2-channel analog multiplexer/demultiplexer Rev. 10 — 7 December 2016

Product data sheet

General description 1.

The 74LVC1G53 is a low-power, low-voltage, high-speed, Si-gate CMOS device.

The 74LVC1G53 provides one analog multiplexer/demultiplexer with a digital select input (S), two independent inputs/outputs (Y0 and Y1), a common input/output (Z) and an active LOW enable input (E). When pin E is HIGH, the switch is turned off.

Schmitt trigger action at the select and enable inputs makes the circuit tolerant of slower input rise and fall times across the entire V_{CC} range from 1.65 V to 5.5 V.

Features and benefits 2.

- Wide supply voltage range from 1.65 V to 5.5 V
- Very low ON resistance:
 - 7.5 Ω (typical) at V_{CC} = 2.7 V
 - 6.5 Ω (typical) at V_{CC} = 3.3 V
 - 6 Ω (typical) at V_{CC} = 5 V
- Switch current capability of 32 mA
- High noise immunity
- CMOS low power consumption
- TTL interface compatibility at 3.3 V
- Latch-up performance meets requirements of JESD 78 Class I
- ESD protection:
 - HBM JESD22-A114F exceeds 2000 V
 - MM JESD22-A115-A exceeds 200 V
 - CDM JESD22-C101E exceeds 1000 V
- Control inputs accept voltages up to 5 V
- Multiple package options
- Specified from -40 °C to +85 °C and from -40 °C to +125 °C



2-channel analog multiplexer/demultiplexer

3. Ordering information

Table 1.Ordering information

Type number	Package			
	Temperature range	Name	Description	Version
74LVC1G53DP	–40 °C to +125 °C	TSSOP8	plastic thin shrink small outline package; 8 leads; body width 3 mm; lead length 0.5 mm	SOT505-2
74LVC1G53DC	–40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads; body width 2.3 mm	SOT765-1
74LVC1G53GT	–40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body 1 \times 1.95 \times 0.5 mm	SOT833-1
74LVC1G53GF	–40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body $1.35 \times 1 \times 0.5$ mm	SOT1089
74LVC1G53GD	–40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body $3 \times 2 \times 0.5$ mm	SOT996-2
74LVC1G53GM	–40 °C to +125 °C	XQFN8	plastic, extremely thin quad flat package; no leads; 8 terminals; body $1.6 \times 1.6 \times 0.5$ mm	SOT902-2
74LVC1G53GN	–40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body $1.2 \times 1.0 \times 0.35$ mm	SOT1116
74LVC1G53GS	–40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body $1.35 \times 1.0 \times 0.35$ mm	SOT1203

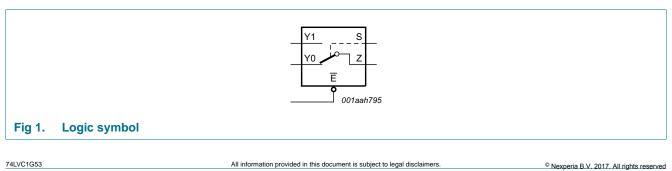
4. Marking

Table 2. Marking codes

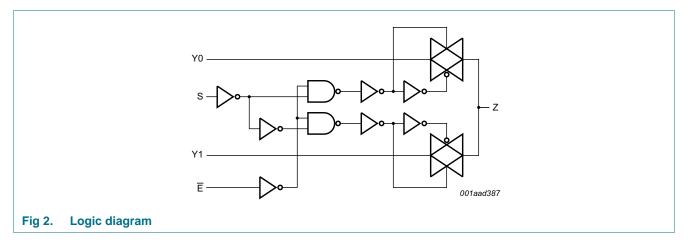
Type number	Marking code ^[1]
74LVC1G53DC	V53
74LVC1G53DP	V53
74LVC1G53GT	V53
74LVC1G53GF	V3
74LVC1G53GD	V53
74LVC1G53GM	V53
74LVC1G53GN	V3
74LVC1G53GS	V3

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

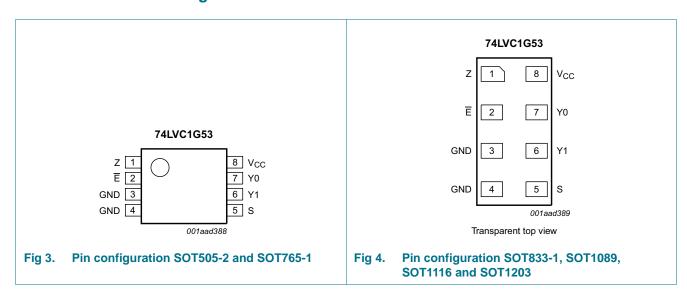
5. Functional diagram



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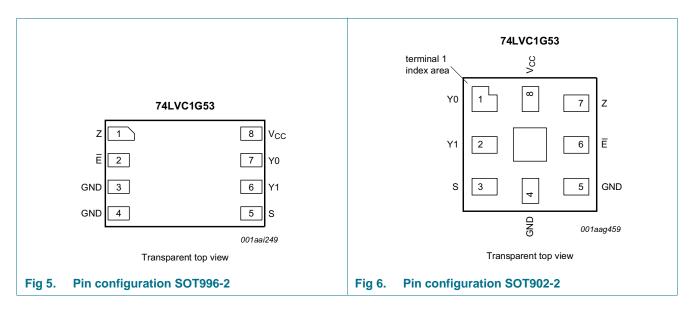


6. Pinning information



6.1 Pinning

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6.2 Pin description

Table 3.	Pin description		
Symbol	Pin		Description
	SOT505-2, SOT765-1, SOT833-1, SOT1089, SOT996-2, SOT1116 and SOT1203	SOT902-2	
Z	1	7	common output or input
Ē	2	6	enable input (active LOW)
GND	3	5	ground (0 V)
GND	4	4	ground (0 V)
S	5	3	select input
Y1	6	2	independent input or output
Y0	7	1	independent input or output
V _{CC}	8	8	supply voltage

7. Functional description

Table 4.Function table^[1]

Input		Channel on
S	E	
L	L	Y0 to Z or Z to Y0
н	L	Y1 to Z or Z to Y1
X	Н	Z (switch off)

[1] H = HIGH voltage level; L = LOW voltage level; X = don't care; Z = high-impedance OFF-state.

