8 T V<sub>CC+</sub>

7 DY

5 🕇 RA

6 RTC

D OR P PACKAGE TOP VIEW

 $V_{CC}$ 

DA [

RY **∏** 

GND [

3

SLLS017C - JULY 1986 - REVISED MAY 1995

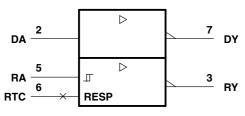
- Meets or Exceeds the Requirements of ANSI EIA/TIA-232-E and ITU Recommendation V.28
- 10-mA Current Limited Output
- Wide Range of Supply Voltage
   V<sub>CC</sub> = 4.5 V to 15 V
- Low Power . . . 130 mW
- Built-In 5-V Regulator
- Response Control Provides: Input Threshold Shifting Input Noise Filtering
- Power-Off Output Resistance . . . 300  $\Omega$  Typ
- Driver Input TTL Compatible

#### description

The SN75155 monolithic line driver and receiver is designed to satisfy the requirements of the standard interface between data terminal equipment and data communication equipment as defined by ANSI EIA/TIA-232-E. A response control input is provided for the receiver. A resistor or a resistor and a bias voltage can be connected between the response control input and ground to provide noise filtering. The driver used is similar to the SN75188. The receiver used is similar to the SN75189A.

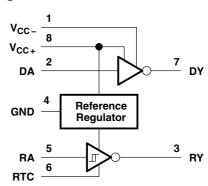
The SN75155 is characterized for operation from 0°C to 70°C.

#### logic symbol†



<sup>†</sup> This symbol is in accordance with ANSI/IEEE Std 91-1984 and IEC Publication 617-12

#### logic diagram

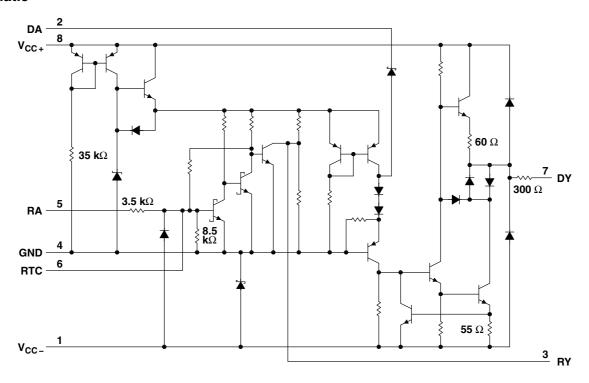




Please be aware that an important notice concerning availability, standard warranty, and use in critical applications of Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.



#### schematic



#### absolute maximum ratings over operating free-air temperature range (unless otherwise noted)†

Supply voltage, V <sub>CC+</sub> (see Note 1)	15 V
Supply voltage, V <sub>CC</sub> (see Note 1)	
Input voltage range, V <sub>I</sub> : Driver	–15 V to 15 V
Receiver	–30 V to 30 V
Output voltage range (driver), V <sub>O</sub>	–15 V to 15 V
Continuous total power dissipation	See Dissipation Rating Table
Operating free-air temperature range, T <sub>A</sub>	0°C to 70°C
Storage temperature range, T <sub>sta</sub>	–65°C to 150°C
Lead temperature 1,6 mm (1/16 inch) from case for 10 seconds	260°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: All voltage values are with respect to network ground terminal.

#### **DISSIPATION RATING TABLE**

PACKAGE	T <sub>A</sub> ≤ 25°C POWER RATING					
D	725 mW	5.8 mW/°C	464 mW			
Р	1000 mW	8.0 mW/°C	640 mW			



#### recommended operating conditions

	MIN	NOM	MAX	UNIT
Supply voltage, V <sub>CC+</sub>	4.5	12	15	V
Supply voltage, V <sub>CC</sub> _	-4.5	-12	-15	V
Output voltage, driver, V <sub>O(D)</sub>			±15	V
Input voltage, receiver, V <sub>I(R)</sub>	-25		25	V
High-level input voltage, driver, V <sub>IH</sub>	2			٧
Low-level input voltage, driver, V <sub>IL</sub>			8.0	V
Response control current			±5.5	mA
Output current, receiver, I <sub>O(R)</sub>			24	mA
Operating free-air temperature, T <sub>A</sub>	0		70	°C

