# **NX3L1G53**

# Low-ohmic single-pole double-throw analog switch

Rev. 7.1 — 15 November 2016

Product data sheet

### 1. General description

The NX3L1G53 is a low-ohmic single-pole double-throw analog switch suitable for use as an analog or digital 2:1 multiplexer/demultiplexer. It has a digital select input (S), two independent inputs/outputs (Y0 and Y1), a common input/output (Z) and an active LOW enable input ( $\overline{E}$ ). When pin  $\overline{E}$  is HIGH, the switch is turned off. Schmitt trigger action at the digital inputs makes the circuit tolerant to slower input rise and fall times.

The NX3L1G53 allows signals with amplitude up to  $V_{CC}$  to be transmitted from Z to Y0 or Y1; or from Y0 or Y1 to Z. Its low ON resistance (0.5  $\Omega$ ) and flatness (0.13  $\Omega$ ) ensures minimal attenuation and distortion of transmitted signals.

#### 2. Features and benefits

- Wide supply voltage range from 1.4 V to 4.3 V
- Very low ON resistance (peak):
  - 1.6  $\Omega$  (typical) at  $V_{CC} = 1.4 \text{ V}$
  - 1.0 Ω (typical) at V<sub>CC</sub> = 1.65 V
  - 0.55 Ω (typical) at V<sub>CC</sub> = 2.3 V
  - 0.50 Ω (typical) at V<sub>CC</sub> = 2.7 V
  - 0.50 Ω (typical) at V<sub>CC</sub> = 4.3 V
- Break-before-make switching
- High noise immunity
- ESD protection:
  - ◆ HBM JESD22-A114F Class 3A exceeds 7500 V
  - MM JESD22-A115-A exceeds 200 V
  - ◆ CDM AEC-Q100-011 revision B exceeds 1000 V
  - ◆ IEC61000-4-2 contact discharge exceeds 8000 V for switch ports
- CMOS low-power consumption
- Latch-up performance exceeds 100 mA per JESD 78 Class II Level A
- Direct interface with TTL levels at 3.0 V
- Control input accepts voltages above supply voltage
- High current handling capability (350 mA continuous current under 3.3 V supply)
- Specified from -40 °C to +85 °C and from -40 °C to +125 °C



#### Low-ohmic single-pole double-throw analog switch

# 3. Applications

- Cell phone
- PDA
- Portable media player

# 4. Ordering information

Table 1. Ordering information

Type number	Package	Package							
	Temperature range	Name	Description	Version					
NX3L1G53GT	–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					
NX3L1G53GD	–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					
NX3L1G53GM	–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					

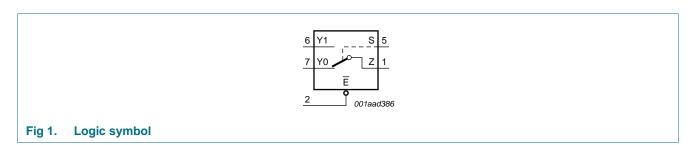
## 5. Marking

Table 2. Marking codes[1]

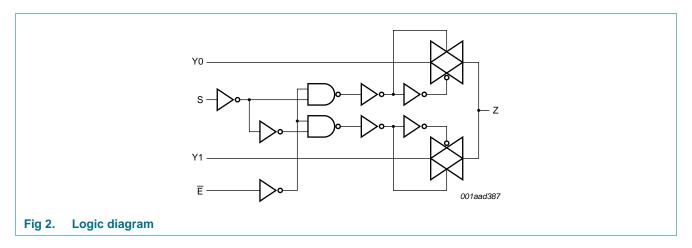
Type number	Marking code
NX3L1G53GT	D53
NX3L1G53GD	D53
NX3L1G53GM	D53

