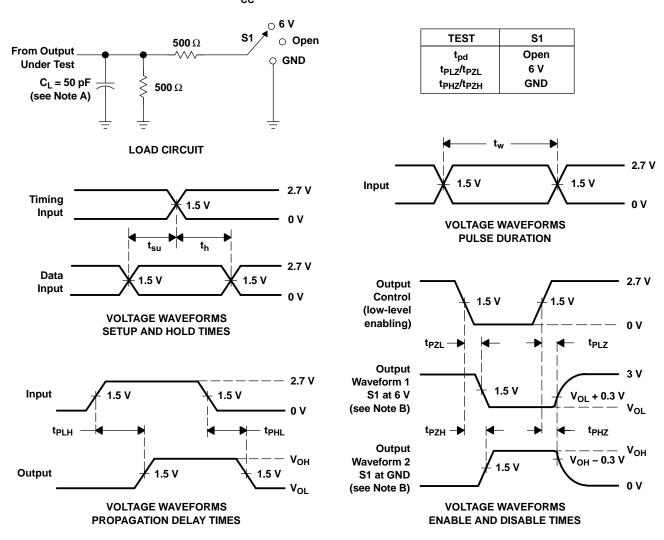
NOTES: A. C_L includes probe and jig capacitance.

- B. Waveform 1 is for an output with internal conditions such that the output is low, except when disabled by the output control. Waveform 2 is for an output with internal conditions such that the output is high, except when disabled by the output control.
- C. All input pulses are supplied by generators having the following characteristics: PRR \leq 10 MHz, Z_O = 50 Ω , $t_f \leq$ 2 ns, $t_f \leq$ 2 ns.
- D. The outputs are measured one at a time, with one 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_{PLH} and t_{PHL} are the same as t_{pd} .

Figure 2. Load Circuit and Voltage Waveforms



PARAMETER MEASUREMENT INFORMATION V_{CC} = 2.7 V AND 3.3 V \pm 0.3 V



NOTES: A. C_L includes probe and jig capacitance.

- B. Waveform 1 is for an output with internal conditions such that the output is low, except when disabled by the output control. Waveform 2 is for an output with internal conditions such that the output is high, except when disabled by the output control.
- C. All input pulses are supplied by generators having the following characteristics: PRR \leq 10 MHz, $Z_{O} = 50~\Omega$, $t_{f} \leq$ 2.5 ns, $t_{f} \leq$ 2.5 ns.
- D. The outputs are measured one at a time, with one 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_{PLH} and t_{PHL} are the same as t_{pd}.

Figure 3. Load Circuit and Voltage Waveforms

PACKAGE OPTION ADDENDUM

www.ti.com 11-Nov-2009

PACKAGING INFORMATION

Orderable Device	Status (1)	Package Type	Package Drawing	Pins	Package Qty	e Eco Plan ⁽²⁾	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
74ALVCH162836DLG4	ACTIVE	SSOP	DL	56	20	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
74ALVCH162836GRE4	ACTIVE	TSSOP	DGG	56	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
74ALVCH162836GRG4	ACTIVE	TSSOP	DGG	56	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
74ALVCH162836VRE4	ACTIVE	TVSOP	DGV	56	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
74ALVCH162836VRG4	ACTIVE	TVSOP	DGV	56	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALVCH162836DGGR	OBSOLETE	TSSOP	DGG	56		TBD	Call TI	Call TI
SN74ALVCH162836DGVR	OBSOLETE	TVSOP	DGV	56		TBD	Call TI	Call TI
SN74ALVCH162836DL	ACTIVE	SSOP	DL	56	20	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALVCH162836GR	ACTIVE	TSSOP	DGG	56	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALVCH162836VR	ACTIVE	TVSOP	DGV	56	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM

⁽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.

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.