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

#### total device

	PARAMETER		TEST CONDITIONS	S	MIN	TYP <sup>†</sup>	MAX	UNIT
		$V_{CC+} = 5 V$ ,	V <sub>CC</sub> = -5 V	$V_{I(D)} = 2 V,$		6.3	8.1	
I <sub>CCH+</sub>	High-level supply current	$V_{CC+} = 9 V$ ,	$V_{CC} = -9 \text{ V}$	$V_{I(R)} = 2.3 \text{ V},$		9.1	11.9	mA
		$V_{CC+} = 12 \text{ V},$	V <sub>CC</sub> = -12 V	Output open		10.4	14	
		$V_{CC+} = 5 \text{ V},$	V <sub>CC</sub> = -5 V	$V_{I(D)} = 0.8 \text{ V},$		2.5	3.4	
I <sub>CCL+</sub>	Low-level supply current	$V_{CC+} = 9 V$ ,	$V_{CC} = -9 \text{ V}$	$V_{I(R)} = 0.6 \text{ V},$		3.7	5.1	mA
		$V_{CC+} = 12V$ ,	$V_{CC-} = -12 \text{ V}$	Output open		4.1	5.6	
	0	$V_{CC+} = 5 V$ ,	V <sub>CC</sub> – = 0	$V_{I(R)} = 2.3 \text{ V},$		4.8	6.4	4
I <sub>CC+</sub>	Supply current	$V_{CC+} = 9 V$ ,	V <sub>CC</sub> _ = 0	$V_{I(D)} = 0$		6.7	9.1	mA
		$V_{CC+} = 5 V$ ,	$V_{CC} = -5 \text{ V}$	$V_{I(D)} = 2 V,$		-2.4	-3.1	
I <sub>CCH</sub> -	High-level supply current	$V_{CC+} = 9 V$ ,	$V_{CC} = -9 \text{ V}$	$V_{I(R)} = 2.3 \text{ V}$		-3.9	-4.9	mA
		$V_{CC+} = 12 \text{ V},$	V <sub>CC</sub> = -12 V	Output open		-4.8	-6.1	
		$V_{CC+} = 5 \text{ V},$	V <sub>CC</sub> = -5 V	$V_{I(D)} = 0.8 \text{ V},$		-0.2	-0.35	
I <sub>CCL</sub> _	Low-level supply current	$V_{CC+} = 9 V$ ,	V <sub>CC</sub> = -9 V	$V_{I(R)} = 0.6 \text{ V},$		-0.25	-0.4	mA
		$V_{CC+} = 12 \text{ V},$	V <sub>CC</sub> = -12 V	Output open		-0.27	-0.45	1

<sup>&</sup>lt;sup>†</sup> All typical values are at  $T_A = 25$ °C.

SLLS017C - JULY 1986 - REVISED MAY 1995

#### electrical characteristics over recommended operating free-air temperature range, V<sub>CC+</sub> = 12 V, $V_{CC-} = -12 \text{ V (unless otherwise noted)}$

