DATA SHEET

74LV125Quad buffer/line driver (3-State)

Product specification
Supersedes data of 1997 Feb 03
IC24 Data Handbook

1998 Apr 28







Quad buffer/line driver (3-State)

74LV125

FEATURES

- Wide operating voltage: 1.0 to 5.5 V
- Optimized for Low Voltage applications: 1.0 to 3.6 V
- Accepts TTL input levels between V_{CC} = 2.7 V and V_{CC} = 3.6 V
- Typical V_{OLP} (output ground bounce) < 0.8 V at V_{CC} = 3.3 V,
- Typical V_{OHV} (output V_{OH} undershoot) > 2 V at V_{CC} = 3.3 V, $T_{amb} = 25^{\circ}C.$
- Output capability: bus driver
- I_{CC} category: MSI

DESCRIPTION

The 74LV125 is a low-voltage Si-gate CMOS device and is pin and function compatible with 74HC/HCT125.

The 74LV125 consists of four non-inverting buffers/line drivers with 3-state outputs. The 3-state outputs (nY) are controlled by the output enable input ($n\overline{OE}$). A HIGH at $n\overline{OE}$ causes the outputs to assume a high impedance OFF-state.

QUICK REFERENCE DATA

GND = 0 V; $T_{amb} = 25^{\circ}C$; $t_r = t_f \le 2.5 \text{ ns}$

| SYMBOL | PARAMETER | CONDITIONS | TYPICAL | UNIT |
|------------------------------------|--|--|---------|------|
| t _{PHL} /t _{PLH} | Propagation delay nA to nY | $C_L = 15 \text{ pF};$ $V_{CC} = 3.3 \text{ V}$ | 9 | ns |
| C _I | Input capacitance | | 3.5 | pF |
| C_{PD} | Power dissipation capacitance per buffer | $V_{CC} = 3.3 \text{ V};$ $V_{I} = \text{GND to } V_{CC}^{1}$ | 22 | pF |

NOTE:

ORDERING INFORMATION

| PACKAGES | TEMPERATURE RANGE | OUTSIDE NORTH AMERICA | NORTH AMERICA | PKG. DWG. # |
|-----------------------------|-------------------|-----------------------|---------------|-------------|
| 14-Pin Plastic DIL | -40°C to +125°C | 74LV125 N | 74LV125 N | SOT27-1 |
| 14-Pin Plastic SO | -40°C to +125°C | 74LV125 D | 74LV125 D | SOT108-1 |
| 14-Pin Plastic SSOP Type II | -40°C to +125°C | 74LV125 DB | 74LV125 DB | SOT337-1 |
| 14-Pin Plastic TSSOP Type I | -40°C to +125°C | 74LV125 PW | 74LV125PW DH | SOT402-1 |

PIN DESCRIPTION

| PIN NUMBER | SYMBOL | NAME AND FUNCTION |
|---------------|-----------------------------------|---------------------------------|
| 1, 4, 10, 13 | 1 OE – 4 OE | Data enable inputs (active LOW) |
| 2, 5, 9, 12 | 1A – 4A | Data inputs |
| 3, 6, 8, 11 | 1Y – 4Y | Data Outputs |
| 7 | GND | Ground (0 V) |
| 14 | V _{CC} | Positive supply voltage |

FUNCTION TABLE

| INPU | JTS | OUTPUT |
|------|-----|--------|
| nOE | nY | |
| L | L | L |
| L | Н | Н |
| Н | X | Z |

NOTES:

H = HIGH voltage level

L = LOW voltage level

X = don't care

Z = high impedance OFF-state



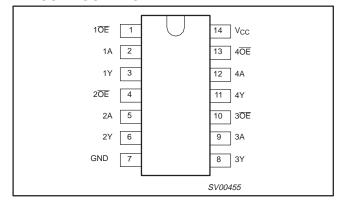
^{1.} C_{PD} is used to determine the dynamic power dissipation (P_D in μW) $P_D = C_{PD} \times V_{CC}^2 \times f_i + \sum (C_L \times V_{CC}^2 \times f_o)$ where: $\begin{aligned} &f_i = \text{input frequency in MHz; C}_L = \text{output load capacitance in pF;} \\ &f_o = \text{output frequency in MHz; V}_{CC} = \text{supply voltage in V;} \end{aligned}$