PACKAGE MATERIALS INFORMATION

www.ti.com 29-Jul-2009

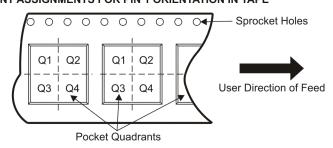
TAPE AND REEL INFORMATION





	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

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
SN74ALVCH162836GR	TSSOP	DGG	56	2000	330.0	24.4	8.6	15.6	1.8	12.0	24.0	Q1
SN74ALVCH162836VR	TVSOP	DGV	56	2000	330.0	24.4	6.8	11.7	1.6	12.0	24.0	Q1

www.ti.com 29-Jul-2009



*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
SN74ALVCH162836GR	TSSOP	DGG	56	2000	346.0	346.0	41.0
SN74ALVCH162836VR	TVSOP	DGV	56	2000	346.0	346.0	41.0

DGG (R-PDSO-G**)

PLASTIC SMALL-OUTLINE PACKAGE

48 PINS SHOWN



NOTES: A. All linear dimensions are in millimeters.

B. This drawing is subject to change without notice.

C. Body dimensions do not include mold protrusion not to exceed 0,15.

D. Falls within JEDEC MO-153

DL (R-PDSO-G**)

48 PINS SHOWN

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).

D. Falls within JEDEC MO-118

DGV (R-PDSO-G**)

24 PINS SHOWN

PLASTIC SMALL-OUTLINE



NOTES: A. All linear dimensions are in millimeters.

B. This drawing is subject to change without notice.

C. Body dimensions do not include mold flash or protrusion, not to exceed 0,15 per side.

D. Falls within JEDEC: 24/48 Pins – MO-153 14/16/20/56 Pins – MO-194

IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve the right to make corrections, modifications, enhancements, improvements, and other changes to its products and services at any time and to discontinue any product or service without notice. Customers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All products are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment.

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

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

TI does not warrant or represent that any license, either express or implied, is granted under any TI patent right, copyright, mask work right, or other TI intellectual property right relating to any combination, machine, or process in which TI products or services are used. Information published by TI regarding third-party products or services does not constitute a license from TI 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 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. Reproduction of this information with alteration is an unfair and deceptive business practice. TI is not responsible or liable for such altered documentation. Information of third parties may be subject to additional restrictions

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

TI products are not authorized for use in safety-critical applications (such as life support) where a failure of the TI product would reasonably be expected to cause severe personal injury or death, unless officers of the parties have executed an agreement specifically governing such use. Buyers represent that they have all necessary expertise in the safety and regulatory ramifications of their applications, and acknowledge and agree that they are solely responsible for all legal, regulatory and safety-related requirements concerning their products and any use of TI products in such safety-critical applications, notwithstanding any applications-related information or support that may be provided by TI. Further, Buyers must fully indemnify TI and its representatives against any damages arising out of the use of TI products in such safety-critical applications.

TI products are neither designed nor intended for use in military/aerospace applications or environments unless the TI products are specifically designated by TI as military-grade or "enhanced plastic." Only products designated by TI as military-grade meet military specifications. Buyers acknowledge and agree that any such use of TI products which TI has not designated as military-grade is solely at the Buyer's risk, and that they are solely responsible for compliance with all legal and regulatory requirements in connection with such use.

TI products are neither designed nor intended for use in automotive applications or environments unless the specific TI products are designated by TI as compliant with ISO/TS 16949 requirements. Buyers acknowledge and agree that, if they use any non-designated products in automotive applications, TI will not be responsible for any failure to meet such requirements.

Following are URLs where you can obtain information on other Texas Instruments products and application solutions:

Applications Products Amplifiers amplifier.ti.com Audio www.ti.com/audio Data Converters Automotive www.ti.com/automotive dataconverter.ti.com DLP® Products Broadband www.dlp.com www.ti.com/broadband DSP Digital Control dsp.ti.com www.ti.com/digitalcontrol Clocks and Timers www.ti.com/clocks Medical www.ti.com/medical Military Interface www.ti.com/military interface.ti.com Optical Networking Logic logic.ti.com www.ti.com/opticalnetwork Power Mgmt power.ti.com Security www.ti.com/security Telephony Microcontrollers microcontroller.ti.com www.ti.com/telephony Video & Imaging www.ti-rfid.com www.ti.com/video RF/IF and ZigBee® Solutions www.ti.com/lprf Wireless www.ti.com/wireless

> Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265 Copyright © 2009, 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.