#### driver section

	PARAMETER		TES	T CONDITIONS		MIN	TYP†	MAX	UNIT
				$V_{CC+} = 5 V$ ,	$V_{CC} = -5 \text{ V}$	3.2	3.7		
$V_{OH}$	High-level output voltage	$V_{IL} = 0.8 V,$	$R_L = 3 \text{ k}\Omega$	$V_{CC+} = 9 V$ ,	$V_{CC-} = -9 V$	6.5	7.2		٧
				$V_{CC+} = 12 V$ ,	$V_{CC-} = -12 \text{ V}$	8.9	9.8		
				$V_{CC+} = 5 V$ ,	$V_{CC} = -5 \text{ V}$		-3.6	-3.2	
$V_{OL}$	Low-level output voltage (see Note 2)	V <sub>IH</sub> = 2 V,	$R_L = 3 \text{ k}\Omega$	$V_{CC+} = 9 V$ ,	$V_{CC} = -9 \text{ V}$		-7.1	-6.4	V
	(000 11010 2)			$V_{CC+} = 12 V$ ,	$V_{CC-} = -12 \text{ V}$		-9.7	-8.8	
I <sub>IH</sub>	High-level input current	$V_I = 7 V$						5	μΑ
I <sub>IL</sub>	Low-level input current	$V_I = 0$					-0.73	-1.2	mA
I <sub>OS(H)</sub>	High-level short-circuit output current	V <sub>I</sub> = 0.8 V,	V <sub>O</sub> = 0			-7	-12	-14.5	mA
I <sub>OS(L)</sub>	Low-level short-circuit output current	V <sub>I</sub> = 2 V,	V <sub>O</sub> = 0			6.5	11.5	15	mA
r <sub>O</sub>	Output resistance with power off	$V_O = -2 \text{ V to}$	o 2 V				300		Ω

#### receiver section (see Figure 1)

	PARAMETER		TEST CONDITION	ONS	MIN	TYP†	MAX	UNIT
V <sub>IT+</sub>	Positive-going input threshhold voltage				1.2	1.9	2.3	V
V <sub>IT</sub> _	Negative-going input threshhold voltage				0.6	0.95	1.2	V
V <sub>hys</sub>	Hystresis voltage (V <sub>IT+</sub> – V <sub>IT-</sub> )				0.6			V
		V <sub>I</sub> = 0.6 V,	$V_{CC+} = 5 V$ ,	$V_{CC-} = -5 \text{ V}$	3.7	4.1	4.5	
,	High-level output voltage	$I_{OH} = 10 \mu A$	$V_{CC+} = 12 \text{ V},$	$V_{CC-} = -12 \text{ V}$	4.4	4.7	5.2	.,
V <sub>O(H)</sub>		$V_1 = 0.6 V$	$V_{CC+} = 5 V$ ,	$V_{CC} = -5 \text{ V}$	3.1	3.4	3.8 V	V
		$I_{OH} = 0.4 \text{ mA}$	$V_{CC+} = 12 \text{ V},$	$V_{CC-} = -12 \text{ V}$	3.6	4	4.5	
$V_{O(L)}$	Low-level output voltage	$V_I = 2.3 V$ ,	$I_{OL} = 24 \text{ mA}$			0.2	0.3	V
	Little Land Count comment	V <sub>I</sub> = 2 5 V			3.6	6.7	10	mA
I <sub>IH</sub>	High-level input current	V <sub>I</sub> = 3 V			0.43	0.67	1	mA
	Laure laure l'innere de commande	$V_{I} = -25 \text{ V}$			-3.6	-6.7	-10	mA
I <sub>IL</sub>	Low-level input current	$V_{I} = -3 V$			-0.43	-0.67	-1	mA
Ios	Short-circuit output current	$V_1 = 0.6 V$				-2.8	-3.7	mA

<sup>&</sup>lt;sup>†</sup> All typical values are at  $T_A = 25$ °C.

NOTE 2: The algebraic limit system, in which the more positive (less negative) limit is designated as maximum, is used in this data sheet for logic voltage levels only (e.g., if –8.8 V is the maximum, the typical value is a more negative value).



switching characteristics over recommended operating free-air temperature range,  $V_{CC+}$  = 5 V,  $V_{CC-}$  = -5 V,  $C_L$  = 50 pF (unless otherwise noted)