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

# 6. Functional diagram

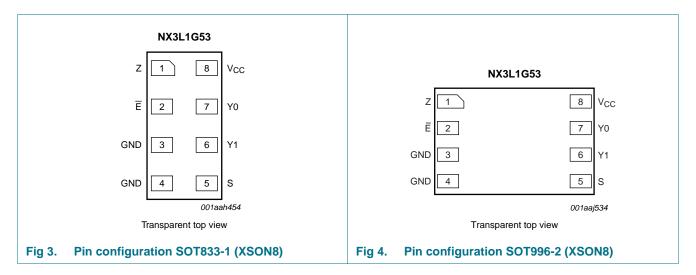


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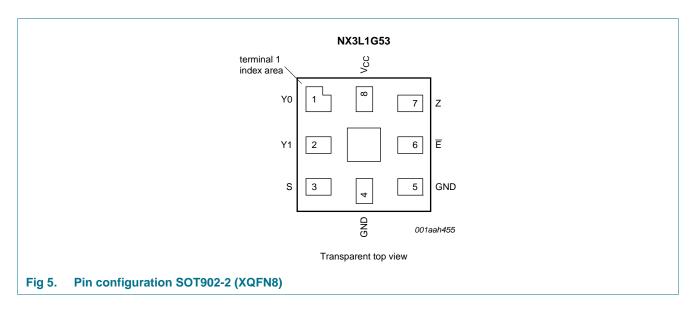


# 7. Pinning information

### 7.1 Pinning



#### Low-ohmic single-pole double-throw analog switch



### 7.2 Pin description

Table 3. Pin description

Symbol	Pin		Description		
	SOT833-1 and SOT996-2	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		

# 8. Functional description

Table 4. Function table[1]

Input		Channel
S	E	
L	L	Y0 to Z or Z to Y0
Н	L	Y1 to Z or Z to Y1
X	Н	switch off

<sup>[1]</sup> H = HIGH voltage level; L = LOW voltage level; X = don't care.

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## 9. 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	+4.6	V
$V_{I}$	input voltage	select input S and enable input $\overline{E}$	<u>[1]</u> –0.5	+4.6	V
$V_{SW}$	switch voltage		<u>[2]</u> –0.5	$V_{CC} + 0.5$	V
I <sub>IK</sub>	input clamping current	$V_1 < -0.5 \text{ V}$	-50	-	mA
I <sub>SK</sub>	switch clamping current	$V_{I} < -0.5 \text{ V or } V_{I} > V_{CC} + 0.5 \text{ V}$	-	±50	mΑ
I <sub>SW</sub>	switch current	$V_{SW} > -0.5 \text{ V or } V_{SW} < V_{CC} + 0.5 \text{ V};$ source or sink current	-	±350	mA
		$V_{SW} > -0.5$ V or $V_{SW} < V_{CC} + 0.5$ V; pulsed at 1 ms duration, < 10 % duty cycle; peak current	-	±500	mA
T <sub>stg</sub>	storage temperature		<b>–65</b>	+150	°C
P <sub>tot</sub>	total power dissipation	$T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$	[3] _	250	mW

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

# 10. Recommended operating conditions

Table 6. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Max	Unit
$V_{CC}$	supply voltage		1.4	4.3	V
VI	input voltage	select input S and enable input $\overline{E}$	0	4.3	V
$V_{SW}$	switch voltage		<u>[1]</u> 0	$V_{CC}$	V
T <sub>amb</sub>	ambient temperature		-40	+125	°C
Δt/ΔV	input transition rise and fall rate	$V_{CC} = 1.4 \text{ V to } 4.3 \text{ V}$	[2] -	200	ns/V

<sup>[1]</sup> 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.

<sup>[2]</sup> The minimum and maximum switch voltage ratings may be exceeded if the switch clamping current rating is observed but may not exceed 4.6 V.

<sup>[3]</sup> For XSON8 and XQFN8 packages: above 118 °C the value of Ptot derates linearly with 7.8 mW/K.

<sup>[2]</sup> Applies to control signals.

