

74AUP1T98-Q100

Low-power configurable gate with voltage-level translator

Rev. 4 — 27 January 2022

Product data sheet

1. General description

The 74AUP1T98-Q100 is a configurable multiple function gate with level translating, Schmitt-trigger inputs. The device can be configured as any of the following logic functions MUX, AND, OR, NAND, NOR, inverter and buffer; using the 3-bit input. All inputs can be connected directly to V_{CC} or GND. Low threshold Schmitt trigger inputs allow these devices to be driven by 1.8 V logic levels in 3.3 V applications.

This device ensures very low static and dynamic power consumption across the entire V_{CC} range from 2.3 V to 3.6 V. This device is fully specified for partial power down applications using I_{OFF} . The I_{OFF} circuitry disables the output, preventing the potentially damaging backflow current through the device when it is powered down.

This product has been qualified to the Automotive Electronics Council (AEC) standard Q100 (Grade 1) and is suitable for use in automotive applications.

2. Features and benefits

- Automotive product qualification in accordance with AEC-Q100 (Grade 1)
 - Specified from -40 °C to +85 °C and from -40 °C to +125 °C
- Wide supply voltage range from 2.3 V to 3.6 V
- CMOS low power dissipation
- High noise immunity
- Complies with JEDEC standards
 - JESD8-12 (0.8 V to 1.3 V)
 - JESD8-11 (0.9 V to 1.65 V)
 - JESD8-7 (1.65 V to 1.95 V)
 - JESD8-5 (2.3 V to 2.7 V)
 - JESD8C (2.7 V to 3.6 V)
- ESD protection:
 - MIL-STD-883, method 3015 Class 3A, exceeds 5000 V
 - HBM JESD22-A114F Class 3A, exceeds 5000 V
 - MM JESD22-A115-A exceeds 200 V (C = 200 pF, R = 0 Ω)
- Low static power consumption; $I_{CC} = 1.5 \mu\text{A}$ (maximum)
- Latch-up performance exceeds 100 mA per JESD 78 Class II Level B
- Overvoltage tolerant inputs to 3.6 V
- Low noise overshoot and undershoot < 10 % of V_{CC}
- I_{OFF} circuitry provides partial Power-down mode operation

3. Ordering information

Table 1. Ordering information

| Type number | Package | | | |
|------------------|-------------------|--------|--|----------|
| | Temperature range | Name | Description | Version |
| 74AUP1T98GW-Q100 | -40 °C to +125 °C | TSSOP6 | plastic thin shrink small outline package; 6 leads; body width 1.25 mm | SOT363-2 |

4. Marking

Table 2. Marking

| Type number | Marking code |
|------------------|--------------|
| 74AUP1T98GW-Q100 | aR |