#### driver section (see Figure 2)

	PARAMETER	TEST CONDITIONS	MIN	TYP†	MAX	UNIT
t <sub>PLH</sub>	Propagation delay time, low- to high level output	B alo		250	480	
t <sub>PHL</sub>	Propagation delay time, high- to low level output	$R_L = 3 \text{ k}\Omega$		80	150	ns
	Outrot diag time	$R_L = 3 \text{ k}\Omega$		67	180	ns
ι <sub>r</sub>	Output rise time	$R_L = 3 \text{ k}\Omega \text{ to } 7 \text{ k}\Omega, \qquad C_L = 2500 \text{ pF}$		2.4	3	μs
	Output fall time	$R_L = 3 \text{ k}\Omega$		48	160	ns
Ч	Output fair time	$R_L = 3 \text{ k}\Omega \text{ to } 7 \text{ k}\Omega, \qquad C_L = 2500 \text{ pF}$		1.9	3	μs

#### receiver section (see Figure 3)

	PARAMETER	TEST CONDITIONS	MIN	TYP†	MAX	UNIT
t <sub>PLH</sub>	Propagation delay time, low- to high level output	B 400 C		175	245	
t <sub>PHL</sub>	Propagation delay time, high- to low level output	$R_L = 400 \Omega$		37	100	ns
t <sub>r</sub>	Output rise time	$R_L = 400 \Omega$		255	360	ns
t <sub>f</sub>	Output fall time	$R_L = 400 \Omega$		23	50	ns

<sup>&</sup>lt;sup>†</sup> All typical values are at  $T_A = 25$ °C.

#### PARAMETER MEASUREMENT INFORMATION

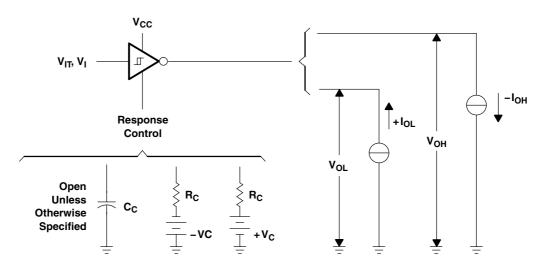
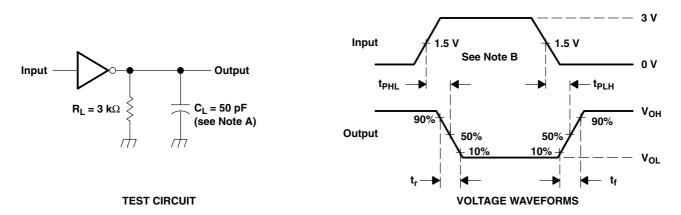


Figure 1. Receiver Section Test Circuit ( $V_{IT+}$ ,  $V_{IT-}$ ,  $V_{OH}$ ,  $V_{OL}$ )

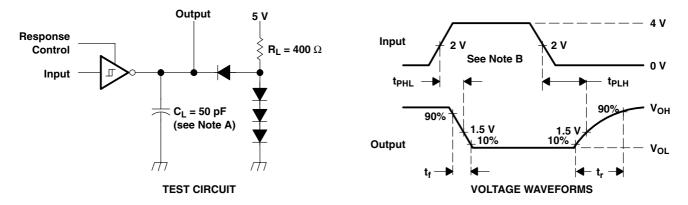
#### PARAMETER MEASUREMENT INFORMATION



NOTES: A. C<sub>L</sub> includes probe and jig capacitance.

B. The input waveform is supplied by a generator with the following characteristics:  $Z_O = 50 \ \Omega$ ,  $t_W = 1 \ \mu s$ ,  $t_f \le 10 \ ns$ .

Figure 2. Driver Section Switching Test Circuit and Voltage Waveforms

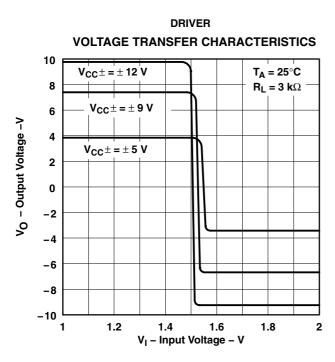


NOTES: A. C<sub>L</sub> includes probe and jig capacitance.