 $[\]sum (C_L \times V_{CC}^2 \times f_0) = \text{sum of the outputs.}$

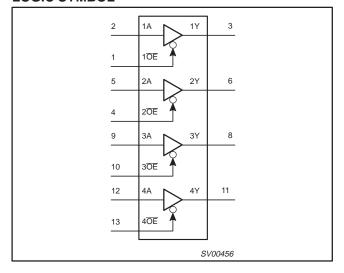
Quad buffer/line driver (3-State)

74LV125

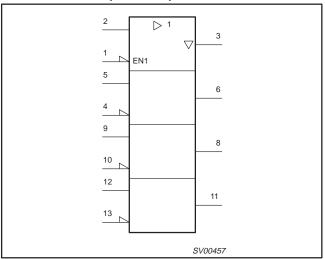
PIN CONFIGURATION



LOGIC SYMBOL



LOGIC SYMBOL (IEEE/IEC)



RECOMMENDED OPERATING CONDITIONS

| 'LOO!!!!! | LINDED OF ENAPING CONDITIONS | | | | | |
|---------------------------------|---|--|------------------|------------------|-------------------------|------|
| SYMBOL | PARAMETER | CONDITIONS | MIN | TYP | MAX | UNIT |
| V _{CC} | DC supply voltage | See Note 1 | 1.0 | 3.3 | 5.5 | V |
| VI | Input voltage | | 0 | - | V _{CC} | V |
| Vo | Output voltage | | 0 | - | V _{CC} | V |
| T _{amb} | Operating ambient temperature range in free air | See DC and AC characteristics | -40 -40 | | +85 +125 | °C |
| t _r , t _f | Input rise and fall times | $V_{CC} = 1.0V \text{ to } 2.0V$ $V_{CC} = 2.0V \text{ to } 2.7V$ $V_{CC} = 2.7V \text{ to } 3.6V$ $V_{CC} = 3.6V \text{ to } 5.5V$ | - - - - | - - - - | 500 200 100 50 | ns/V |

NOTE:

1. The LV is guaranteed to function down to V_{CC} = 1.0V (input levels GND or V_{CC}); DC characteristics are guaranteed from V_{CC} = 1.2V to V_{CC} = 5.5V.



Quad buffer/line driver (3-State)

74LV125

ABSOLUTE MAXIMUM RATINGS^{1, 2}

In accordance with the Absolute Maximum Rating System (IEC 134). Voltages are referenced to GND (ground = 0 V).

| SYMBOL | PARAMETER | CONDITIONS | RATING | UNIT |
|---|---|---|-------------------|------|
| V _{CC} | DC supply voltage | | -0.5 to +7.0 | V |
| ± I _{IK} | DC input diode current | $V_I < -0.5 \text{ or } V_I > V_{CC} + 0.5V$ | 20 | mA |
| ± I _{OK} | DC output diode current | $V_{O} < -0.5 \text{ or } V_{O} > V_{CC} + 0.5V$ | 50 | mA |
| ±I _O | DC output source or sink current – bus driver outputs | $-0.5V < V_O < V_{CC} + 0.5V$ | 35 | mA |
| ± I _{GND} , ± I _{CC} | DC V _{CC} or GND current for types with – bus driver outputs | | 70 | mA |
| T _{stg} | Storage temperature range | | -65 to +150 | °C |
| P _{TOT} | Power dissipation per package – plastic DIL – plastic mini-pack (SO) – plastic shrink mini-pack (SSOP and TSSOP) | for temperature range: -40 to +125°C above +70°C derate linearly with 12 mW/K above +70°C derate linearly with 8 mW/K above +60°C derate linearly with 5.5 mW/K | 750 500 400 | mW |