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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	Max	Unit
V _{CC}	supply voltage			-0.5	+6.5	V
VI	input voltage		<u>[1]</u>	-0.5	+6.5	V
I _{IK}	input clamping current	$V_{I} < -0.5 \text{ V or } V_{I} > V_{CC} + 0.5 \text{ V}$		-50	-	mA
I _{SK}	switch clamping current	$V_{I} < -0.5 \text{ V or } V_{I} > V_{CC} + 0.5 \text{ V}$		-	±50	mA
V _{SW}	switch voltage	enable and disable mode	[2]	-0.5	V _{CC} + 0.5	V
I _{SW}	switch current	V_{SW} > –0.5 V or V_{SW} < V_{CC} + 0.5 V		-	±50	mA
I _{CC}	supply current			-	100	mA
I _{GND}	ground current			-100	-	mA
T _{stg}	storage temperature			-65	+150	°C
P _{tot}	total power dissipation	$T_{amb} = -40 \ ^{\circ}C \ to \ +125 \ ^{\circ}C$	<u>[3]</u>	-	250	mW

[1] The minimum input voltage rating may be exceeded if the input current rating is observed.

[2] The minimum and maximum switch voltage ratings may be exceeded if the switch clamping current rating is observed.

[3] For TSSOP8 packages: above 55 °C the value of P_{tot} derates linearly with 2.5 mW/K.
 For VSSOP8 packages: above 110 °C the value of P_{tot} derates linearly with 8.0 mW/K.
 For XSON8 and XQFN8 packages: above 118 °C the value of P_{tot} derates linearly with 7.8 mW/K.

9. Recommended operating conditions

Table 6.Operating conditions

Symbol	Parameter	Conditions		Min	Max	Unit
V _{CC}	supply voltage			1.65	5.5	V
VI	input voltage			0	5.5	V
V _{SW}	switch voltage	enable and disable mode	<u>[1]</u>	0	V _{CC}	V
T _{amb}	ambient temperature			-40	+125	°C
Δt/ΔV	input transition rise and fall rate	V_{CC} = 1.65 V to 2.7 V	[2]	-	20	ns/V
		V_{CC} = 2.7 V to 5.5 V	[2]	-	10	ns/V

[1] To avoid sinking GND current from terminal Z when switch current flows in terminal Yn, the voltage drop across the bidirectional switch must not exceed 0.4 V. If the switch current flows into terminal Z, no GND current will flow from terminal Yn. In this case, there is no limit for the voltage drop across the switch.

[2] Applies to control signal levels.

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10. Static characteristics

Table 7. Static characteristics

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

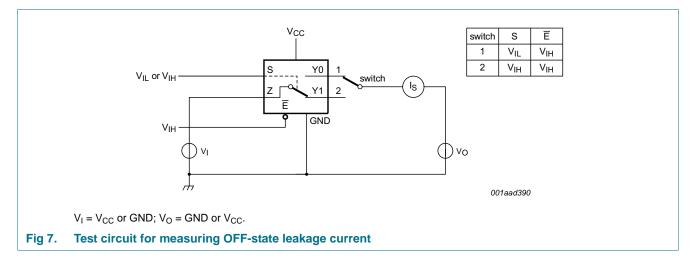
Symbol	Parameter	Conditions	T _{amb} = -	-40 °C te	o +85 °C	$T_{amb} = -40$ °	C to +125 °C	Unit
			Min	Typ[1]	Max	Min	Max	
VIH	HIGH-level	V _{CC} = 1.65 V to 1.95 V	$0.65 \times V_{CC}$	-	-	$0.65 imes V_{CC}$	-	V
	input voltage	V_{CC} = 2.3 V to 2.7 V	1.7	-	-	1.7	-	V
		V _{CC} = 3 V to 3.6 V	2.0	-	-	2.0	-	V
		V _{CC} = 4.5 V to 5.5 V	$0.7\times V_{CC}$	-	-	$0.7\times V_{CC}$	-	V
V _{IL}	LOW-level	V_{CC} = 1.65 V to 1.95 V	-	-	$0.35 \times V_{CC}$	-	$0.35 \times V_{CC}$	V
	input voltage	V_{CC} = 2.3 V to 2.7 V	-	-	0.7	-	0.7	V
		V _{CC} = 3 V to 3.6 V	-	-	0.8	-	0.8	V
		V _{CC} = 4.5 V to 5.5 V	-	-	$0.3 \times V_{CC}$	-	$0.3\times V_{CC}$	V
I	input leakage current	pin S and pin \overline{E} ; $V_I = 5.5 V \text{ or GND}$; $V_{CC} = 0 V \text{ to } 5.5 V$	2] -	±0.1	±1	-	±1	μA
I _{S(OFF)}	OFF-state leakage current	$V_{CC} = 5.5 V;$ see Figure 7	2] _	±0.1	±0.2	-	±0.5	μA
I _{S(ON)}	ON-state leakage current	$V_{CC} = 5.5 V;$ see Figure 8	-	±0.1	±1	-	±2	μA
I _{CC}	supply current		2] -	0.1	4	-	4	μA
Δl _{CC}	additional supply current	$ \begin{array}{l} \mbox{pin S and pin } \overline{E}; & \underline{E} \\ V_I = V_{CC} - 0.6 \ V; \\ V_{SW} = GND \ or \ V_{CC}; \\ V_{CC} = 5.5 \ V \\ \end{array} $	2] _	5	500	-	500	μA
CI	input capacitance		-	2.5	-	-	-	pF
$C_{S(OFF)}$	OFF-state capacitance		-	6.0	-	-	-	pF
C _{S(ON)}	ON-state capacitance		-	18	-	-	-	pF

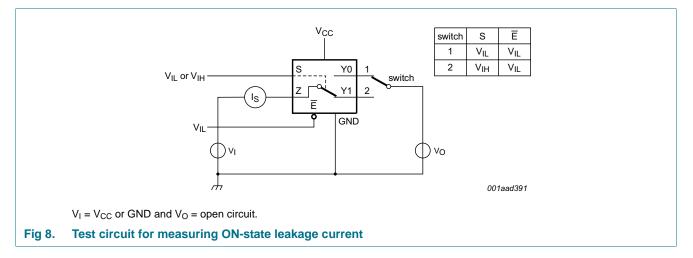
[1] Typical values are measured at T_{amb} = 25 °C.

