Low-power triple Schmitt trigger Rev. 3 — 9 February 2021

1. General description

The 74AUP3G17 provides three Schmitt trigger buffers. It is capable of transforming slowly changing input signals into sharply defined, jitter-free output signals.

This device ensures a very low static and dynamic power consumption across the entire V_{CC} range from 0.8 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 damaging backflow current through the device when it is powered down.

The inputs switch at different points for positive and negative-going signals. The difference between the positive voltage V_{T+} and the negative voltage V_{T-} is defined as the input hysteresis voltage V_{H-} .

2. Features and benefits

- Wide supply voltage range from 0.8 V to 3.6 V
- High noise immunity
- ESD protection:
 - HBM JESD22-A114F Class 3A exceeds 5000 V
 - MM JESD22-A115-A exceeds 200 V
 - CDM JESD22-C101E exceeds 1000 V
 - Low static power consumption; $I_{CC} = 0.9 \ \mu A$ (maximum)
- Latch-up performance exceeds 100 mA per JESD 78 Class II
- Inputs accept voltages up to 3.6 V
- Low noise overshoot and undershoot < 10 % of V_{CC}
- I_{OFF} circuitry provides partial Power-down mode operation
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C

3. Ordering information

Table 1. Ordering information

| Type number | Package | | | |
|-------------|-------------------|--------|--|----------|
| | Temperature range | Name | Description | Version |
| 74AUP3G17DC | -40 °C to +125 °C | VSSOP8 | plastic very thin shrink small outline package; 8 leads; body width 2.3 mm | SOT765-1 |
| 74AUP3G17GT | -40 °C to +125 °C | XSON8 | plastic extremely thin small outline package; no leads; 8 terminals; body 1 × 1.95 × 0.5 mm | SOT833-1 |
| 74AUP3G17GN | -40 °C to +125 °C | XSON8 | extremely thin small outline package; no leads; 8 terminals; body 1.2 × 1.0 × 0.35 mm | SOT1116 |
| 74AUP3G17GS | -40 °C to +125 °C | XSON8 | extremely thin small outline package; no leads; 8 terminals; body 1.35 × 1.0 × 0.35 mm | SOT1203 |

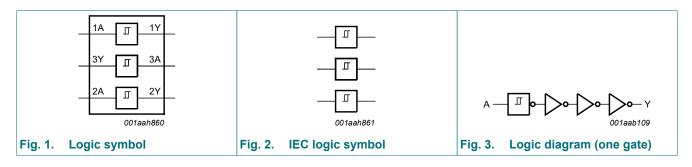
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4. Marking

| Table 2. Marking | | | | | | |
|------------------|------------------|--|--|--|--|--|
| Type number | Marking code [1] | | | | | |
| 74AUP3G17DC | pV | | | | | |
| 74AUP3G17GT | pV | | | | | |
| 74AUP3G17GN | pV | | | | | |
| 74AUP3G17GS | pV | | | | | |

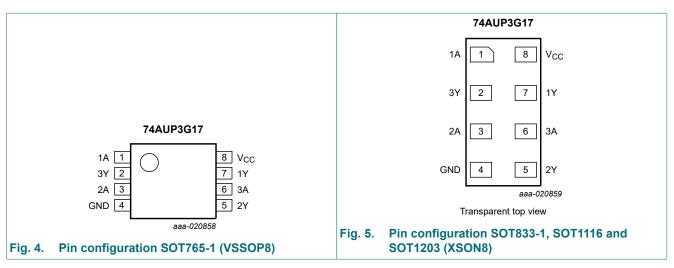
[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram



6. Pinning information

6.1. Pinning



6.2. Pin description

| Table 3. Pin description | | | | | | |
|--------------------------|---------|----------------|--|--|--|--|
| Symbol | Pin | Description | | | | |
| 1A, 2A, 3A | 1, 3, 6 | data input | | | | |
| GND | 4 | ground (0 V) | | | | |
| 1Y, 2Y, 3Y | 7, 5, 2 | data output | | | | |
| V _{CC} | 8 | supply voltage | | | | |