#### Low-ohmic single-pole double-throw analog switch

## 11. Static characteristics

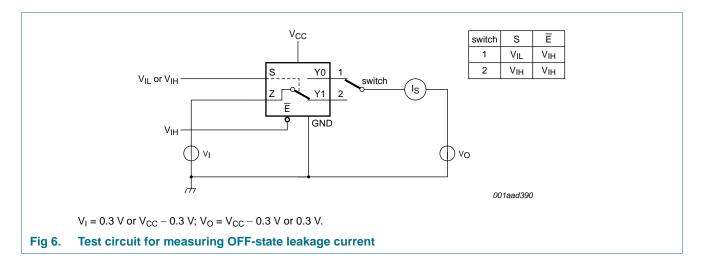
Table 7. Static characteristics

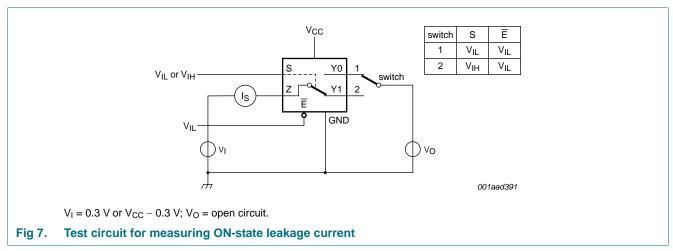
At recommended operating conditions; voltages are referenced to GND (ground 0 V).

Symbol	Parameter	Conditions		25 °C		–40 °C to +125 °C			Unit
			Min	Тур	Max	Min	Max (85 °C)	Max (125 °C)	
$V_{IH}$	HIGH-level	V <sub>CC</sub> = 1.4 V to 1.95 V	0.65V <sub>CC</sub>	-	-	$0.65V_{CC}$	-	-	V
	input voltage	V <sub>CC</sub> = 2.3 V to 2.7 V	1.7	-	-	1.7	-	-	V
		V <sub>CC</sub> = 2.7 V to 3.6 V	2.0	-	-	2.0	-	-	V
		V <sub>CC</sub> = 3.6 V to 4.3 V	$0.7V_{CC}$	-	-	$0.7V_{CC}$	-	-	V
$V_{IL}$	LOW-level	V <sub>CC</sub> = 1.4 V to 1.95 V	-	-	$0.35V_{\rm CC}$	-	$0.35V_{\rm CC}$	$0.35V_{\rm CC}$	V
	input voltage	V <sub>CC</sub> = 2.3 V to 2.7 V	-	-	0.7	-	0.7	0.7	V
		V <sub>CC</sub> = 2.7 V to 3.6 V	-	-	0.8	-	0.8	0.8	V
		V <sub>CC</sub> = 3.6 V to 4.3 V	-	-	$0.3V_{CC}$	-	$0.3V_{CC}$	$0.3V_{CC}$	V
I	input leakage current	select input S and enable input $\overline{E}$ ; $V_I = GND$ to 4.3 V; $V_{CC} = 1.4 \text{ V}$ to 4.3 V	-	-	-	-	±0.5	±1	μΑ
I <sub>S(OFF)</sub>	OFF-state leakage	Y0 and Y1 port; see Figure 6							
	current	$V_{CC} = 1.4 \text{ V to } 3.6 \text{ V}$	-	-	±5	-	±50	±500	nΑ
		$V_{CC} = 3.6 \text{ V to } 4.3 \text{ V}$	-	-	±10	-	±50	±500	nΑ
I <sub>S(ON)</sub>	ON-state	Z port; see Figure 7							
	leakage current	$V_{CC} = 1.4 \text{ V to } 3.6 \text{ V}$	-	-	±5	-	±50	±500	nΑ
	Current	$V_{CC} = 3.6 \text{ V to } 4.3 \text{ V}$	-	-	±10	-	±50	±500	nΑ
I <sub>CC</sub>	supply current	$V_I = V_{CC}$ or GND; $V_{SW} = GND$ or $V_{CC}$							
		V <sub>CC</sub> = 3.6 V	-	-	100	-	690	6000	nΑ
		V <sub>CC</sub> = 4.3 V	-	-	150	-	800	7000	nΑ
C <sub>I</sub>	input capacitance		-	1.0	-	-	-	-	pF
C <sub>S(OFF)</sub>	OFF-state capacitance		-	35	-	-	-	-	pF
C <sub>S(ON)</sub>	ON-state capacitance		-	130	-	-	-	-	pF

#### Low-ohmic single-pole double-throw analog switch

#### 11.1 Test circuits





#### Low-ohmic single-pole double-throw analog switch

#### 11.2 ON resistance

Table 8. ON resistance

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for graphs see Figure 9 to Figure 15.