[2] These typical values are measured at V_{CC} = 3.3 V.

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10.1 Test circuits





10.2 ON resistance

Table 8. ON resistance

At recommended operating conditions; voltages are referenced to GND (ground 0 V); for graphs see Figure 10 to Figure 15.

Symbol	Parameter	Conditions	-40	°C to +8	85 °C	–40 °C to	• +125 °C	Unit
			Min	Typ <mark>[1]</mark>	Max	Min	Max	
R _{ON(peak)}	ON resistance (peak)	$V_I = GND$ to V_{CC} ; see <u>Figure 9</u>						
		I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	34.0	130	-	195	Ω
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	12.0	30	-	45	Ω
		I_{SW} = 12 mA; V_{CC} = 2.7 V	-	10.4	25	-	38	Ω
		I_{SW} = 24 mA; V_{CC} = 3 V to 3.6 V	-	7.8	20	-	30	Ω
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	6.2	15	-	23	Ω

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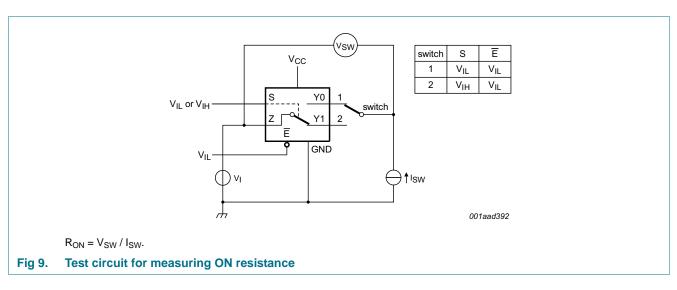
Symbol	Parameter	Conditions	-40	°C to +8	85 °C	–40 °C te	o +125 °C	Unit
			Min	Typ <mark>[1]</mark>	Max	Min	Max	
R _{ON(rail)}	ON resistance (rail)	V _I = GND; see <u>Figure 9</u>						
		I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	8.2	18	-	27	Ω
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	7.1	16	-	24	Ω
		I_{SW} = 12 mA; V_{CC} = 2.7 V	-	6.9	14	-	21	Ω
		I_{SW} = 24 mA; V_{CC} = 3 V to 3.6 V	-	6.5	12	-	18	Ω
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	5.8	10	-	15	Ω
		$V_{I} = V_{CC}$; see <u>Figure 9</u>						
		I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	10.4	30	-	45	Ω
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	7.6	20	-	30	Ω
		I_{SW} = 12 mA; V_{CC} = 2.7 V	-	7.0	18	-	27	Ω
		I_{SW} = 24 mA; V_{CC} = 3 V to 3.6 V	-	6.1	15	-	23	Ω
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	4.9	10	-	15	Ω
R _{ON(flat)}	ON resistance	$V_{I} = GND \text{ to } V_{CC}$ [2]						
	(flatness)	I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	26.0	-	-	-	Ω
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	5.0	-	-	-	Ω
		I_{SW} = 12 mA; V_{CC} = 2.7 V	-	3.5	-	-	-	Ω
		I_{SW} = 24 mA; V_{CC} = 3 V to 3.6 V	-	2.0	-	-	-	Ω
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	1.5	-	-	-	Ω

Table 8. ON resistance ...continued

At recommended operating conditions; voltages are referenced to GND (ground 0 V); for graphs see Figure 10 to Figure 15.

[1] Typical values are measured at $T_{amb} = 25 \text{ °C}$ and nominal V_{CC} .

[2] Flatness is defined as the difference between the maximum and minimum value of ON resistance measured at identical V_{CC} and temperature.



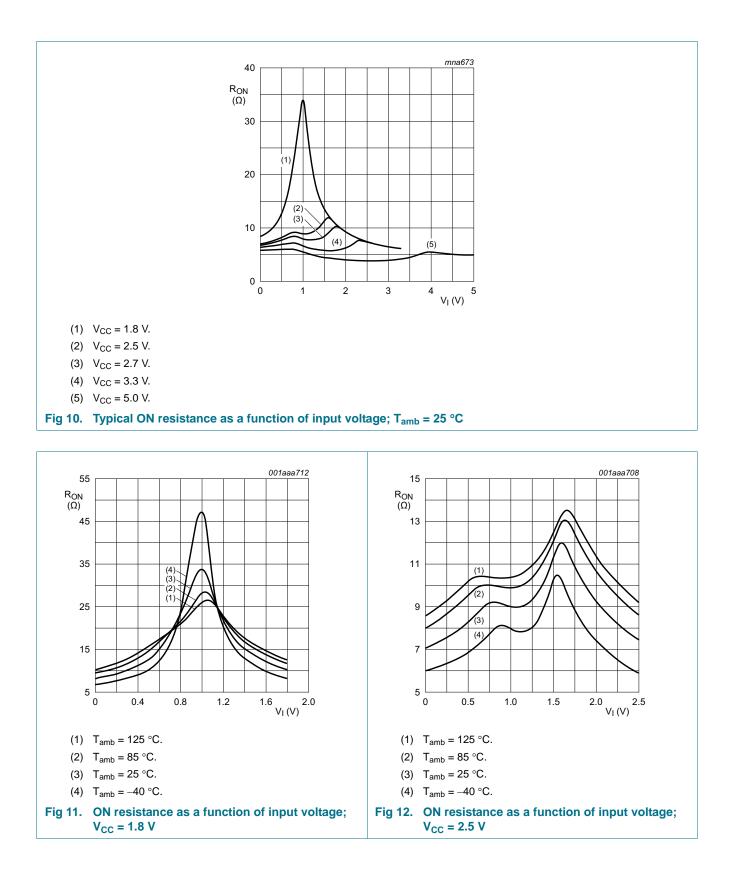
10.3 ON resistance test circuit and graphs