7. Functional description

Table 4. Function table

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

| Input | Output |
|-------|--------|
| nA | nY |
| L | L |
| Н | Н |

8. Limiting values

Table 5. Limiting values

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

| Symbol | Parameter | Conditions | Min | Мах | Unit |
|------------------|-------------------------|--|------|------|------|
| V _{CC} | supply voltage | | -0.5 | +4.6 | V |
| I _{IK} | input clamping current | V ₁ < 0 V | -50 | - | mA |
| VI | input voltage | [1] | -0.5 | +4.6 | V |
| I _{OK} | output clamping current | V ₀ < 0 V | -50 | - | mA |
| Vo | output voltage | Active mode and Power-down mode [1] | -0.5 | +4.6 | V |
| I _O | output current | $V_{O} = 0 V \text{ to } V_{CC}$ | - | ±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 [2] | - | 250 | mW |

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

For SOT765-1 (VSSOP8) package: P_{tot} derates linearly with 4.9 mW/K above 99 °C.
 For SOT833-1 (XSON8) package: P_{tot} derates linearly with 3.1 mW/K above 68 °C.
 For SOT1116 (XSON8) package: P_{tot} derates linearly with 4.2 mW/K above 90 °C.

For SOT1203 (XSON8) package: Ptot derates linearly with 3.6 mW/K above 81 °C.

9. Recommended operating conditions

| Table 6. Recommended operating conditions | | | | | | | | | |
|---|---------------------|---------------------------------|-----|-----------------|------|--|--|--|--|
| Symbol | Parameter | Conditions | Min | Max | Unit | | | | |
| V _{CC} | supply voltage | | 0.8 | 3.6 | V | | | | |
| VI | input voltage | | 0 | 3.6 | V | | | | |
| Vo | 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 7. Static characteristics

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

| Symbol | Parameter | Conditions | 2 | 25 °C | | -40 °C to | +85 °C | -40 °C to | +125 °C | Unit |
|-----------------|-------------------|--|-----------------------|-------|-------------|-----------------------|-------------|------------------------|---------------------|------|
| | | | Min | Тур | Мах | Min | Мах | Min | Max | |
| V _{OH} | HIGH-level | $V_{I} = V_{T+}$ or V_{T-} | | | | | | | | |
| | output voltage | I _O = -20 μA; V _{CC} = 0.8 V to 3.6 V | V _{CC} - 0.1 | - | - | V _{CC} - 0.1 | - | V _{CC} - 0.11 | - | V |
| | | I _O = -1.1 mA; V _{CC} = 1.1 V | 0.75V _{CC} | - | - | 0.7V _{CC} | - | 0.6V _{CC} | - | V |
| | | I _O = -1.7 mA; V _{CC} = 1.4 V | 1.11 | - | - | 1.03 | - | 0.93 | - | V |
| | | I _O = -1.9 mA; V _{CC} = 1.65 V | 1.32 | - | - | 1.30 | - | 1.17 | - | V |
| | | I _O = -2.3 mA; V _{CC} = 2.3 V | 2.05 | - | - | 1.97 | - | 1.77 | - | V |
| | | I _O = -3.1 mA; V _{CC} = 2.3 V | 1.9 | - | - | 1.85 | - | 1.67 | - | V |
| | | I _O = -2.7 mA; V _{CC} = 3.0 V | 2.72 | - | - | 2.67 | - | 2.40 | - | V |
| | | I _O = -4.0 mA; V _{CC} = 3.0 V | 2.6 | - | - | 2.55 | - | 2.30 | - | V |
| V _{OL} | LOW-level | $V_{I} = V_{T+}$ or V_{T-} | | | | | | | | |
| | output voltage | I _O = 20 μA; V _{CC} = 0.8 V to 3.6 V | - | - | 0.1 | - | 0.1 | - | 0.11 | V |
| | | I _O = 1.1 mA; V _{CC} = 1.1 V | - | - | $0.3V_{CC}$ | - | $0.3V_{CC}$ | - | 0.33V _{CC} | V |
| | | I _O = 1.7 mA; V _{CC} = 1.4 V | - | - | 0.31 | - | 0.37 | - | 0.41 | V |
| | | I _O = 1.9 mA; V _{CC} = 1.65 V | - | - | 0.31 | - | 0.35 | - | 0.39 | V |
| | | I _O = 2.3 mA; V _{CC} = 2.3 V | - | - | 0.31 | - | 0.33 | - | 0.36 | V |
| | | I _O = 3.1 mA; V _{CC} = 2.3 V | - | - | 0.44 | - | 0.45 | - | 0.50 | V |
| | | I _O = 2.7 mA; V _{CC} = 3.0 V | - | - | 0.31 | - | 0.33 | - | 0.36 | V |
| | | I _O = 4.0 mA; V _{CC} = 3.0 V | - | - | 0.44 | - | 0.45 | - | 0.50 | V |