Symbol	Parameter	Conditions		–40 °C to +85 °C			-40 °C to +125 °C		Unit
				Min	Typ[1]	Max	Min	Max	
R <sub>ON(peak)</sub>	ON resistance (peak)	$V_I$ = GND to $V_{CC}$ ; $I_{SW}$ = 100 mA; see <u>Figure 8</u>							
		$V_{CC} = 1.4 \text{ V}$		-	1.6	3.7	-	4.1	Ω
		V <sub>CC</sub> = 1.65 V		-	1.0	1.6	-	1.7	Ω
		V <sub>CC</sub> = 2.3 V		-	0.55	0.8	-	0.9	Ω
		V <sub>CC</sub> = 2.7 V		-	0.5	0.75	-	0.9	Ω
		$V_{CC} = 4.3 \text{ V}$		-	0.5	0.75	-	0.9	Ω
$\Delta R_{ON}$	ON resistance mismatch between channels	$V_I = GND \text{ to } V_{CC};$ $I_{SW} = 100 \text{ mA}$	[2]						
		V <sub>CC</sub> = 1.4 V		-	0.04	0.3	-	0.3	Ω
		V <sub>CC</sub> = 1.65 V		-	0.04	0.2	-	0.3	Ω
		V <sub>CC</sub> = 2.3 V		-	0.02	0.08	-	0.1	Ω
		V <sub>CC</sub> = 2.7 V		-	0.02	0.075	-	0.1	Ω
		V <sub>CC</sub> = 4.3 V		-	0.02	0.075	-	0.1	Ω
R <sub>ON(flat)</sub>	ON resistance (flatness)	$V_I = GND \text{ to } V_{CC};$ $I_{SW} = 100 \text{ mA}$	[3]						
		V <sub>CC</sub> = 1.4 V		-	1.0	3.3	-	3.6	Ω
		V <sub>CC</sub> = 1.65 V		-	0.5	1.2	-	1.3	Ω
		V <sub>CC</sub> = 2.3 V		-	0.15	0.3	-	0.35	Ω
		V <sub>CC</sub> = 2.7 V		-	0.13	0.3	-	0.35	Ω
		$V_{CC} = 4.3 \text{ V}$		-	0.2	0.4	-	0.45	Ω

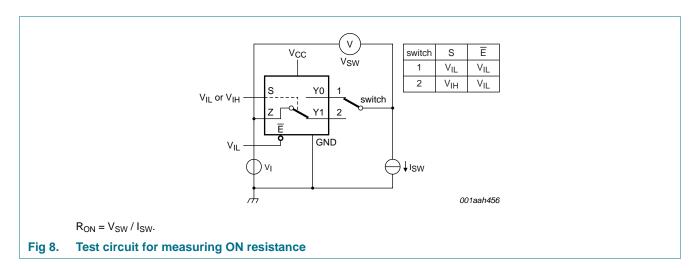
<sup>[1]</sup> Typical values are measured at  $T_{amb}$  = 25 °C.

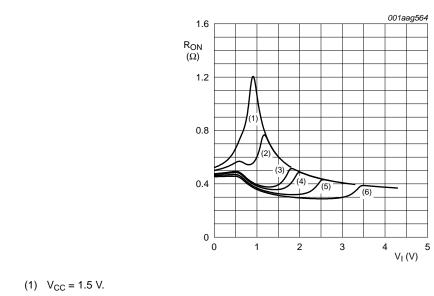
<sup>[2]</sup> Measured at identical  $V_{CC}$ , temperature and input voltage.

<sup>[3]</sup> Flatness is defined as the difference between the maximum and minimum value of ON resistance measured at identical V<sub>CC</sub> and temperature.

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#### 11.3 ON resistance test circuit and waveforms



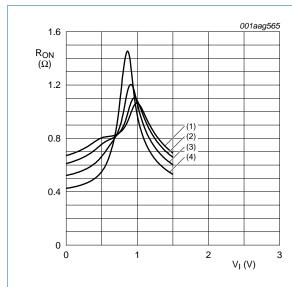


- (2)  $V_{CC} = 1.8 \text{ V}.$
- (3)  $V_{CC} = 2.5 \text{ V}.$
- (4)  $V_{CC} = 2.7 \text{ V}.$
- (5)  $V_{CC} = 3.3 \text{ V}.$
- (6)  $V_{CC} = 4.3 \text{ V}.$

Measured at  $T_{amb}$  = 25 °C.