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Nexperia

74LVC1G53

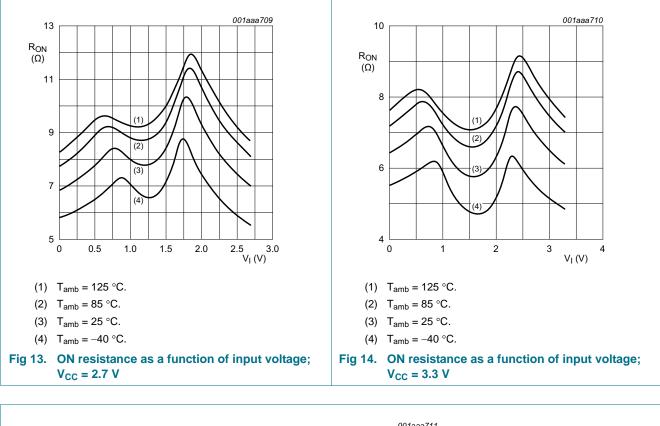
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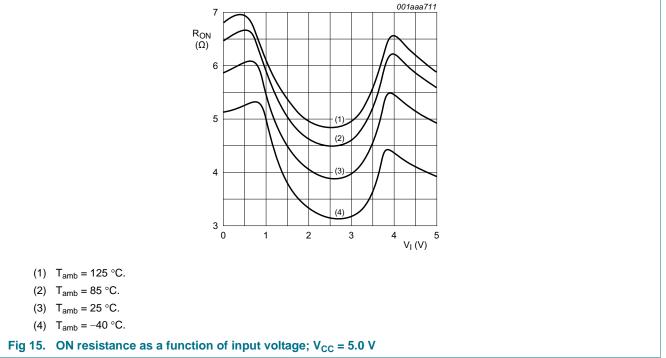


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2-channel analog multiplexer/demultiplexer

11. Dynamic characteristics

Table 9. Dynamic characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for load circuit see Figure 18.

Symbol	Parameter	Conditions	-40	°C to +8	5 °C	–40 °C to	o +125 ℃	Unit
			Min	Typ <mark>[1]</mark>	Max	Min	Max	
t _{pd}	propagation delay	Z to Yn or Yn to Z; see Figure 16 [2][3]						
		V _{CC} = 1.65 V to 1.95 V	-	-	2	-	2.5	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	-	1.2	-	1.5	ns
		V _{CC} = 2.7 V	-	-	1.0	-	1.25	ns
		V _{CC} = 3.0 V to 3.6 V	-	-	0.8	-	1.0	ns
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	-	-	0.6	-	0.8	ns
t _{en}	enable time	S to Z or Yn; see Figure 17 [4]						
		V _{CC} = 1.65 V to 1.95 V	2.6	6.7	10.3	2.6	12.9	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	1.9	4.1	6.4	1.9	8.0	ns
		V _{CC} = 2.7 V	1.9	4.0	5.5	1.8	7.0	ns
		V _{CC} = 3.0 V to 3.6 V	1.8	3.4	5.0	1.8	6.3	ns
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	1.3	2.6	3.8	1.3	4.8	ns
		E to Z or Yn; see Figure 17 [4]						
		V _{CC} = 1.65 V to 1.95 V	1.9	4.0	7.3	1.9	9.2	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	1.4	2.5	4.4	1.4	5.5	ns
		V _{CC} = 2.7 V	1.1	2.6	3.9	1.1	4.9	ns
		V _{CC} = 3.0 V to 3.6 V	1.2	2.2	3.8	1.2	4.8	ns
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	1.0	1.7	2.6	1.0	3.3	ns
t _{dis}	disable time	S to Z or Yn; see Figure 17 [5]						
		V _{CC} = 1.65 V to 1.95 V	2.1	6.8	10.0	2.1	12.5	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	1.4	3.7	6.1	1.4	7.7	ns
		V _{CC} = 2.7 V	1.4	4.9	6.2	1.4	7.8	Image: Nicol Instant Image: Nicol Instant
		V _{CC} = 3.0 V to 3.6 V	1.1	4.0	5.4	1.1	6.8	ns
		$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	1.0	2.9	3.8	1.0	4.8	ns
		E to Z or Yn; see Figure 17[5]						
		V _{CC} = 1.65 V to 1.95 V	2.3	5.6	8.6	2.3	11.0	ns
		V_{CC} = 2.3 V to 2.7 V	1.2	3.2	4.8	1.2	6.0	ns
		V _{CC} = 2.7 V	1.4	4.0	5.2	1.4	6.5	ns
		V _{CC} = 3.0 V to 3.6 V	2.0	3.7	5.0	2.0	6.3	ns
		$V_{CC} = 4.5 \text{ V} \text{ to } 5.5 \text{ V}$	1.3	2.9	3.8	1.3	4.8	ns

[1] Typical values are measured at T_{amb} = 25 °C and nominal V_{CC}.

[2] t_{pd} is the same as t_{PLH} and t_{PHL} .

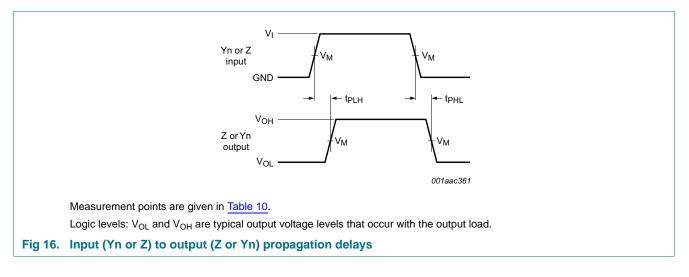
[3] Propagation delay is the calculated RC time constant of the typical ON resistance of the switch and the specified capacitance when driven by an ideal voltage source (zero output impedance).

 $\label{eq:tensor} [4] \quad t_{en} \text{ is the same as } t_{PZH} \text{ and } t_{PZL}.$

[5] t_{dis} is the same as t_{PLZ} and t_{PHZ} .