5. Functional diagram

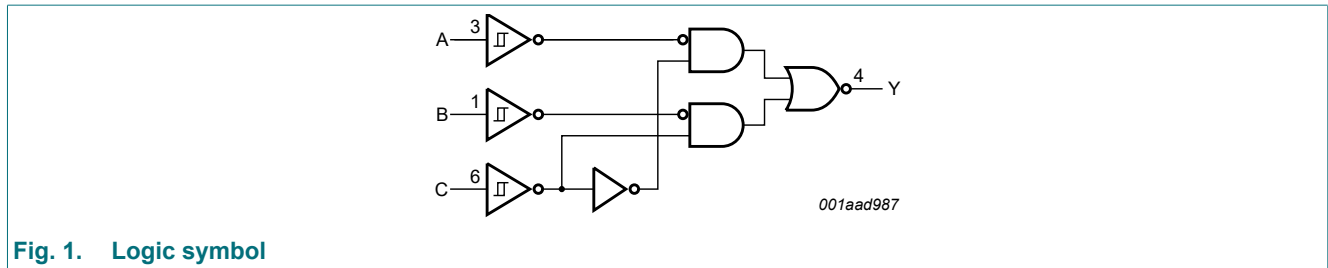


Fig. 1. Logic symbol

6. Pinning information

6.1. Pinning

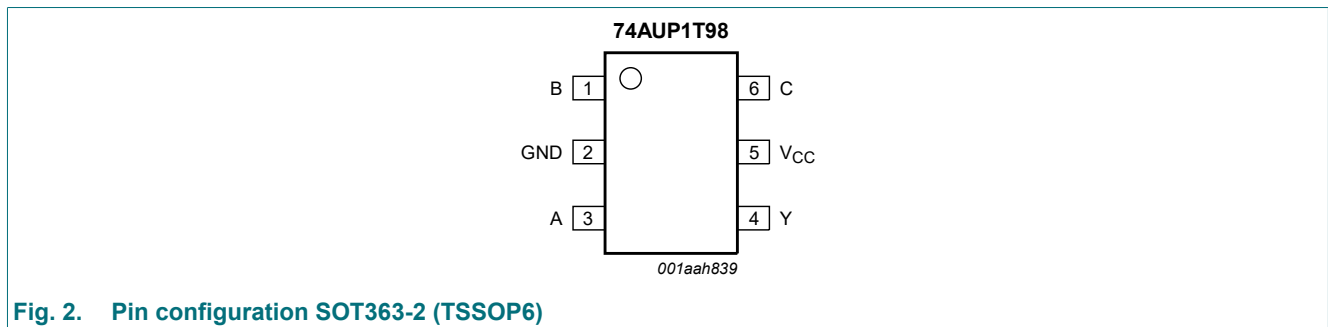


Fig. 2. Pin configuration SOT363-2 (TSSOP6)

6.2. Pin description

Table 3. Pin description

| Symbol | Pin | Description |
|-----------------|-----|----------------|
| B | 1 | data input |
| GND | 2 | ground (0 V) |
| A | 3 | data input |
| Y | 4 | data output |
| V _{CC} | 5 | supply voltage |
| C | 6 | data input |

7. Functional description

Table 4. Function table

H = HIGH voltage level; L = LOW voltage level.

| Input | | | Output |
|-------|---|---|--------|
| C | B | A | Y |
| L | L | L | H |
| L | L | H | H |
| L | H | L | L |
| L | H | H | L |
| H | L | L | H |
| H | L | H | L |
| H | H | L | H |
| H | H | H | L |

7.1. Logic configurations

Table 5. Function selection table

| Logic function | Figure |
|--------------------------------------|----------------------------|
| 2-input MUX (inverting) | see Fig. 3 |
| 2-input NAND | see Fig. 4 |
| 2-input NOR with one input inverted | see Fig. 5 |
| 2-input AND with one input inverted | see Fig. 5 |
| 2-input NAND with one input inverted | see Fig. 6 |
| 2-input OR with one input inverted | see Fig. 6 |
| 2-input NOR | see Fig. 7 |
| Buffer | see Fig. 8 |
| Inverter | see Fig. 9 |

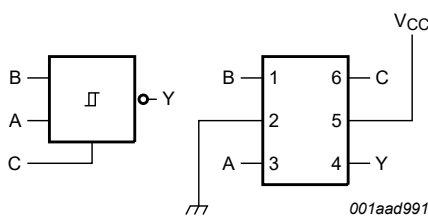


Fig. 3. 2-input MUX (inverting)

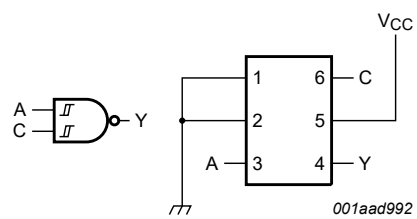


Fig. 4. 2-input NAND gate

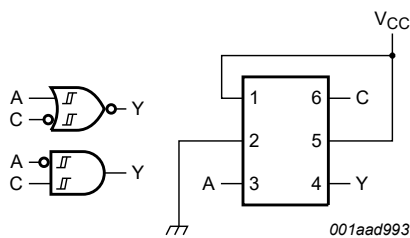


Fig. 5. 2-input AND gate with input A inverted or 2-input NOR gate with input C inverted