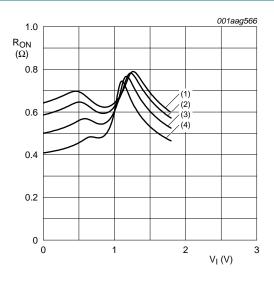
Fig 9. ON resistance as a function of input voltage

#### Low-ohmic single-pole double-throw analog switch



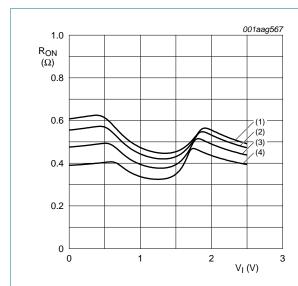
- (1)  $T_{amb} = 125 \, ^{\circ}C$ .
- (2)  $T_{amb} = 85 \, ^{\circ}C$ .
- (3)  $T_{amb} = 25 \, ^{\circ}C$ .
- (4)  $T_{amb} = -40 \, ^{\circ}C$ .

Fig 10. ON resistance as a function of input voltage;  $V_{CC} = 1.5 \text{ V}$ 



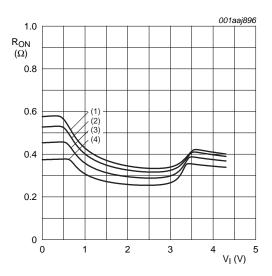
- (1)  $T_{amb} = 125 \, ^{\circ}C$ .
- (2)  $T_{amb} = 85 \, ^{\circ}C$ .
- (3)  $T_{amb} = 25 \, ^{\circ}C$ .
- (4)  $T_{amb} = -40 \, ^{\circ}C$ .

Fig 11. ON resistance as a function of input voltage;  $V_{CC} = 1.8 \text{ V}$ 



- (1)  $T_{amb} = 125 \, ^{\circ}C$ .
- (2)  $T_{amb} = 85 \, ^{\circ}C$ .
- (3)  $T_{amb} = 25 \, ^{\circ}C$ .
- (4)  $T_{amb} = -40 \, ^{\circ}C$ .

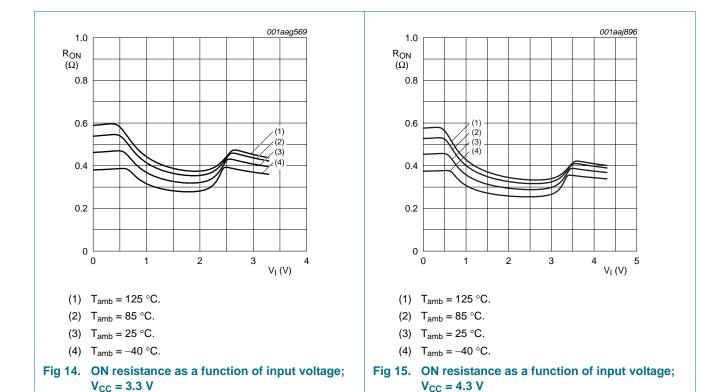
Fig 12. ON resistance as a function of input voltage;  $V_{CC} = 2.5 \text{ V}$ 



- (1)  $T_{amb} = 125 \, ^{\circ}C$ .
- (2)  $T_{amb} = 85 \, ^{\circ}C$ .
- (3)  $T_{amb} = 25 \, ^{\circ}C$ .
- (4)  $T_{amb} = -40 \, ^{\circ}C$ .