Low-power triple Schmitt trigger

| Symbol | Parameter | Conditions | | 25 °C | | -40 °C to | +85 °C | -40 °C to | +125 °C | Unit |
|-------------------|---|--|-----|-------|------|-----------|--------|-----------|---------|------|
| | | | Min | Тур | Max | Min | Max | Min | Max | |
| l _l | input leakage current | V _I = GND to 3.6 V; V _{CC} = 0 V to 3.6 V | - | - | ±0.1 | - | ±0.5 | - | ±0.75 | μA |
| I _{OFF} | power-off leakage current | $V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V}$ | - | - | ±0.2 | - | ±0.5 | - | ±0.75 | μA |
| ΔI _{OFF} | additional power-off leakage current | $V_1 \text{ or } V_0 = 0 \text{ V to } 3.6 \text{ V};$ $V_{CC} = 0 \text{ V to } 0.2 \text{ V}$ | - | - | ±0.2 | - | ±0.6 | - | ±0.75 | μA |
| I _{CC} | supply current | $V_{I} = GND \text{ or } V_{CC}; I_{O} = 0 \text{ A};$ $V_{CC} = 0.8 \text{ V to } 3.6 \text{ V}$ | - | - | 0.5 | - | 0.9 | - | 1.4 | μA |
| ΔI _{CC} | additional supply current | $V_{I} = V_{CC} - 0.6 \text{ V}; I_{O} = 0 \text{ A};$ $V_{CC} = 3.3 \text{ V}$ | - | - | 40 | - | 50 | - | 75 | μA |
| CI | input capacitance | $V_I = GND \text{ or } V_{CC};$ $V_{CC} = 0 \text{ V to } 3.6 \text{ V}$ | - | 1.1 | - | - | - | - | - | pF |
| Co | output capacitance | $V_{O} = GND; V_{CC} = 0 V$ | - | 1.7 | - | - | - | - | - | pF |

11. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 7

| Symbol | Parameter | Conditions | | 25 °C | | -40 °C t | o +85 °C | -40 °C to | o +125 °C | Unit |
|----------------------|-------------|------------------------------------|-----|---------|------|----------|----------|-----------|-----------|------|
| | | | Min | Typ [1] | Max | Min | Мах | Min | Max | |
| C _L = 5 p | F | | | | | | | | | |
| t _{pd} | propagation | nA to nY; see Fig. 6 [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 19.0 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 2.6 | 5.7 | 10.6 | 2.5 | 10.9 | 2.5 | 11.1 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.4 | 4.2 | 6.5 | 2.3 | 7.1 | 2.3 | 7.4 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.0 | 3.6 | 5.5 | 1.9 | 6.1 | 1.9 | 6.3 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 1.9 | 3.0 | 4.2 | 1.8 | 4.6 | 1.8 | 4.8 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 1.8 | 2.7 | 3.6 | 1.5 | 3.8 | 1.5 | 4.0 | ns |
| C _L = 10 | pF | | | | | | | | | |
| t _{pd} | propagation | nA to nY; see Fig. 6 [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 22.5 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 2.9 | 6.6 | 12.4 | 2.7 | 12.9 | 2.7 | 13.0 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 2.6 | 4.8 | 7.8 | 2.4 | 8.3 | 2.4 | 8.7 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.5 | 4.2 | 6.3 | 2.4 | 6.8 | 2.4 | 7.1 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.3 | 3.5 | 4.8 | 2.1 | 5.3 | 2.1 | 5.6 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.1 | 3.3 | 4.4 | 2.0 | 4.6 | 2.0 | 4.8 | ns |