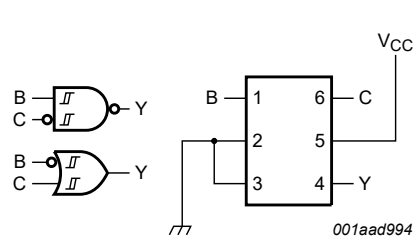
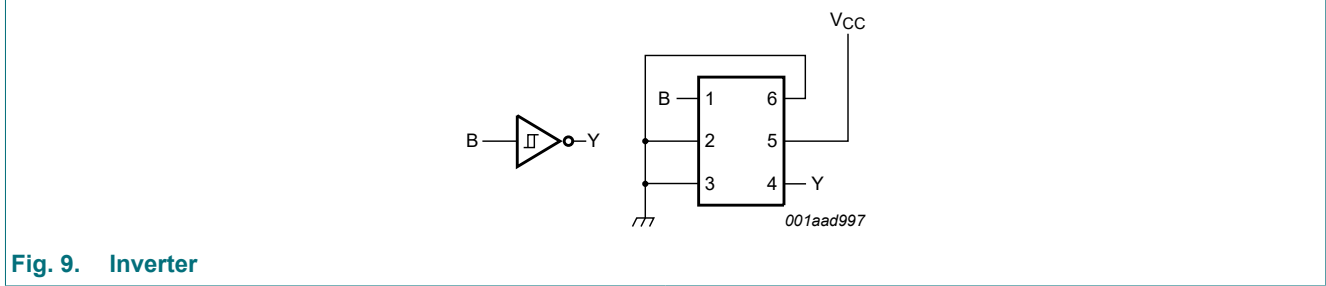
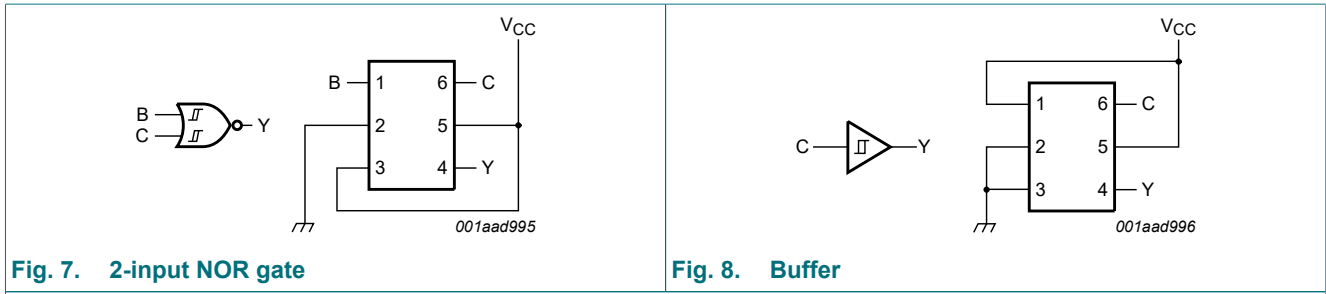


Fig. 6. 2-input OR gate with input B inverted or 2-input NAND gate with input C inverted



8. Limiting values

Table 6. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134). Voltages are referenced to GND (ground = 0 V).

| Symbol | Parameter | Conditions | Min | Max | Unit |
|------------------|-------------------------|---|------|------|------|
| V _{CC} | supply voltage | | -0.5 | +4.6 | V |
| I _{IK} | input clamping current | V _I < 0 V | -50 | - | mA |
| V _I | input voltage | | -0.5 | +4.6 | V |
| I _{OK} | output clamping current | V _O < 0 V | -50 | - | mA |
| V _O | output voltage | Active mode and Power-down mode | -0.5 | +4.6 | V |
| I _O | output current | V _O = 0 V to V _{CC} | - | ±20 | mA |
| I _{CC} | supply current | | - | +50 | mA |
| I _{GND} | ground current | | -50 | - | mA |
| T _{stg} | storage temperature | | -65 | +150 | °C |
| P _{tot} | total power dissipation | T _{amb} = -40 °C to +125 °C | - | 250 | mW |

[1] The minimum input and output voltage ratings may be exceeded if the input and output current ratings are observed.

[2] For SOT363-2 (TSSOP6) package: P_{tot} derates linearly with 3.7 mW/K above 83 °C.

9. Recommended operating conditions

Table 7. Recommended operating conditions

| Symbol | Parameter | Conditions | Min | Max | Unit |
|------------------|---------------------|--|-----|-----------------|------|
| V _{CC} | supply voltage | | 2.3 | 3.6 | V |
| V _I | input voltage | | 0 | 3.6 | V |
| V _O | output voltage | Active mode | 0 | V _{CC} | V |
| | | Power-down mode; V _{CC} = 0 V | 0 | 3.6 | V |
| T _{amb} | ambient temperature | | -40 | +125 | °C |

10. Static characteristics

Table 8. Static characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V).