NOTES

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

DC ELECTRICAL CHARACTERISTICS

Over recommended operating conditions, voltages are referenced to GND (ground = 0 V)

| | | | | | LIMITS | | | |
|-----------------|--|---|-----------------------|------------------|-----------------------|-----------------------|-----------------------|----------------|
| SYMBOL | PARAMETER | TEST CONDITIONS | -40 | °C to +8 | 5°C | -40°C to | +125°C | UNIT |
| | | | MIN | TYP ¹ | MAX | MIN | MAX | |
| | | V _{CC} = 1.2 V | 0.9 | | | 0.9 | | |
| V | HIGH level Input | V _{CC} = 2.0 V | 1.4 | | | 1.4 | | |
| V_{IH} | voltage | V _{CC} = 2.7 to 3.6 V | 2.0 | | | 2.0 | |] |
| | | V _{CC} = 4.5 to 5.5 V | 0.7 * V _{CC} | | | 0.7 * V _{CC} | |] |
| | | V _{CC} = 1.2 V | | | 0.3 | | 0.3 | |
| M | LOW level Input | V _{CC} = 2.0 V | | | 0.6 | | 0.6 | \ _\ |
| V_{IL} | voltage | V _{CC} = 2.7 to 3.6 V | | | 0.8 | | 0.8 | l ^v |
| | | V _{CC} = 4.5 to 5.5 | | | 0.3 * V _{CC} | | 0.3 * V _{CC} | 1 |
| | | $V_{CC} = 1.2 \text{ V}; V_I = V_{IH} \text{ or } V_{IL}; -I_O = 100 \mu\text{A}$ | | 1.2 | | | | |
| | V _{OH} HIGH level output voltage; all outputs | $V_{CC} = 2.0 \text{ V}; V_I = V_{IH} \text{ or } V_{IL}; -I_O = 100 \mu\text{A}$ | 1.8 | 2.0 | | 1.8 | | 1 |
| V_{OH} | | $V_{CC} = 2.7 \text{ V}; V_I = V_{IH} \text{ or } V_{IL;} -I_O = 100 \mu A$ | 2.5 | 2.7 | | 2.5 | | ٧ |
| | Tomago, am outputo | $V_{CC} = 3.0 \text{ V}; V_I = V_{IH} \text{ or } V_{IL;} -I_O = 100 \mu A$ | 2.8 | 3.0 | | 2.8 | | 1 |
| | | $V_{CC} = 4.5 \text{ V}; V_I = V_{IH} \text{ or } V_{IL;} -I_O = 100 \mu A$ | 4.3 | 4.5 | | 4.3 | | |
| V | HIGH level output voltage; BUS driver | $V_{CC} = 3.0 \text{ V}; V_I = V_{IH} \text{ or } V_{IL;} -I_O = 8\text{mA}$ | 2.40 | 2.82 | | 2.20 | | V |
| V _{OH} | outputs | $V_{CC} = 4.5 \text{ V}; V_I = V_{IH} \text{ or } V_{IL;} -I_O = 16\text{mA}$ | 3.60 | 4.20 | | 3.50 | |] |
| | | $V_{CC} = 1.2 \text{ V}; V_I = V_{IH} \text{ or } V_{IL}; I_O = 100 \mu\text{A}$ | | 0 | | | | |
| | | $V_{CC} = 2.0 \text{ V}; V_I = V_{IH} \text{ or } V_{IL}; I_O = 100 \mu\text{A}$ | | 0 | 0.2 | | 0.2 | 1 |
| V_{OL} | LOW level output voltage; all outputs | $V_{CC} = 2.7 \text{ V}; V_I = V_{IH} \text{ or } V_{IL}; I_O = 100 \mu\text{A}$ | | 0 | 0.2 | | 0.2 | ٧ |
| | voitage, all outputs | $V_{CC} = 3.0 \text{ V}; V_I = V_{IH} \text{ or } V_{IL}; I_O = 100 \mu\text{A}$ | | 0 | 0.2 | | 0.2 |] |
| | | $V_{CC} = 4.5 \text{ V}; V_I = V_{IH} \text{ or } V_{IL}; I_O = 100 \mu\text{A}$ | | 0 | 0.2 | | 0.2 | |
| \/ | LOW level output voltage; BUS driver | $V_{CC} = 3.0 \text{ V}; V_I = V_{IH} \text{ or } V_{IL}; I_O = 8\text{mA}$ | | 0.20 | 0.40 | | 0.50 | V |
| V _{OL} | outputs | $V_{CC} = 4.5 \text{ V}; V_I = V_{IH} \text{ or } V_{IL}; I_O = 16\text{mA}$ | | 0.35 | 0.55 | | 0.65 | |



^{1.} Stresses beyond those listed 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.