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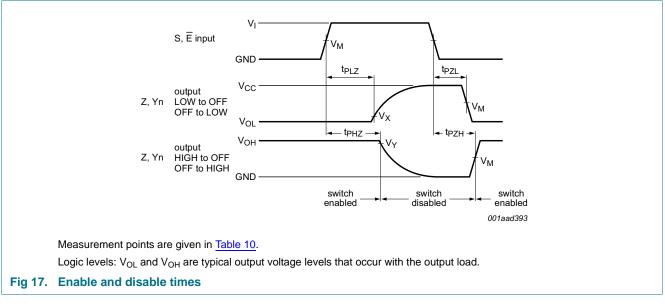
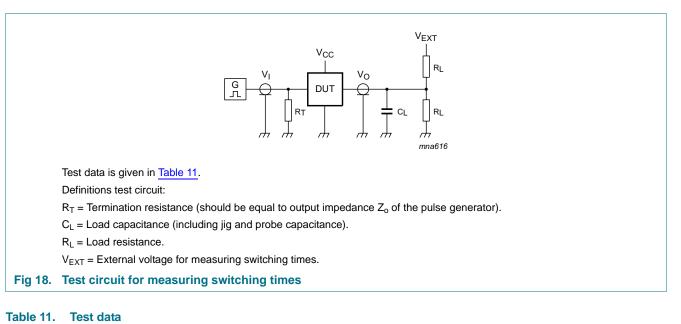


Table 10. Measurement points

Supply voltage	Input	Output		
V _{CC}	V _M	V _M	V _X	V _Y
1.65 V to 2.7 V	$0.5 imes V_{CC}$	$0.5 imes V_{CC}$	V _{OL} + 0.15 V	V _{OH} – 0.15 V
2.7 V to 5.5 V	$0.5 imes V_{CC}$	$0.5 imes V_{CC}$	V _{OL} + 0.3 V	V _{OH} – 0.3 V

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Supply voltage	Input		Load	Load		V _{EXT}		
V _{cc}	VI	t _r , t _f	CL	R _L t _{PLH} , t _{PH}		t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}	
1.65 V to 1.95 V	V _{CC}	\leq 2.0 ns	30 pF	1 kΩ	open	GND	$2 \times V_{CC}$	
2.3 V to 2.7 V	V _{CC}	\leq 2.0 ns	30 pF	500 Ω	open	GND	$2 \times V_{CC}$	
2.7 V	V _{CC}	≤ 2.5 ns	50 pF	500 Ω	open	GND	$2 \times V_{CC}$	
3 V to 3.6 V	V _{CC}	≤ 2.5 ns	50 pF	500 Ω	open	GND	$2 \times V_{CC}$	
4.5 V to 5.5 V	V _{CC}	≤ 2.5 ns	50 pF	500 Ω	open	GND	$2 \times V_{CC}$	

11.2 Additional dynamic characteristics

Table 12. Additional dynamic characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); T_{amb} = 25 °C.

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
THD	total harmonic distortion	$ f_i = 600 \; Hz \; to \; 20 \; kHz; \; R_L = 600 \; \Omega; \\ C_L = 50 \; pF; \; V_I = 0.5 \; V \; (p-p); \; see \; \underline{Figure \; 19} $				
		V _{CC} = 1.65 V	-	0.260	-	%
		$V_{CC} = 2.3 V$	-	0.078	-	%
		V _{CC} = 3.0 V	-	0.078	-	%
		$V_{CC} = 4.5 V$	-	0.078	-	%
f _(-3dB)	-3 dB frequency response	$R_L = 50 \Omega; C_L = 5 pF; see Figure 20$				
		V _{CC} = 1.65 V	-	200	-	MHz
		$V_{CC} = 2.3 V$	-	300	-	MHz
		V _{CC} = 3.0 V	-	300	-	MHz
		$V_{CC} = 4.5 V$	-	300	-	MHz

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Symbol	Parameter	Conditions	Min	Тур	Max	Unit
α _{iso}	isolation (OFF-state)	R_L = 50 Ω; C_L = 5 pF; f_i = 10 MHz; see <u>Figure 21</u>				
		V _{CC} = 1.65 V	-	-42	-	dB
		$V_{CC} = 2.3 V$	-	-42	-	dB
		V _{CC} = 3.0 V	-	-40	-	dB
		V _{CC} = 4.5 V	-	-40	-	dB
Q _{inj}	charge injection	$C_L = 0.1 \text{ nF}; V_{gen} = 0 \text{ V}; R_{gen} = 0 \Omega;$ $f_i = 1 \text{ MHz}; R_L = 1 \text{ M}\Omega; \text{ see } \frac{\text{Figure 22}}{10000000000000000000000000000000000$				
		V _{CC} = 1.8 V	-	3.3	-	рС
		V _{CC} = 2.5 V	-	4.1	-	рС
		V _{CC} = 3.3 V	-	5.0	-	рС
		$V_{CC} = 4.5 V$	-	6.4	-	рС
		V _{CC} = 5.5 V	-	7.5	-	рС

Table 12. Additional dynamic characteristics ...continued

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); T_{amb} = 25 °C.

11.3 Test circuits

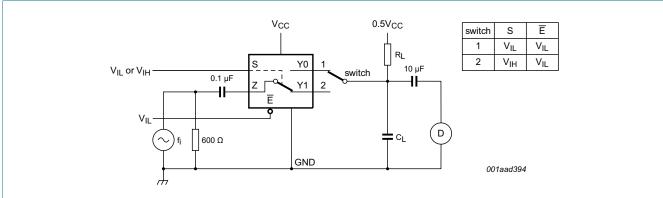
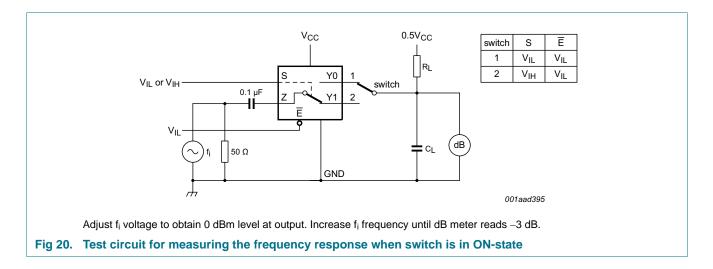