| Symbol | Parameter | Conditions | Min | Typ | Max | Unit |
|--------------------------------|--------------------------------------|---|-----------------------|-----|------|------|
| T_{amb} = 25 °C | | | | | | |
| V _{T+} | positive-going threshold voltage | V _{CC} = 2.3 V to 2.7 V | 0.60 | - | 1.10 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.75 | - | 1.16 | V |
| V _{T-} | negative-going threshold voltage | V _{CC} = 2.3 V to 2.7 V | 0.35 | - | 0.60 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.50 | - | 0.85 | V |
| V _H | hysteresis voltage | V _H = V _{T+} - V _{T-} | | | | |
| | | V _{CC} = 2.3 V to 2.7 V | 0.23 | - | 0.60 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.25 | - | 0.56 | V |
| V _{OH} | HIGH-level output voltage | V _I = V _{T+} or V _{T-} | | | | |
| | | I _O = -20 μA; V _{CC} = 2.3 V to 3.6 V | V _{CC} - 0.1 | - | - | V |
| | | I _O = -2.3 mA; V _{CC} = 2.3 V | 2.05 | - | - | V |
| | | I _O = -3.1 mA; V _{CC} = 2.3 V | 1.9 | - | - | V |
| | | I _O = -2.7 mA; V _{CC} = 3.0 V | 2.72 | - | - | V |
| | | I _O = -4.0 mA; V _{CC} = 3.0 V | 2.6 | - | - | V |
| V _{OL} | LOW-level output voltage | V _I = V _{T+} or V _{T-} | | | | |
| | | I _O = 20 μA; V _{CC} = 2.3 V to 3.6 V | - | - | 0.10 | V |
| | | I _O = 2.3 mA; V _{CC} = 2.3 V | - | - | 0.31 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.44 | V |
| | | I _O = 2.7 mA; V _{CC} = 3.0 V | - | - | 0.31 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.44 | V |
| I _I | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.1 | μA |
| I _{OFF} | power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V | - | - | ±0.1 | μA |
| ΔI _{OFF} | additional power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V to 0.2 V | - | - | ±0.2 | μA |
| I _{CC} | supply current | V _I = GND or V _{CC} ; I _O = 0 A; V _{CC} = 2.3 V to 3.6 V | - | - | 1.2 | μA |
| C _I | input capacitance | V _{CC} = 0 V to 3.6 V; V _I = GND or V _{CC} | - | 0.8 | - | pF |
| C _O | output capacitance | V _O = GND; V _{CC} = 0 V | - | 1.7 | - | pF |

Low-power configurable gate with voltage-level translator

| Symbol | Parameter | Conditions | Min | Typ | Max | Unit |
|---|--------------------------------------|--|-----------------------|-----|------|------|
| T_{amb} = -40 °C to +85 °C | | | | | | |
| V _{T+} | positive-going threshold voltage | V _{CC} = 2.3 V to 2.7 V | 0.60 | - | 1.10 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.75 | - | 1.19 | V |
| V _{T-} | negative-going threshold voltage | V _{CC} = 2.3 V to 2.7 V | 0.35 | - | 0.60 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.50 | - | 0.85 | V |
| V _H | hysteresis voltage | V _H = V _{T+} - V _{T-} | | | | |
| | | V _{CC} = 2.3 V to 2.7 V | 0.10 | - | 0.60 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.15 | - | 0.56 | V |
| V _{OH} | HIGH-level output voltage | V _I = V _{T+} or V _{T-} | | | | |
| | | I _O = -20 μA; V _{CC} = 2.3 V to 3.6 V | V _{CC} - 0.1 | - | - | V |
| | | I _O = -2.3 mA; V _{CC} = 2.3 V | 1.97 | - | - | V |
| | | I _O = -3.1 mA; V _{CC} = 2.3 V | 1.85 | - | - | V |
| | | I _O = -2.7 mA; V _{CC} = 3.0 V | 2.67 | - | - | V |
| | | I _O = -4.0 mA; V _{CC} = 3.0 V | 2.55 | - | - | V |
| V _{OL} | LOW-level output voltage | V _I = V _{T+} or V _{T-} | | | | |
| | | I _O = 20 μA; V _{CC} = 2.3 V to 3.6 V | - | - | 0.1 | V |
| | | I _O = 2.3 mA; V _{CC} = 2.3 V | - | - | 0.33 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.45 | V |
| | | I _O = 2.7 mA; V _{CC} = 3.0 V | - | - | 0.33 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.45 | V |
| I _I | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.5 | μA |
| I _{OFF} | power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V | - | - | ±0.5 | μA |
| ΔI _{OFF} | additional power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V to 0.2 V | - | - | ±0.5 | μA |
| I _{CC} | supply current | V _I = GND or V _{CC} ; I _O = 0 A; V _{CC} = 2.3 V to 3.6 V | - | - | 1.5 | μA |
| ΔI _{CC} | additional supply current | V _{CC} = 2.3 V to 2.7 V; I _O = 0 A; One input at 0.3 V or 1.1 V, other inputs at V _{CC} or GND | - | - | 4 | μA |
| | | V _{CC} = 3.0 V to 3.6 V; I _O = 0 A; One input at 0.45 V or 1.2 V, other inputs at V _{CC} or GND | - | - | 12 | μA |