Low-power triple Schmitt trigger

| Symbol | Parameter | Conditions | | 25 °C | | -40 °C t | o +85 °C | -40 °C to | o +125 °C | Unit |
|----------------------|-------------------------|---|-----|---------|------|----------|----------|-----------|-----------|--|
| | | | Min | Тур [1] | Max | Min | Мах | Min | Max | - |
| C _L = 15 | pF | | | | | | 1 | | 1 | 1 |
| t _{pd} | propagation | nA to nY; see Fig. 6 [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 26.0 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 3.2 | 7.4 | 14.1 | 3.1 | 14.7 | 3.1 | 14.9 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 3.1 | 5.4 | 8.7 | 2.8 | 9.5 | 2.8 | 9.9 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 2.7 | 4.7 | 7.1 | 2.7 | 7.8 | 2.7 | 8.2 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 2.6 | 4.0 | 5.6 | 2.5 | 6.0 | 2.5 | 6.3 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 2.5 | 3.7 | 4.9 | 2.2 | 5.2 | 2.2 | 5.5 | ns |
| C _L = 30 | pF | | | | | | | | | |
| t _{pd} | propagation | nA to nY; see Fig. 6 [2] | | | | | | | | |
| | delay | V _{CC} = 0.8 V | - | 36.3 | - | - | - | - | - | ns |
| | | V _{CC} = 1.1 V to 1.3 V | 3.9 | 9.7 | 19.0 | 3.7 | 19.8 | 3.7 | 20.1 | ns |
| | | V _{CC} = 1.4 V to 1.6 V | 3.5 | 7.0 | 11.2 | 3.6 | 12.4 | 3.6 | 13.0 | ns |
| | | V _{CC} = 1.65 V to 1.95 V | 3.5 | 6.0 | 9.2 | 3.4 | 10.1 | 3.4 | 10.7 | ns |
| | | V _{CC} = 2.3 V to 2.7 V | 3.4 | 5.1 | 7.0 | 3.2 | 7.5 | 3.2 | 7.9 | ns |
| | | V _{CC} = 3.0 V to 3.6 V | 3.3 | 4.8 | 6.2 | 3.1 | 7.1 | 3.1 | 7.5 | ns |
| C _L = 5 p | F, 10 pF, 15 p | F and 30 pF | | | | | | | | |
| C _{PD} | power | $f_i = 1 \text{ MHz}; V_I = \text{GND to } V_{\text{CC}}$ [3] | | | | | | | | |
| | dissipation capacitance | V _{CC} = 0.8 V | - | 2.5 | - | - | - | - | - | ns ns ns ns ns ns ns ns ns ns ns ns |
| | Capacitance | V _{CC} = 1.1 V to 1.3 V | - | 2.7 | - | - | - | - | - | pF |
| | | V _{CC} = 1.4 V to 1.6 V | - | 2.8 | - | - | - | - | - | pF |
| | | V _{CC} = 1.65 V to 1.95 V | - | 3.0 | - | - | - | - | - | pF |
| | | V _{CC} = 2.3 V to 2.7 V | - | 3.5 | - | - | - | - | - | pF |
| | | $V_{\rm CC}$ = 3.0 V to 3.6 V | - | 4.0 | - | - | - | - | - | pF |

[1] All typical values are measured at nominal V_{CC}.

[1] Funktypical values are measured at hommal 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). $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \Sigma(C_L \times V_{CC}^2 \times f_o)$ where: f_i = input frequency in MHz;

 $f_o = output frequency in MHz;$

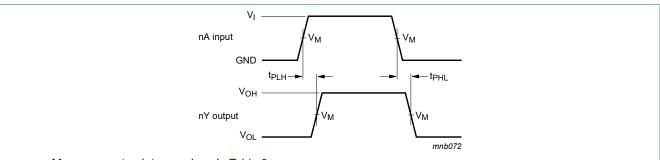
C_L = output load capacitance in pF;

 V_{CC} = supply voltage in V;

N = number of inputs switching;

 $\Sigma(C_L \times V_{CC}^2 \times f_o)$ = sum of the outputs.

11.1. Waveforms and test circuit



Measurement points are given in <u>Table 9</u>.