Fig 19. Test circuit for measuring total harmonic distortion

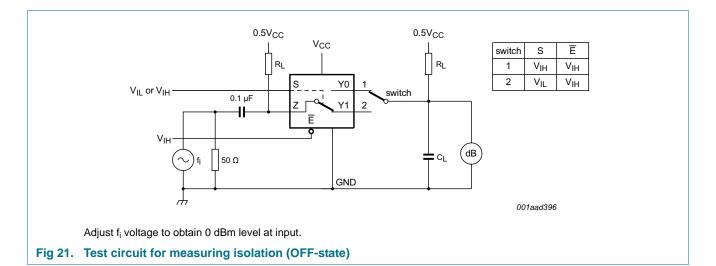


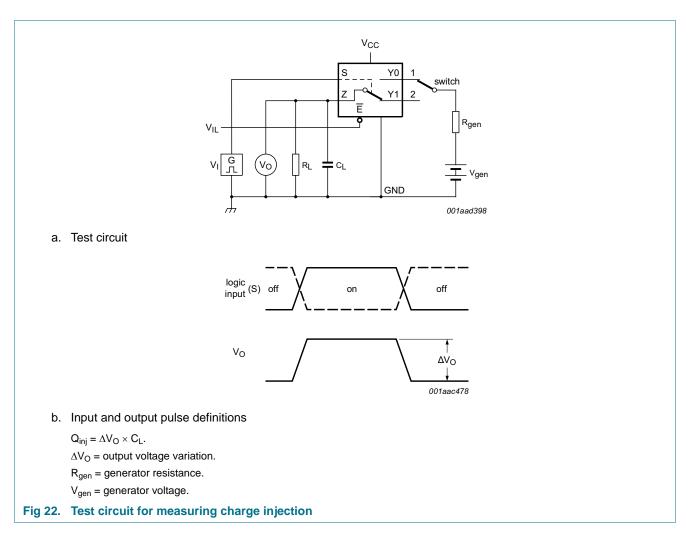
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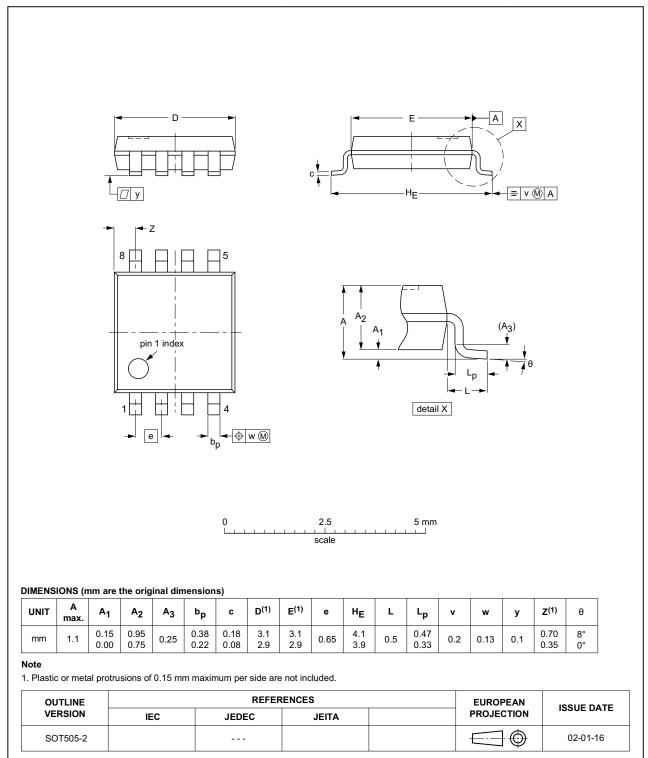
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12. Package outline



TSSOP8: plastic thin shrink small outline package; 8 leads; body width 3 mm; lead length 0.5 mm SOT505-2

Fig 23. Package outline SOT505-2 (TSSOP8)

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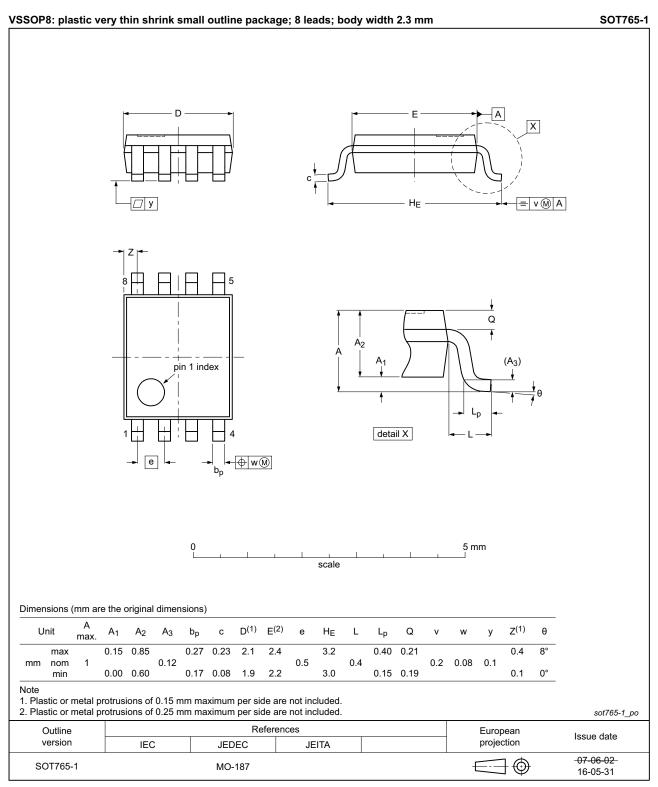


Fig 24. Package outline SOT765-1 (VSSOP8)