Quad buffer/line driver (3-State)

74LV125

DC ELECTRICAL CHARACTERISTICS (Continued)

Over recommended operating conditions, voltages are referenced to GND (ground = 0 V)

| | | | | | LIMITS | | | |
|------------------|---|---|-----|------------------|--------|----------|------|----|
| SYMBOL | PARAMETER | TEST CONDITIONS | -40 | °C to +8 | 5°C | -40°C to | UNIT | |
| | | | MIN | TYP ¹ | MAX | MIN | MAX | |
| I _I | Input leakage current | $V_{CC} = 5.5 \text{ V}; V_I = V_{CC} \text{ or GND}$ | | | 1.0 | | 1.0 | μА |
| I _{OZ} | 3-State output OFF-state current | $V_{CC} = 5.5 \text{ V}; V_I = V_{IH} \text{ or } V_{IL};$ $V_O = V_{CC} \text{ or GND}$ | | | 5 | | 10 | μА |
| I _{CC} | Quiescent supply current; MSI | $V_{CC} = 5.5 \text{ V}; V_{I} = V_{CC} \text{ or GND}; I_{O} = 0$ | | | 20.0 | | 160 | μА |
| Δl _{CC} | Additional quiescent supply current per input | $V_{CC} = 2.7 \text{ V to } 3.6 \text{ V; } V_{I} = V_{CC} - 0.6 \text{ V}$ | | | 500 | | 850 | μА |

NOTE:

AC CHARACTERISTICS

 $GND = 0V; \ t_{\Gamma} = t_f \leq 2.5 ns; \ C_L = 50 pF; \ R_L = 1 K\Omega$

| | | | CONDITION | | | LIMITS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|--|----------------|---------------------|---------------------|------------------|--------------|--------------|--------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|--|----|----|--|----|----|
| SYMBOL | PARAMETER | WAVEFORM | CONDITION | _ | 40 to +85 | °C | -40 to | +125 °C | UNIT | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Ι Γ | V _{CC} (V) | MIN | TYP ¹ | MAX | MIN | MAX | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1.2 | | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.0 | | 19 | 24 | | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| t _{PHL} /t _{PLH} | Propagation delay nA to nY | Figures 1, 2 | 2.7 | | 14 | 18 | | 23 | ns | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1 [| 3.0 to 3.6 | | 10 ² | 14 | | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 [| 4.5 to 5.5 | | | 12 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1.2 | | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3-State output | Ι Γ | 2.0 | | 26 | 31 | | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| t _{PZH} /t _{PZL} | enable time | Figures 2, 3 | 2.7 | | 19 | 23 | | 29 | ns | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | nOE to nY | 1 [| 3.0 to 3.6 | | 14 ² | 18 | | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 [| 4.5 to 5.5 | | | 15 | | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1.2 | | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | t _{PHZ} /t _{PLZ} 3-State output disable time nOE to nY | 3-State output | Figures 2, 3 | e time Figures 2, 3 | 2.0 | | 24 | 32 | | 39 | | | | | | | | | | | | | | | | | | | | | | | | | |
| t _{PHZ} /t _{PLZ} | | Figures 2, 3 | | | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | Figures 2, 3 | 2.7 | | 18 | 24 | | 29 | ns |
| | | nOE to nY | | | | | 3.0 to 3.6 | | 14 ² | 20 | | 24 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 4.5 to 5.5 | | | 17 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |



^{1.} All typical values are measured at T_{amb} = 25°C.

Unless otherwise stated, all typical values are measured at T_{amb} = 25°C
 Typical values are measured at V_{CC} = 3.3 V.