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

Fig. 6. The data input (nA) to output (nY) propagation delays

Table 9. Measurement points

| Supply voltage | Output | Input | | | | |
|-----------------|---------------------|---------------------------------|-----------------|----------|--|--|
| V _{cc} | V _M | V_{M} V_{I} $t_{r} = t_{f}$ | | | | |
| 0.8 V to 3.6 V | $0.5 \times V_{CC}$ | $0.5 \times V_{CC}$ | V _{CC} | ≤ 3.0 ns | | |

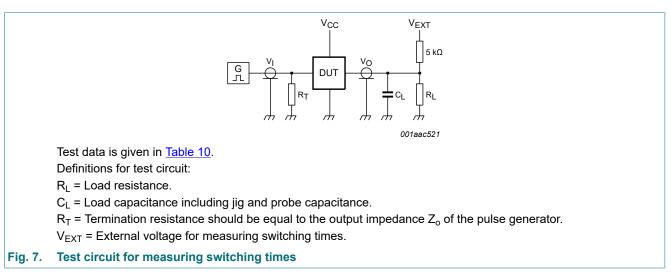


Table 10. Test data

| Supply voltage | Load | | V _{EXT} | | |
|-----------------|------------------------------|--------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| V _{cc} | CL | R _L [1] | t _{PLH} , t _{PHL} | t _{PZH} , t _{PHZ} | t _{PZL} , t _{PLZ} |
| 0.8 V to 3.6 V | 5 pF, 10 pF, 15 pF and 30 pF | 5 kΩ or 1 MΩ | open | GND | 2 × V _{CC} |

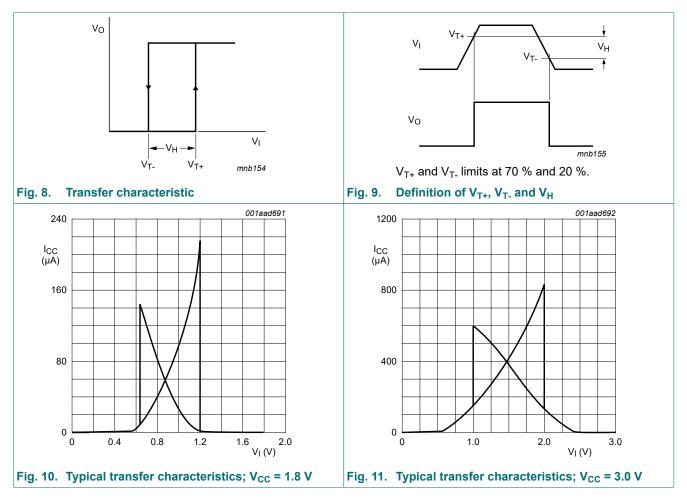
[1] For measuring enable and disable times $R_L = 5 k\Omega$. For measuring propagation delays, setup and hold times and pulse width $R_L = 1 M\Omega$.

12. Transfer characteristics

Table 11. Transfer characteristics

Voltages are referenced to GND (ground = 0 V; for test circuit see Figure 8.