Fig 13. ON resistance as a function of input voltage;  $V_{CC} = 2.7 \text{ V}$ 

#### Low-ohmic single-pole double-throw analog switch



### 12. 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	25 °C		–40 °C to +125 °C		5 °C	Unit	
			Min	Typ[1]	Max	Min	Max (85 °C)	Max (125 °C)	
t <sub>en</sub>	enable time	S or $\overline{E}$ to Z or Yn; see <u>Figure 16</u>							
		$V_{CC} = 1.4 \text{ V to } 1.6 \text{ V}$	-	28	42	-	45	50	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$	-	23	34	-	37	41	ns
		$V_{CC}$ = 2.3 V to 2.7 V	-	17	27	-	29	31	ns
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$	-	15	24	-	26	28	ns
		$V_{CC} = 3.6 \text{ V to } 4.3 \text{ V}$	-	15	24	-	26	28	ns
t <sub>dis</sub>	disable time	S or $\overline{E}$ to Z or Yn; see <u>Figure 16</u>							
		$V_{CC} = 1.4 \text{ V to } 1.6 \text{ V}$	-	10	19	-	21	23	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$	-	7	14	-	16	17	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	5	9	-	10	11	ns
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$	-	4	8	-	9	9	ns
		$V_{CC} = 2.7 \text{ V to } 4.3 \text{ V}$	-	4	8	-	9	9	ns

#### Low-ohmic single-pole double-throw analog switch

 Table 9.
 Dynamic characteristics ...continued

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

Symbol	Parameter	Conditions		25 °C		-40 °C to +125 °C			Unit
			Min	Typ[1]	Max	Min	Max (85 °C)	Max (125 °C)	
t <sub>b-m</sub> break-befo	break-before-make	see Figure 17	2]						
	time	$V_{CC} = 1.4 \text{ V to } 1.6 \text{ V}$	-	19	-	9	-	-	ns
		$V_{CC} = 1.65 \text{ V to } 1.95 \text{ V}$	-	17	-	7	-	-	ns
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	13	-	5	-	-	ns
		$V_{CC} = 2.7 \text{ V to } 3.6 \text{ V}$	-	10	-	3	-	-	ns
		$V_{CC} = 2.7 \text{ V to } 4.3 \text{ V}$	-	10	-	2	-	-	ns

<sup>[1]</sup> Typical values are measured at  $T_{amb}$  = 25 °C and  $V_{CC}$  = 1.5 V, 1.8 V, 2.5 V, 3.3 V and 4.3 V respectively.

#### 12.1 Waveform and test circuits

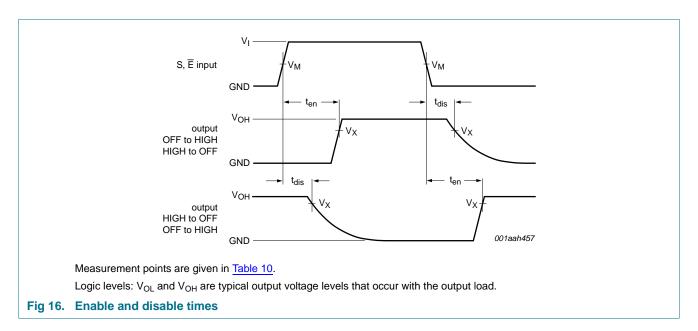
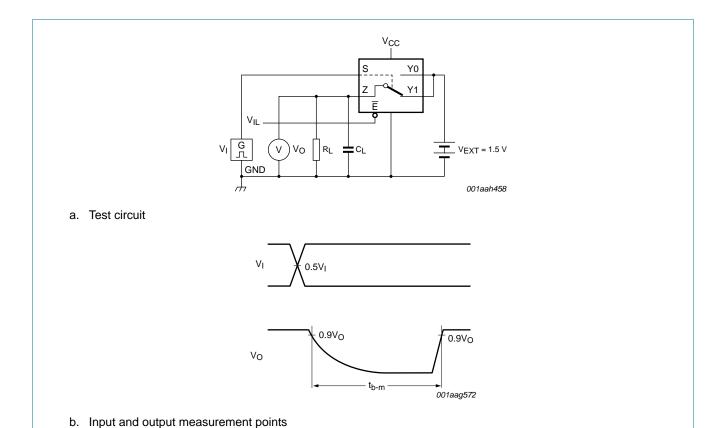


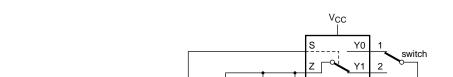
Table 10. Measurement points

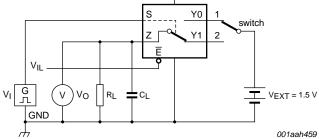
Supply voltage	Input	Output
V <sub>CC</sub>	V <sub>M</sub>	V <sub>X</sub>
1.4 V to 4.3 V	0.5V <sub>CC</sub>	0.9V <sub>OH</sub>

<sup>[2]</sup> Break-before-make guaranteed by design.