Low-power configurable gate with voltage-level translator

| Symbol | Parameter | Conditions | Min | Typ | Max | Unit |
|--|--------------------------------------|--|------------------------|-----|-------|------|
| T_{amb} = -40 °C to +125 °C | | | | | | |
| V _{T+} | positive-going threshold voltage | V _{CC} = 2.3 V to 2.7 V | 0.60 | - | 1.10 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.75 | - | 1.19 | V |
| V _{T-} | negative-going threshold voltage | V _{CC} = 2.3 V to 2.7 V | 0.33 | - | 0.64 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.46 | - | 0.85 | V |
| V _H | hysteresis voltage | V _H = V _{T+} - V _{T-} | | | | |
| | | V _{CC} = 2.3 V to 2.7 V | 0.10 | - | 0.60 | V |
| | | V _{CC} = 3.0 V to 3.6 V | 0.15 | - | 0.56 | V |
| V _{OH} | HIGH-level output voltage | V _I = V _{T+} or V _{T-} | | | | |
| | | I _O = -20 μA; V _{CC} = 2.3 V to 3.6 V | V _{CC} - 0.11 | - | - | V |
| | | I _O = -2.3 mA; V _{CC} = 2.3 V | 1.77 | - | - | V |
| | | I _O = -3.1 mA; V _{CC} = 2.3 V | 1.67 | - | - | V |
| | | I _O = -2.7 mA; V _{CC} = 3.0 V | 2.40 | - | - | V |
| | | I _O = -4.0 mA; V _{CC} = 3.0 V | 2.30 | - | - | V |
| V _{OL} | LOW-level output voltage | V _I = V _{T+} or V _{T-} | | | | |
| | | I _O = 20 μA; V _{CC} = 2.3 V to 3.6 V | - | - | 0.11 | V |
| | | I _O = 2.3 mA; V _{CC} = 2.3 V | - | - | 0.36 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.50 | V |
| | | I _O = 2.7 mA; V _{CC} = 3.0 V | - | - | 0.36 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.50 | V |
| I _I | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.75 | μA |
| I _{OFF} | power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V | - | - | ±0.75 | μA |
| ΔI _{OFF} | additional power-off leakage current | V _I or V _O = 0 V to 3.6 V; V _{CC} = 0 V to 0.2 V | - | - | ±0.75 | μA |
| I _{CC} | supply current | V _I = GND or V _{CC} ; I _O = 0 A; V _{CC} = 2.3 V to 3.6 V | - | - | 3.5 | μA |
| ΔI _{CC} | additional supply current | V _{CC} = 2.3 V to 2.7 V; I _O = 0 A; One input at 0.3 V or 1.1 V, other inputs at V _{CC} or GND | - | - | 7 | μA |
| | | V _{CC} = 3.0 V to 3.6 V; I _O = 0 A; One input at 0.45 V or 1.2 V, other inputs at V _{CC} or GND | - | - | 22 | μA |

11. Dynamic characteristics

Table 9. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 11.

| Symbol | Parameter | Conditions | 25 °C | | | -40 °C to +85 °C | | -40 °C to +125 °C | | Unit |
|--|-------------------|-------------------------------|-------|---------|-----|------------------|------|-------------------|------|------|
| | | | Min | Typ [1] | Max | Min | Max | Min | Max | |
| V_{CC} = 2.3 V to 2.7 V; V_I = 1.65 V to 1.95 V | | | | | | | | | | |
| t _{pd} | propagation delay | A, B, C to Y; see Fig. 10 [2] | | | | | | | | |
| | | C _L = 5 pF | 2.0 | 3.6 | 5.7 | 0.5 | 6.8 | 0.5 | 7.5 | ns |
| | | C _L = 10 pF | 2.5 | 4.2 | 6.3 | 1.0 | 7.9 | 1.0 | 8.7 | ns |
| | | C _L = 15 pF | 2.9 | 4.6 | 6.9 | 1.0 | 8.7 | 1.0 | 9.6 | ns |
| | | C _L = 30 pF | 3.9 | 5.8 | 8.3 | 1.5 | 10.8 | 1.5 | 11.9 | ns |