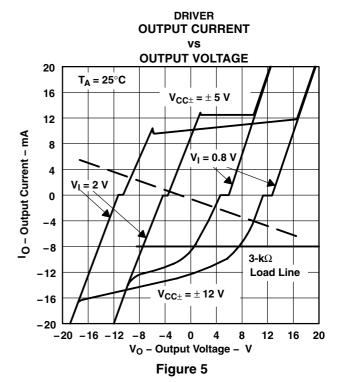
B. The input waveform is supplied by a generator with the following characteristics:  $Z_Q = 50 \Omega$ ,  $t_W = 1 \mu s$ ,  $t_f \le 10 ns$ ,  $t_f \le 10 ns$ .

Figure 3. Receiver Section Switching Test Circuit and Voltage Waveforms

#### TYPICAL CHARACTERISTICS







DRIVER
SHORT-CIRCUIT OUTPUT CURRENT

DRIVER
SLEW RATE
vs

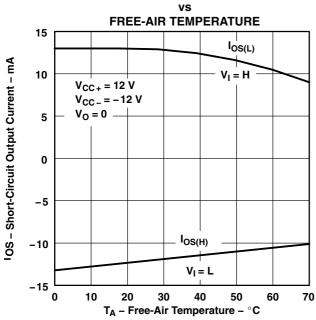


Figure 6

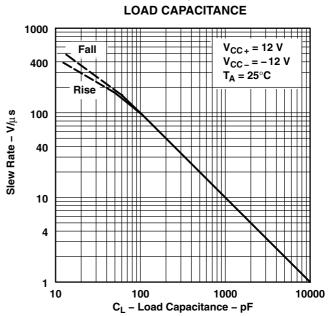
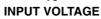


Figure 7

#### TYPICAL CHARACTERISTICS

### **RECEIVER OUTPUT VOLTAGE**



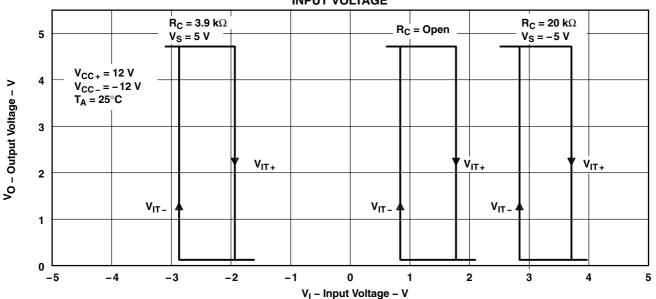


Figure 8

#### **RECEIVER OUTPUT VOLTAGE**

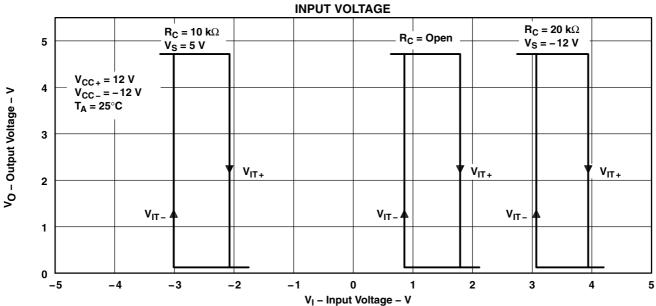
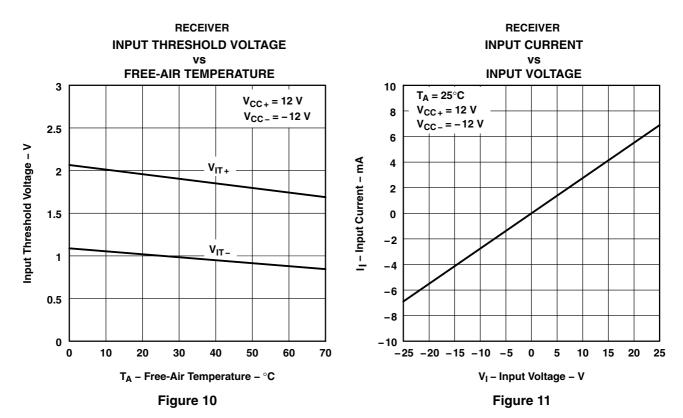
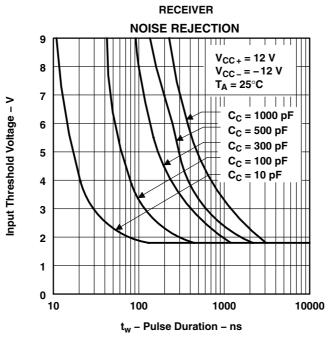