#### Low-ohmic single-pole double-throw analog switch







Test data is given in Table 11.

Definitions test circuit:

 $R_L$  = Load resistance.

 $C_L$  = Load capacitance including jig and probe capacitance.

 $V_{EXT}$  = External voltage for measuring switching times.

Fig 17. Test circuit for measuring break-before-make timing

 $V_I$  may be connected to S or  $\overline{E}$ .

Fig 18. Test circuit for measuring switching times

#### Low-ohmic single-pole double-throw analog switch

Table 11. Test data

Supply voltage	Input		Load	
V <sub>CC</sub>	VI	t <sub>r</sub> , t <sub>f</sub>	CL	R <sub>L</sub>
1.4 V to 4.3 V	V <sub>CC</sub>	≤ 2.5 ns	35 pF	50 Ω

## 12.2 Additional dynamic characteristics

Table 12. Additional dynamic characteristics

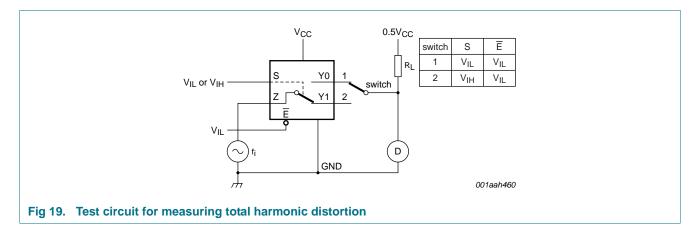
At recommended operating conditions; voltages are referenced to GND (ground = 0 V);  $V_I = GND$  or  $V_{CC}$  (unless otherwise specified);  $t_r = t_f \le 2.5$  ns;  $T_{amb} = 25$  °C.

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
THD	total harmonic distortion	$f_i$ = 20 Hz to 20 kHz; $R_L$ = 32 $\Omega$ ; see Figure 19	<u>[1]</u>			
		V <sub>CC</sub> = 1.4 V; V <sub>I</sub> = 1 V (p-p)	-	0.15	-	%
		V <sub>CC</sub> = 1.65 V; V <sub>I</sub> = 1.2 V (p-p)	-	0.10	-	%
		$V_{CC} = 2.3 \text{ V}; V_{I} = 1.5 \text{ V (p-p)}$	-	0.02	-	%
		$V_{CC} = 2.7 \text{ V}; V_{I} = 2 \text{ V (p-p)}$	-	0.02	-	%
		$V_{CC} = 4.3 \text{ V}; V_{I} = 2 \text{ V (p-p)}$	-	0.02	-	%
f <sub>(-3dB)</sub>	–3 dB frequency response	$R_L = 50 \Omega$ ; see Figure 20	<u>[1]</u>			
		V <sub>CC</sub> = 1.4 V to 4.3 V	-	60	-	MHz
$\alpha_{iso}$	isolation (OFF-state)	$f_i$ = 100 kHz; $R_L$ = 50 $\Omega$ ; see Figure 21	<u>[1]</u>			
		V <sub>CC</sub> = 1.4 V to 4.3 V	-	-90	-	dB
$V_{ct}$	crosstalk voltage	between digital inputs and switch; $f_i = 1$ MHz; $C_L = 50$ pF; $R_L = 50$ $\Omega$ ; see Figure 22				
		V <sub>CC</sub> = 1.4 V to 3.6 V	-	0.2	-	V
		$V_{CC} = 3.6 \text{ V to } 4.3 \text{ V}$	-	0.3	-	V
Xtalk	crosstalk	between switches; $f_i = 100 \text{ kHz}$ ; $R_L = 50 \Omega$ ; see Figure 23	[1]			
		$V_{CC} = 1.4 \text{ V to } 4.3 \text{ V}$	-	-90	-	dB
Q <sub>inj</sub>	charge injection	$f_i$ = 1 MHz; $C_L$ = 0.1 nF; $R_L$ = 1 M $\Omega$ ; $V_{gen}$ = 0 V; $R_{gen}$ = 0 $\Omega$ ; see <u>Figure 24</u>				
		V <sub>CC</sub> = 1.5 V	-	3	-	рС
		V <sub>CC</sub> = 1.8 V	-	4	-	рС
		V <sub>CC</sub> = 2.5 V	-	6	-	рС
		$V_{CC} = 3.3 \text{ V}$	-	9	-	рС
		V <sub>CC</sub> = 4.3 V	-	15	-	рС