| Symbol | Parameter | Conditions | | 25 °C | | -40 °C to +85 °C | | -40 °C to +125 °C | | Unit |
|-----------------|-------------------------------------|---|------|-------|------|------------------|------|-------------------|------|------|
| | | | Min | Тур | Max | Min | Max | Min | Max | |
| V _{T+} | positive-going threshold voltage | see <u>Fig. 8</u> and <u>Fig. 9</u> | | | | | | | | |
| | | V _{CC} = 0.8 V | 0.30 | - | 0.60 | 0.30 | 0.60 | 0.30 | 0.62 | V |
| | | V _{CC} = 1.1 V | 0.53 | - | 0.90 | 0.53 | 0.90 | 0.53 | 0.92 | V |
| | | V _{CC} = 1.4 V | 0.74 | - | 1.11 | 0.74 | 1.11 | 0.74 | 1.13 | V |
| | | V _{CC} = 1.65 V | 0.91 | - | 1.29 | 0.91 | 1.29 | 0.91 | 1.31 | V |
| | | V _{CC} = 2.3 V | 1.37 | - | 1.77 | 1.37 | 1.77 | 1.37 | 1.80 | V |
| | | V _{CC} = 3.0 V | 1.88 | - | 2.29 | 1.88 | 2.29 | 1.88 | 2.32 | V |
| V _{T-} | negative-going threshold voltage | see <u>Fig. 8</u> and <u>Fig. 9</u> | | | | | | | | |
| | | V _{CC} = 0.8 V | 0.10 | - | 0.60 | 0.10 | 0.60 | 0.10 | 0.60 | V |
| | | V _{CC} = 1.1 V | 0.26 | - | 0.65 | 0.26 | 0.65 | 0.26 | 0.65 | V |
| | | V _{CC} = 1.4 V | 0.39 | - | 0.75 | 0.39 | 0.75 | 0.39 | 0.75 | V |
| | | V _{CC} = 1.65 V | 0.47 | - | 0.84 | 0.47 | 0.84 | 0.47 | 0.84 | V |
| | | V _{CC} = 2.3 V | 0.69 | - | 1.04 | 0.69 | 1.04 | 0.69 | 1.04 | V |
| | | V _{CC} = 3.0 V | 0.88 | - | 1.24 | 0.88 | 1.24 | 0.88 | 1.24 | V |
| V _H | hysteresis voltage | (V _{T+} - V _{T-}); see <u>Fig. 8</u> , <u>Fig. 9</u> , <u>Fig. 10</u> and <u>Fig. 11</u> | | | | | | | | |
| | | V _{CC} = 0.8 V | 0.07 | - | 0.50 | 0.07 | 0.50 | 0.07 | 0.50 | V |
| | | V _{CC} = 1.1 V | 0.08 | - | 0.46 | 0.08 | 0.46 | 0.08 | 0.46 | V |
| | | V _{CC} = 1.4 V | 0.18 | - | 0.56 | 0.18 | 0.56 | 0.18 | 0.56 | V |
| | | V _{CC} = 1.65 V | 0.27 | - | 0.66 | 0.27 | 0.66 | 0.27 | 0.66 | V |
| | | V _{CC} = 2.3 V | 0.53 | - | 0.92 | 0.53 | 0.92 | 0.53 | 0.92 | V |
| | | V _{CC} = 3.0 V | 0.79 | - | 1.31 | 0.79 | 1.31 | 0.79 | 1.31 | V |



12.1. Waveforms transfer characteristics

13. Application information

The slow input rise and fall times cause additional power dissipation, this can be calculated using the following formula:

 $\mathsf{P}_{\mathsf{add}} = \mathsf{f}_{\mathsf{i}} \times (\mathsf{t}_{\mathsf{r}} \times \Delta \mathsf{I}_{\mathsf{CC}(\mathsf{AV})} + \mathsf{t}_{\mathsf{f}} \times \Delta \mathsf{I}_{\mathsf{CC}(\mathsf{AV})}) \times \mathsf{V}_{\mathsf{CC}} \text{ where:}$

 P_{add} = additional power dissipation (μ W);

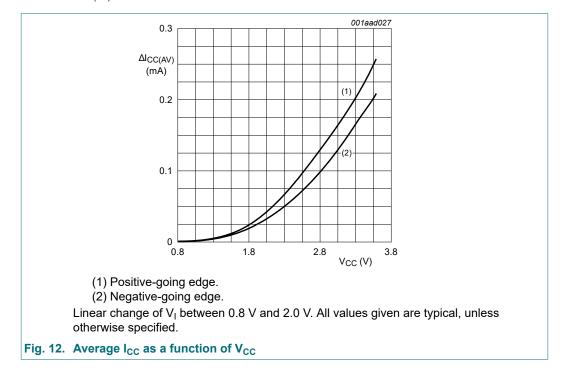
f_i = input frequency (MHz);

 t_r = input rise time (ns); 10 % to 90 %;

 t_f = input fall time (ns); 90 % to 10 %;

 $\Delta I_{CC(AV)}$ = average additional supply current (µA).

Average $\Delta I_{CC(AV)}$ differs with positive or negative input transitions, as shown in Fig. 12.