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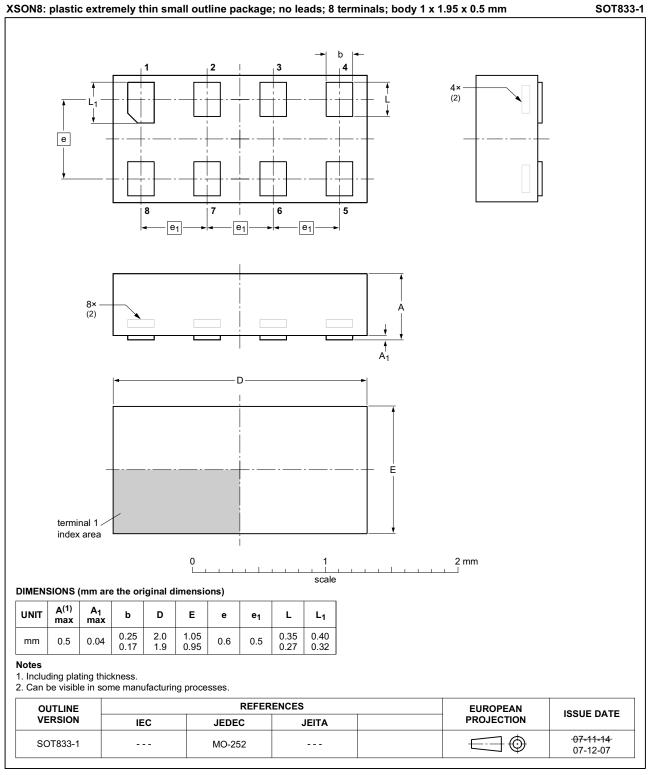
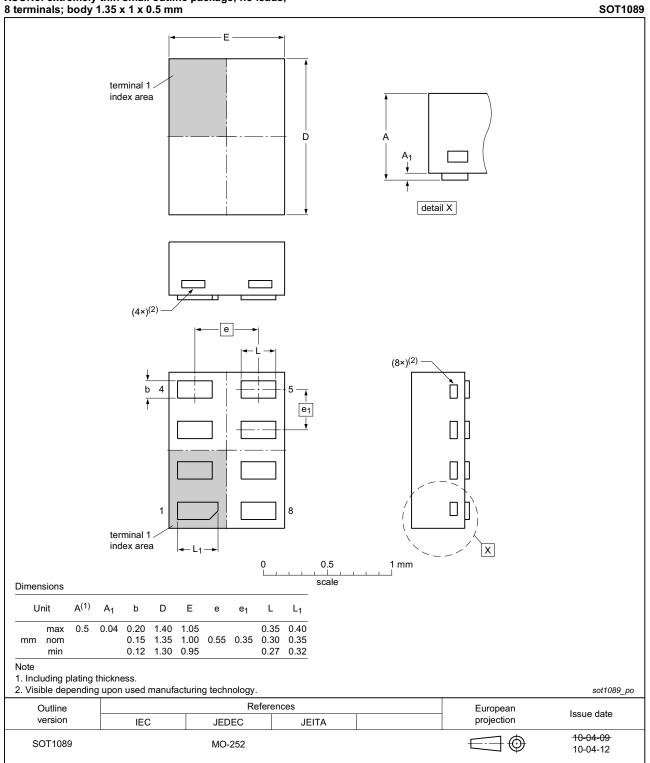


Fig 25. Package outline SOT833-1 (XSON8)

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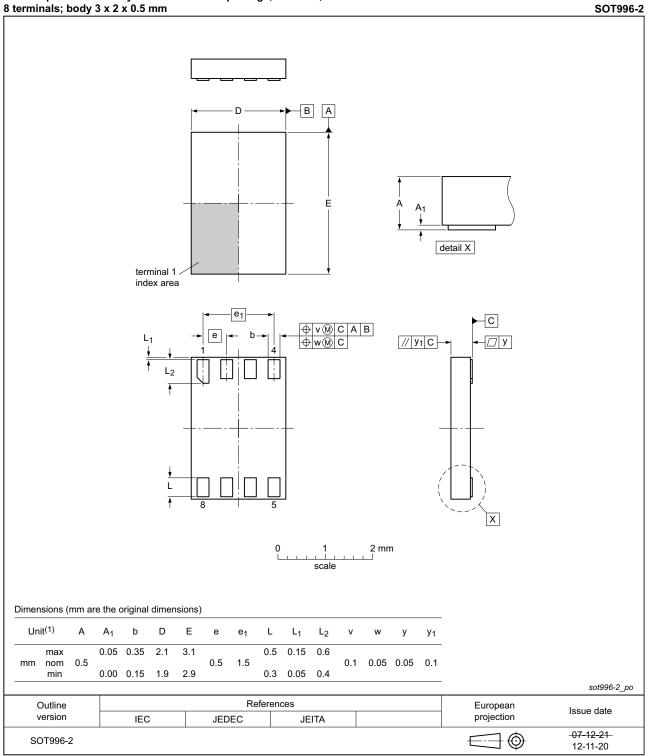


XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.35 x 1 x 0.5 mm

Fig 26. Package outline SOT1089 (XSON8)

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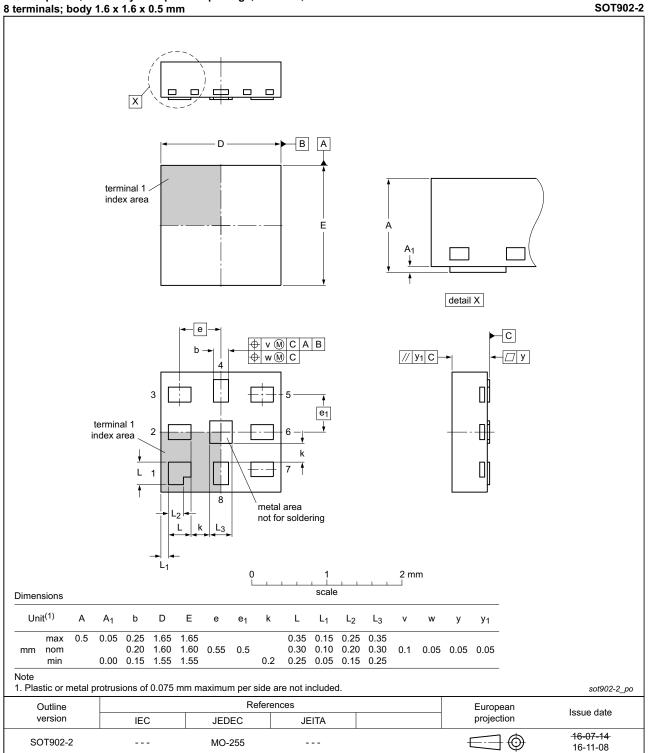