Low-power configurable gate with voltage-level translator

| Symbol | Parameter | Conditions | 25 °C | | | -40 °C to +85 °C | | -40 °C to +125 °C | | Unit |
|--|-------------------------------|---|-------|---------|-----|------------------|------|-------------------|------|------|
| | | | Min | Typ [1] | Max | Min | Max | Min | Max | |
| V_{CC} = 2.3 V to 2.7 V; V_I = 2.3 V to 2.7 V | | | | | | | | | | |
| t _{pd} | propagation delay | A, B, C to Y; see Fig. 10 [2] | | | | | | | | |
| | | C _L = 5 pF | 1.7 | 3.4 | 5.6 | 0.5 | 6.0 | 0.5 | 6.6 | ns |
| | | C _L = 10 pF | 2.1 | 4.0 | 6.3 | 1.0 | 7.1 | 1.0 | 7.9 | ns |
| | | C _L = 30 pF | 3.4 | 5.6 | 8.4 | 1.5 | 10.0 | 1.5 | 11.0 | ns |
| V_{CC} = 2.3 V to 2.7 V; V_I = 3.0 V to 3.6 V | | | | | | | | | | |
| t _{pd} | propagation delay | A, B, C to Y; see Fig. 10 [2] | | | | | | | | |
| | | C _L = 5 pF | 1.3 | 3.2 | 5.2 | 0.5 | 5.5 | 0.5 | 6.1 | ns |
| | | C _L = 10 pF | 1.8 | 3.7 | 5.9 | 1.0 | 6.5 | 1.0 | 7.2 | ns |
| | | C _L = 30 pF | 3.1 | 5.4 | 7.9 | 1.5 | 9.5 | 1.5 | 10.5 | ns |
| V_{CC} = 3.0 V to 3.6 V; V_I = 1.65 V to 1.95 V | | | | | | | | | | |
| t _{pd} | propagation delay | A, B, C to Y; see Fig. 10 [2] | | | | | | | | |
| | | C _L = 5 pF | 2.0 | 2.9 | 4.1 | 0.5 | 8.0 | 0.5 | 8.8 | ns |
| | | C _L = 10 pF | 2.4 | 3.5 | 4.8 | 1.0 | 8.5 | 1.0 | 9.4 | ns |
| | | C _L = 30 pF | 3.6 | 5.1 | 6.9 | 1.5 | 9.8 | 1.5 | 10.8 | ns |
| V_{CC} = 3.0 V to 3.6 V; V_I = 2.3 V to 2.7 V | | | | | | | | | | |
| t _{pd} | propagation delay | A, B, C to Y; see Fig. 10 [2] | | | | | | | | |
| | | C _L = 5 pF | 1.5 | 2.8 | 4.4 | 0.5 | 5.3 | 0.5 | 5.9 | ns |
| | | C _L = 10 pF | 2.0 | 3.4 | 5.1 | 1.0 | 6.1 | 1.0 | 6.8 | ns |
| | | C _L = 30 pF | 3.4 | 5.0 | 7.2 | 1.5 | 8.5 | 1.5 | 9.4 | ns |
| V_{CC} = 3.0 V to 3.6 V; V_I = 3.0 V to 3.6 V | | | | | | | | | | |
| t _{pd} | propagation delay | A, B, C to Y; see Fig. 10 [2] | | | | | | | | |
| | | C _L = 5 pF | 1.3 | 2.8 | 4.4 | 0.5 | 4.7 | 0.5 | 5.2 | ns |
| | | C _L = 10 pF | 1.7 | 3.3 | 5.2 | 1.0 | 5.7 | 1.0 | 6.3 | ns |
| | | C _L = 30 pF | 3.1 | 5.0 | 7.2 | 1.5 | 7.8 | 1.5 | 8.6 | ns |
| T_{amb} = 25 °C | | | | | | | | | | |
| C _{PD} | power dissipation capacitance | f _i = 1 MHz; V _I = GND to V _{CC} [3] | | | | | | | | |
| | | V _{CC} = 2.3 V to 2.7 V | - | 3.6 | - | - | - | - | - | pF |
| | | V _{CC} = 3.0 V to 3.6 V | - | 4.3 | - | - | - | - | - | pF |

[1] All typical values are measured at nominal V_{CC}.
 [2] t_{pd} is the same as t_{PLH} and t_{PHL}.
 [3] C_{PD} is used to determine the dynamic power dissipation (P_D in μW).
 $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \sum(C_L \times V_{CC}^2 \times f_o)$ where:
 f_i = input frequency in MHz;
 f_o = output frequency in MHz;
 C_L = output load capacitance in pF;
 V_{CC} = supply voltage in V;
 N = number of inputs switching;
 $\sum(C_L \times V_{CC}^2 \times f_o)$ = sum of the outputs.