Quad buffer/line driver (3-State)

74LV125

AC WAVEFORMS

 $V_M = 1.5 \text{ V at } V_{CC} \ge 2.7 \text{ V and } \le 3.6 \text{ V};$

 $V_M = 0.5 \times V_{CC}$ at $V_{CC} < 2.7 \text{ V}$ and $\geq 4.5 \text{ V}.$

 V_{OL} and V_{OH} are the typical output voltage drop that occur with the output load.

$$\begin{split} &V_X = V_{OL} + 0.3 \text{ V at } V_{CC} \ge 2.7 \text{ V and } \le 3.6 \text{ V;} \\ &V_X = V_{OL} + 0.1 \times V_{CC} \text{ at } V_{CC} < 2.7 \text{ V and } \ge 4.5 \text{ V.} \\ &V_Y = V_{OH} - 0.3 \text{ V at } V_{CC} \ge 2.7 \text{ V and } \le 3.6 \text{ V;} \end{split}$$

 $V_Y = V_{OH} - 0.1 \cdot V_{CC}$ at $V_{CC} < 2.7 \text{ V}$ and $\geq 4.5 \text{ V}$.

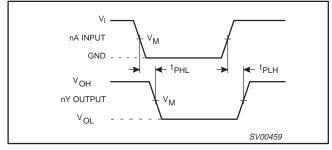


Figure 1. Input (nA) to output (nY) propagation delays and output transition times.

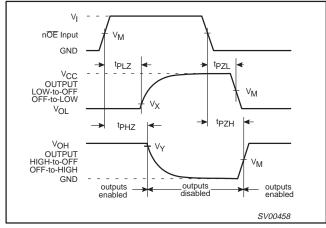


Figure 2. 3-state enable and disable times.

TEST CIRCUIT

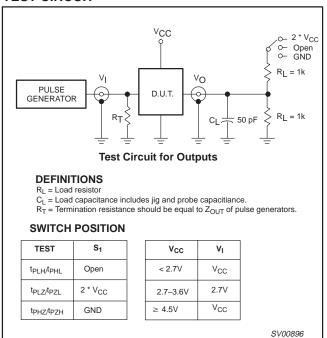


Figure 3. Load circuitry for switching times.

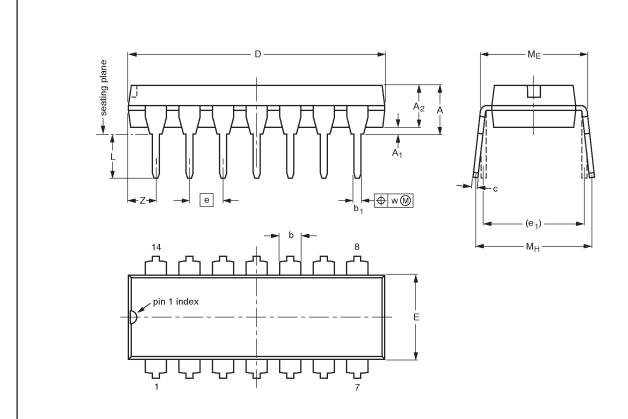


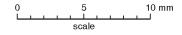
Quad buffer/line driver (3-State)

74LV125

DIP14: plastic dual in-line package; 14 leads (300 mil)

SOT27-1





DIMENSIONS (inch dimensions are derived from the original mm dimensions)

| UNIT | A max. | A ₁ min. | A ₂ max. | b | b ₁ | С | D ⁽¹⁾ | E ⁽¹⁾ | е | e ₁ | L | ME | Мн | w | Z ⁽¹⁾ max. |
|--------|-----------|------------------------|------------------------|----------------|----------------|----------------|------------------|------------------|------|----------------|--------------|--------------|--------------|-------|--------------------------|
| mm | 4.2 | 0.51 | 3.2 | 1.73 1.13 | 0.53 0.38 | 0.36 0.23 | 19.50 18.55 | 6.48 6.20 | 2.54 | 7.62 | 3.60 3.05 | 8.25 7.80 | 10.0 8.3 | 0.254 | 2.2 |
| inches | 0.17 | 0.020 | 0.13 | 0.068 0.044 | 0.021 0.015 | 0.014 0.009 | 0.77 0.73 | 0.26 0.24 | 0.10 | 0.30 | 0.14 0.12 | 0.32 0.31 | 0.39 0.33 | 0.01 | 0.087 |