XSON8: plastic extremely thin small outline package; no leads; 8 terminals: body 3 x 2 x 0.5 mm

Fig 27. Package outline SOT996-2 (XSON8)

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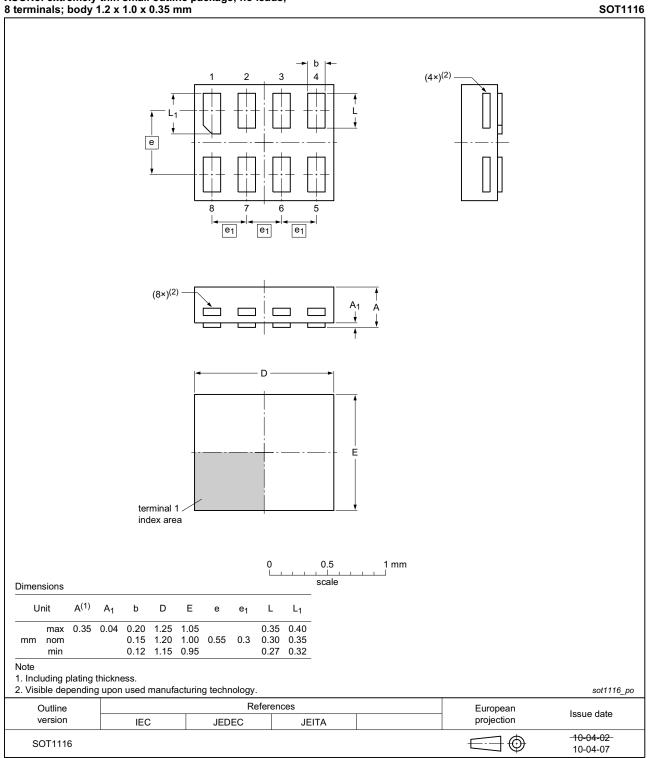


XQFN8: plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 x 1.6 x 0.5 mm

Fig 28. Package outline SOT902-2 (XQFN8)

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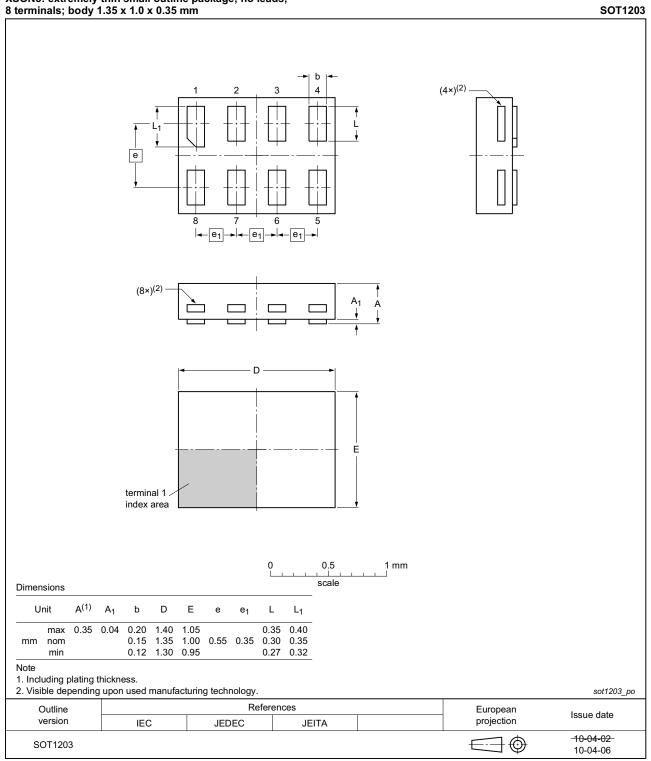


XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.2 x 1.0 x 0.35 mm

Fig 29. Package outline SOT1116 (XSON8)

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

Fig 30. Package outline SOT1203 (XSON8)

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13. Abbreviations

Table 13. Abbreviations				
Acronym	Description			
CMOS	Complementary Metal-Oxide Semiconductor			
TTL	Transistor-Transistor Logic			
HBM	Human Body Model			
ESD	ElectroStatic Discharge			
MM	Machine Model			
CDM	Charged Device Model			
DUT	Device Under Test			

14. Revision history

Table 14. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes		
74LVC1G53 v.10	20161207	Product data sheet	-	74LVC1G53 v.9		
Modifications:	• <u>Table 7</u> : The maximum limits for leakage current and supply current have changed.					
74LVC1G53 v.9	20130405	Product data sheet	-	74LVC1G53 v.8		
Modifications:	 For type num 	For type number 74LVC1G53GD XSON8U has changed to XSON8.				
74LVC1G53 v.8	20120622	Product data sheet	-	74LVC1G53 v.7		
Modifications:	• For type number 74LVC1G53GM the SOT code has changed to SOT902-2.					
74LVC1G53 v.7	20111206	Product data sheet	-	74LVC1G53 v.6		
Modifications:	Legal pages	updated.				
74LVC1G53 v.6	20100621	Product data sheet	-	74LVC1G53 v.5		
74LVC1G53 v.5	20080611	Product data sheet	-	74LVC1G53 v.4		
74LVC1G53 v.4	20080303	Product data sheet	-	74LVC1G53 v.3		
74LVC1G53 v.3	20070829	Product data sheet	-	74LVC1G53 v.2		
74LVC1G53 v.2	20060410	Product data sheet	-	74LVC1G53 v.1		
74LVC1G53 v.1	20060110	Product data sheet	-	-		

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15. Legal information

15.1 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 URL http://www.nexperia.com.

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