11.1. Waveforms and test circuits

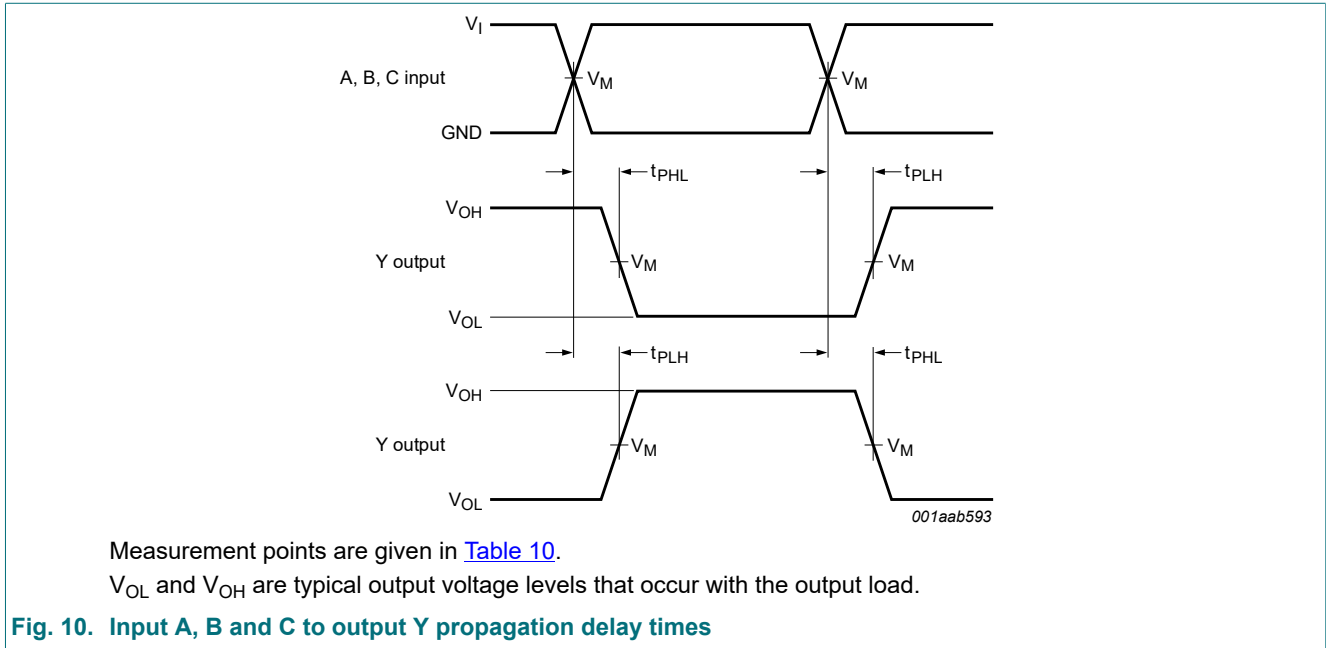


Table 10. Measurement points

| Supply voltage | Input | | | Output |
|----------------|------------------|-----------------|---------------|---------------------|
| V_{CC} | V_M | V_I | $t_r = t_f$ | V_M |
| 2.3 V to 3.6 V | $0.5 \times V_I$ | 1.65 V to 3.6 V | ≤ 3.0 ns | $0.5 \times V_{CC}$ |