Note

1. Plastic or metal protrusions of 0.25 mm maximum per side are not included.

| OUTLINE REFERENCES VERSION IEC JEDEC EIAJ | EUROPEAN | ISSUE DATE | | | |
|---|----------|------------|------|------------|---------------------------------|
| VERSION | IEC | JEDEC | EIAJ | PROJECTION | ISSUE DATE |
| SOT27-1 | 050G04 | MO-001AA | | | 92-11-17 95-03-11 |

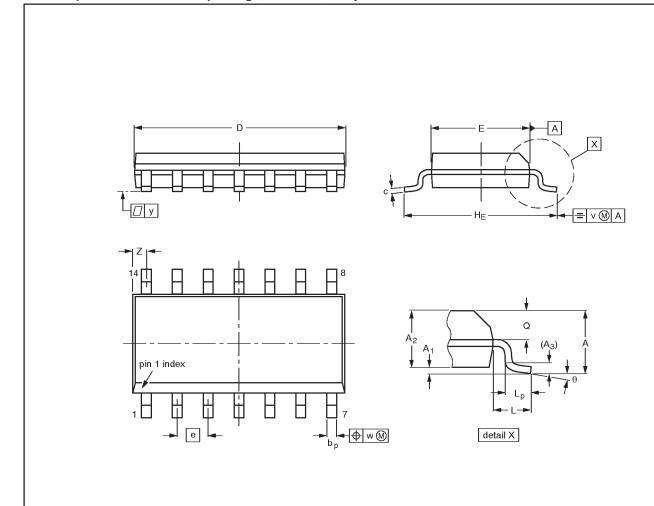


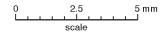
Quad buffer/line driver (3-State)

74LV125

SO14: plastic small outline package; 14 leads; body width 3.9 mm

SOT108-1





DIMENSIONS (inch dimensions are derived from the original mm dimensions)

| UNIT | A max. | Α1 | A ₂ | A ₃ | bp | С | D ⁽¹⁾ | E ⁽¹⁾ | е | HE | L | Lp | Q | v | w | у | Z ⁽¹⁾ | θ |
|--------|-----------|------------------|----------------|----------------|--------------|------------------|------------------|------------------|-------|--------------|-------|------------|----------------|------|------|-------|------------------|----|
| mm | 1.75 | 0.25 0.10 | 1.45 1.25 | 0.25 | 0.49 0.36 | 0.25 0.19 | 8.75 8.55 | 4.0 3.8 | 1.27 | 6.2 5.8 | 1.05 | 1.0 0.4 | 0.7 0.6 | 0.25 | 0.25 | 0.1 | 0.7 0.3 | 8° |
| inches | L വ വരവ | 0.0098 0.0039 | | 0.01 | | 0.0098 0.0075 | 0.35 0.34 | 0.16 0.15 | 0.050 | 0.24 0.23 | 0.041 | | 0.028 0.024 | 0.01 | 0.01 | 0.004 | 0.028 0.012 | 0° |

Note

1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.

| OUTLINE | | EUROPEAN | ISSUE DATE | | | | |
|----------|----------|----------|------------|--|------------|---------------------------------|--|
| VERSION | IEC | JEDEC | EIAJ | | PROJECTION | ISSUE DATE | |
| SOT108-1 | 076E06\$ | MS-012AB | | | | 91-08-13 95-01-23 | |

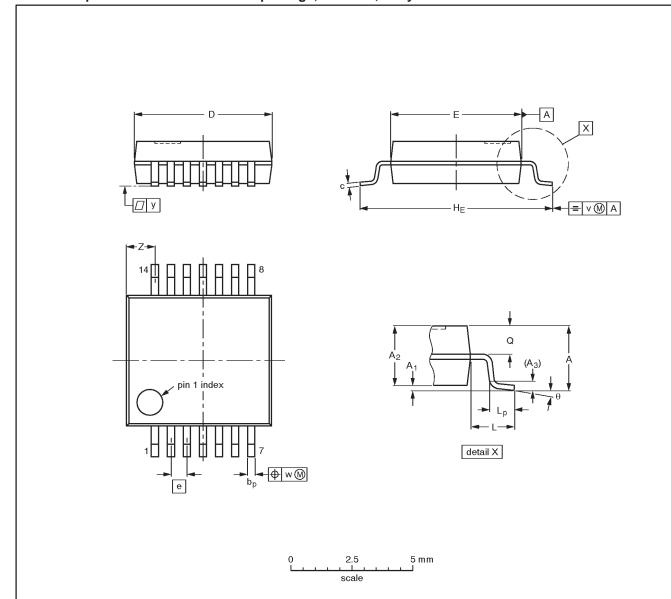


Quad buffer/line driver (3-State)