14. Package outline

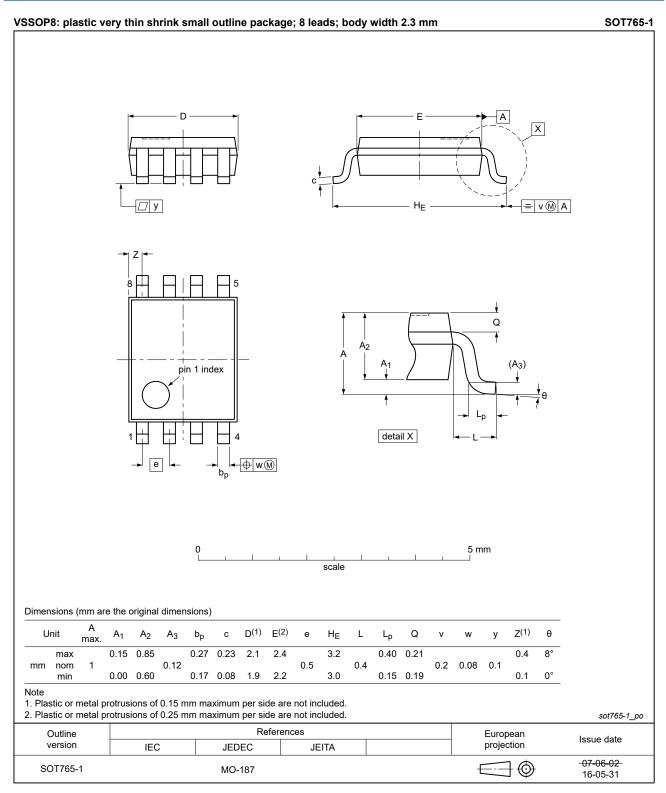


Fig. 13. Package outline SOT765-1 (VSSOP8)

Low-power triple Schmitt trigger

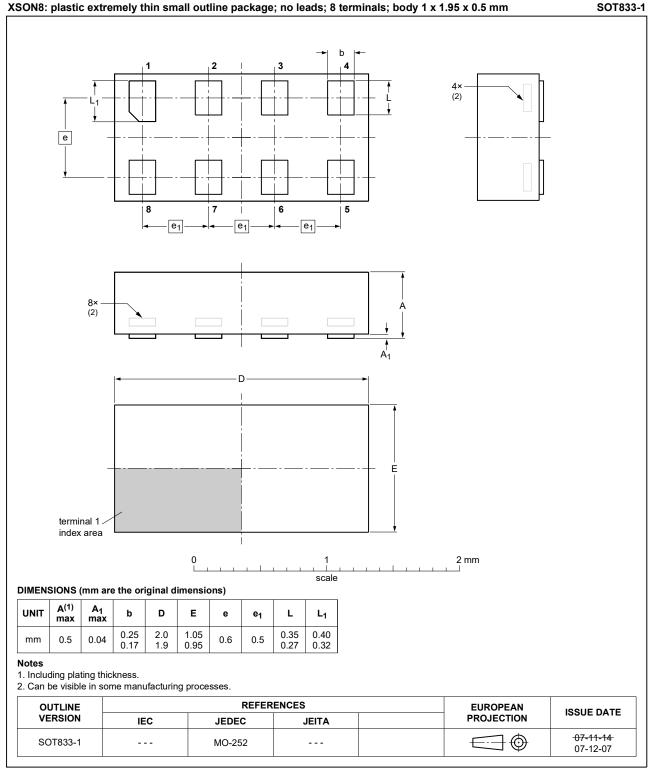


Fig. 14. Package outline SOT833-1 (XSON8)