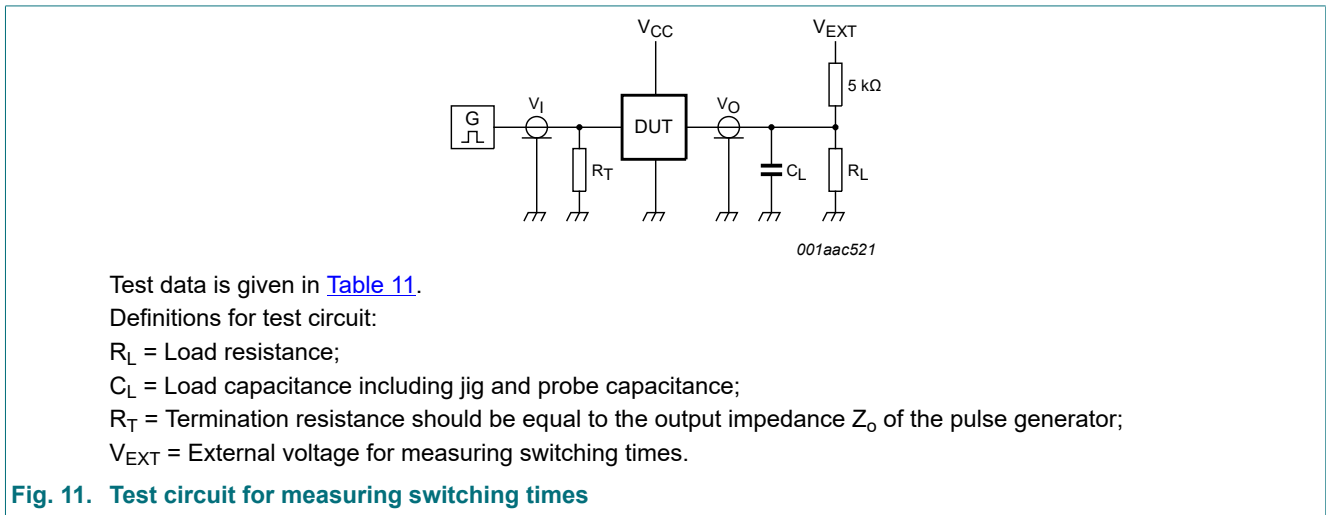


Table 11. Test data

| Supply voltage | Load | | V_{EXT} | | |
|----------------|------------------------------|------------------------------|--------------------|--------------------|--------------------|
| V_{CC} | C_L | R_L [1] | t_{PLH}, t_{PHL} | t_{PZH}, t_{PHZ} | t_{PZL}, t_{PLZ} |
| 2.3 V to 3.6 V | 5 pF, 10 pF, 15 pF and 30 pF | 5 k Ω or 1 M Ω | open | GND | $2 \times V_{CC}$ |

[1] For measuring enable and disable times $R_L = 5\text{ k}\Omega$.
 For measuring propagation delays, setup and hold times and pulse width $R_L = 1\text{ M}\Omega$.

12. Package outline

TSSOP6: plastic thin shrink small outline package; 6 leads; body width 1.25 mm

SOT363-2



Fig. 12. Package outline SOT363-2 (TSSOP6)

13. Abbreviations

Table 12. Abbreviations

| Acronym | Description |
|---------|---|
| CDM | Charged Device Model |
| CMOS | Complementary Metal-Oxide Semiconductor |
| DUT | Device Under Test |
| ESD | ElectroStatic Discharge |
| HBM | Human Body Model |
| MIL | Military |
| MM | Machine Model |

14. Revision history

Table 13. Revision history

| Document ID | Release date | Data sheet status | Change notice | Supersedes |
|--------------------|---|--------------------|---------------|--------------------|
| 74AUP1T98_Q100 v.4 | 20220127 | Product data sheet | - | 74AUP1T98_Q100 v.3 |
| Modifications: | <ul style="list-style-type: none"> Section 2 updated. SOT363 (SC-88) package changed to SOT363-2 (TSSOP6) package. | | | |
| 74AUP1T98_Q100 v.3 | 20201209 | Product data sheet | - | 74AUP1T98_Q100 v.2 |
| Modifications: | <ul style="list-style-type: none"> Section 1 updated. Table 6: Derating values for P_{tot} total power dissipation updated. | | | |
| 74AUP1T98_Q100 v.2 | 20181005 | Product data sheet | - | 74AUP1T98_Q100 v.1 |
| Modifications: | <ul style="list-style-type: none"> The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia. Legal texts have been adapted to the new company name where appropriate. | | | |
| 74AUP1T98_Q100 v.1 | 20140519 | Product data sheet | - | - |

15. Legal information

Data sheet status

| Document status [1][2] | Product status [3] | Definition |
|--------------------------------|--------------------|---|
| Objective [short] data sheet | Development | This document contains data from the objective specification for product development. |
| Preliminary [short] data sheet | Qualification | This document contains data from the preliminary specification. |
| Product [short] data sheet | Production | This document contains the product specification. |

- [1] Please consult the most recently issued document before initiating or completing a design.
- [2] The term 'short data sheet' is explained in section "Definitions".
- [3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the internet at <https://www.nexperia.com>.

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