74LV125

SSOP14: plastic shrink small outline package; 14 leads; body width 5.3 mm

SOT337-1



DIMENSIONS (mm are the original dimensions)

| UNIT | A max. | A ₁ | A ₂ | A ₃ | рb | O | D ⁽¹⁾ | E ⁽¹⁾ | Ф | HE | L | Lp | ø | ٧ | w | у | Z ⁽¹⁾ | θ |
|------|-----------|----------------|----------------|-----------------------|--------------|--------------|------------------|------------------|------|------------|------|--------------|------------|-----|------|-----|------------------|----------|
| mm | 2.0 | 0.21 0.05 | 1.80 1.65 | 0.25 | 0.38 0.25 | 0.20 0.09 | 6.4 6.0 | 5.4 5.2 | 0.65 | 7.9 7.6 | 1.25 | 1.03 0.63 | 0.9 0.7 | 0.2 | 0.13 | 0.1 | 1.4 0.9 | 8° 0° |

Note

1. Plastic or metal protrusions of 0.25 mm maximum per side are not included.

| OUTLINE | | EUROPEAN | ISSUE DATE | | | |
|----------|-----|----------|------------|--|------------|----------------------------------|
| VERSION | IEC | JEDEC | EIAJ | | PROJECTION | ISSUE DATE |
| SOT337-1 | | MO-150AB | | | | -95-02-04 96-01-18 |

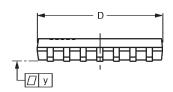


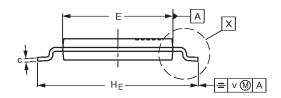
Quad buffer/line driver (3-State)

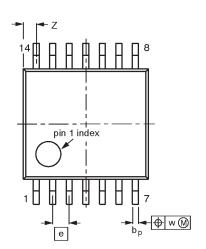
74LV125

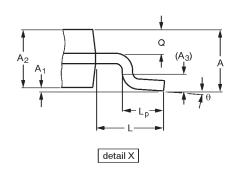
TSSOP14: plastic thin shrink small outline package; 14 leads; body width 4.4 mm

SOT402-1











DIMENSIONS (mm are the original dimensions)

| UNIT | A max. | Α1 | A ₂ | A ₃ | рb | С | D ⁽¹⁾ | E ⁽²⁾ | е | HE | L | Lp | Q | v | w | у | Z ⁽¹⁾ | θ |
|------|-----------|--------------|----------------|----------------|--------------|------------|------------------|------------------|------|------------|-----|--------------|------------|-----|------|-----|------------------|----------|
| mm | 1.10 | 0.15 0.05 | 0.95 0.80 | 0.25 | 0.30 0.19 | 0.2 0.1 | 5.1 4.9 | 4.5 4.3 | 0.65 | 6.6 6.2 | 1.0 | 0.75 0.50 | 0.4 0.3 | 0.2 | 0.13 | 0.1 | 0.72 0.38 | 8° 0° |

Notes

- 1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.
- 2. Plastic interlead protrusions of 0.25 mm maximum per side are not included.

| OUTLINE | | EUROPEAN | ISSUE DATE | | | | |
|----------|-----|----------|------------|--|------------|-----------------------------------|--|
| VERSION | IEC | JEDEC | EIAJ | | PROJECTION | ISSUE DATE | |
| SOT402-1 | | MO-153 | | | | -94-07-12- 95-04-04 | |



Quad buffer/line driver (3-State)

74LV125

NOTES



Quad buffer/line driver (3-State)

74LV125

| | DEFINITIONS | | | | | | | |
|---------------------------|------------------------|--|--|--|--|--|--|--|
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| Objective Specification | Formative or in Design | This data sheet contains the design target or goal specifications for product development. Specifications may change in any manner without notice. | | | | | | |
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print code

Date of release: 05-96

Document order number:

9397-750-04419

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