Figure 9



#### TYPICAL CHARACTERISTICS





TEXAS INSTRUMENTS
POST OFFICE BOX 655303 • DALLAS, TEXAS 75265

Figure 12





17-May-2014

#### PACKAGING INFORMATION

Orderable Device	Status	Package Type	Package Drawing	Pins	Package Qty		Lead/Ball Finish	MSL Peak Temp	Op Temp (°C)	Device Marking	Samples
SN75155D	ACTIVE	SOIC	Diawing	8	75	Green (RoHS	(6) CU NIPDAU	(3) Level-1-260C-UNLIM	0 to 70	(4/5) 75155	Samples
			_			& no Sb/Br)					Samples
SN75155DE4	ACTIVE	SOIC	D	8	75	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	75155	Samples
SN75155DG4	ACTIVE	SOIC	D	8	75	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	75155	Samples
SN75155DR	ACTIVE	SOIC	D	8	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	75155	Samples
SN75155DRE4	ACTIVE	SOIC	D	8	2500	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM	0 to 70	75155	Samples
SN75155DRG4	ACTIVE	SOIC	D	8		TBD	Call TI	Call TI	0 to 70		Samples
SN75155P	ACTIVE	PDIP	Р	8	50	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	0 to 70	SN75155P	Samples
SN75155PE4	ACTIVE	PDIP	Р	8	50	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type	0 to 70	SN75155P	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.

**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>(2)</sup> 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.

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



#### PACKAGE OPTION ADDENDUM

17-May-2014

- (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





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

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



#### \*All dimensions are nominal

Device		Package Drawing			Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
SN75155DR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1





#### \*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)	
SN75155DR	SOIC	D	8	2500	340.5	338.1	20.6	

# P (R-PDIP-T8)

#### PLASTIC DUAL-IN-LINE PACKAGE



NOTES:

- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- C. Falls within JEDEC MS-001 variation BA.



# D (R-PDSO-G8)

#### PLASTIC SMALL OUTLINE



NOTES:

- A. All linear dimensions are in inches (millimeters).
- B. This drawing is subject to change without notice.
- Body length does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed 0.006 (0,15) each side.
- Body width does not include interlead flash. Interlead flash shall not exceed 0.017 (0,43) each side.
- E. Reference JEDEC MS-012 variation AA.



# D (R-PDSO-G8)

# PLASTIC SMALL OUTLINE



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. Refer to IPC-7525 for other stencil recommendations.
- 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 Communications and Telecom Amplifiers amplifier.ti.com 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 **Energy and Lighting** dsp.ti.com 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.ti.com Logic 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 <a href="https://www.ti.com/omap">www.ti.com/omap</a> TI E2E Community <a href="https://example.com/omap">e2e.ti.com/omap</a>

Wireless Connectivity <u>www.ti.com/wirelessconnectivity</u>

# AMEYA360 Components Supply Platform

# **Authorized Distribution Brand:**

























#### Website:

Welcome to visit www.ameya360.com

#### Contact Us:

#### > Address:

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd Minhang District, Shanghai , China

#### > Sales:

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

#### Customer Service :

Email service@ameya360.com

# Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com