Low-power triple Schmitt trigger

XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.2 x 1.0 x 0.35 mm

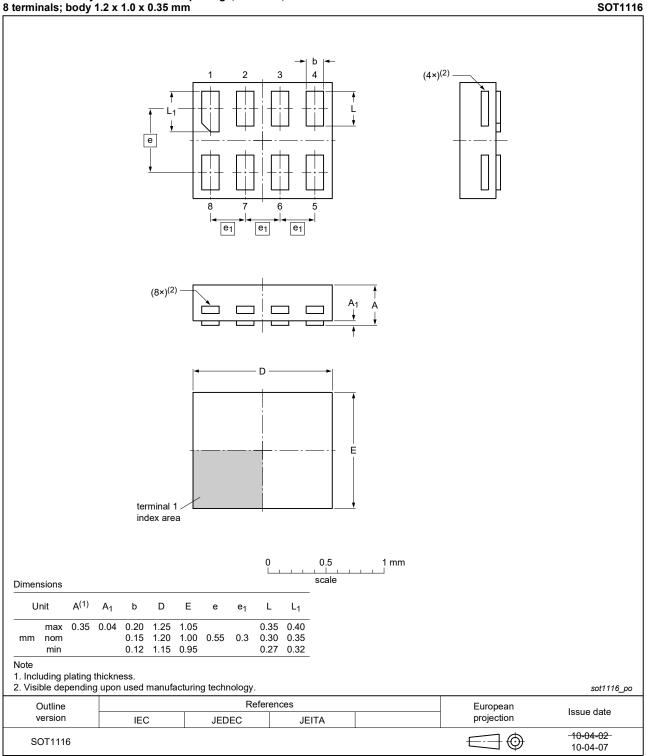


Fig. 15. Package outline SOT1116 (XSON8)

Low-power triple Schmitt trigger

XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.35 x 1.0 x 0.35 mm

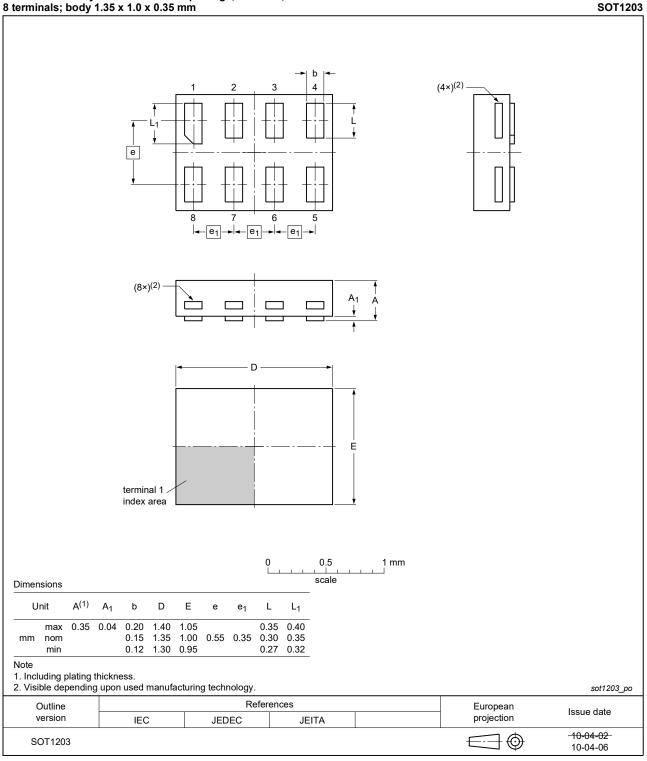


Fig. 16. Package outline SOT1203 (XSON8)

15. Abbreviations

| Table 12. Abbreviations | | | | |
|-------------------------|-------------------------|--|--|--|
| Acronym | Description | | | |
| CDM | Charged Device Model | | | |
| DUT | Device Under Test | | | |
| ESD | ElectroStatic Discharge | | | |
| HBM | Human Body Model | | | |
| MM | Machine Model | | | |

16. Revision history

Table 13. Revision history

| Document ID | Release date | Data sheet status | Change notice | Supersedes | | |
|----------------|---|--------------------|---------------|---------------|--|--|
| 74AUP3G17 v.3 | 20210209 | Product data sheet | - | 74AUP3G17 v.2 | | |
| Modifications: | 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. Type number 74AUP3G17GM (SOT902-2 / XQFN8) removed. Table 5: Derating values for P_{tot} total power dissipation updated. | | | | | |
| 74AUP3G17 v.2 | 20161012 | Product data sheet | - | 74AUP3G17 v.1 | | |
| Modifications: | Type numbers 74AUP3G17GD, and 74AUP3G17GF removed. | | | | | |
| 74AUP3G17 v.1 | 20151222 | Product data sheet | - | - | | |

74AUP3G17

17. 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. |

 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 <u>https://www.nexperia.com</u>.

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