<sup>[1]</sup>  $f_i$  is biased at  $0.5V_{CC}$ .

#### Low-ohmic single-pole double-throw analog switch

#### 12.3 Test circuits



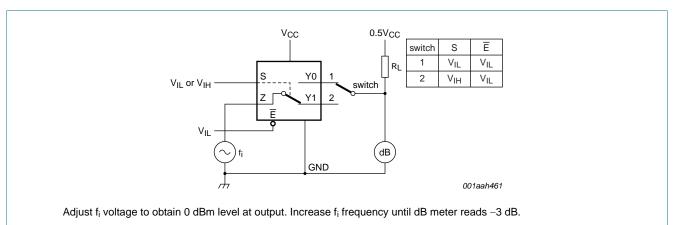
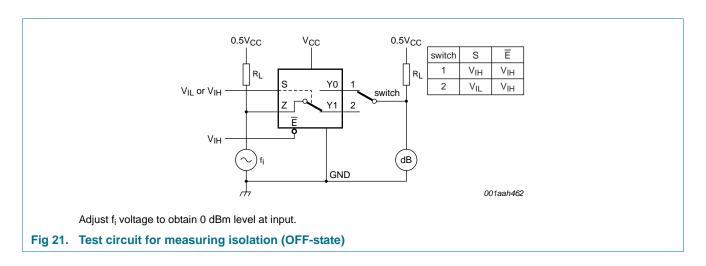
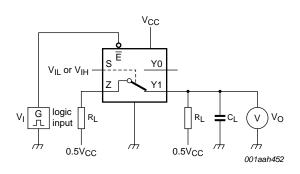


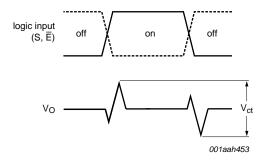
Fig 20. Test circuit for measuring the frequency response when switch is in ON-state



#### Low-ohmic single-pole double-throw analog switch



a. Test circuit



b. Input and output pulse definitions

 $V_I$  may be connected to S or  $\overline{E}$ .

Fig 22. Test circuit for measuring crosstalk voltage between digital inputs and switch

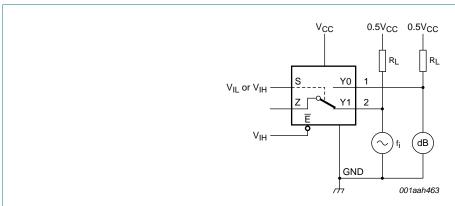
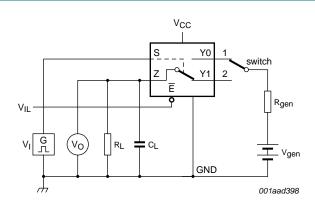
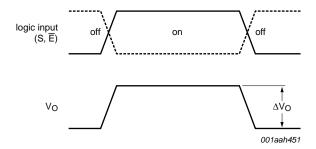


Fig 23. Test circuit for measuring crosstalk

#### Low-ohmic single-pole double-throw analog switch



a. Test circuit



b. Input and output pulse definitions

 $Q_{inj} = \Delta V_O \times C_L$ .

 $\Delta V_{O}$  = output voltage variation.

 $R_{gen}$  = generator resistance.

V<sub>gen</sub> = generator voltage.

 $V_I$  may be connected to S or  $\overline{E}.$ 

Fig 24. Test circuit for measuring charge injection

#### Low-ohmic single-pole double-throw analog switch

## 13. Package outline

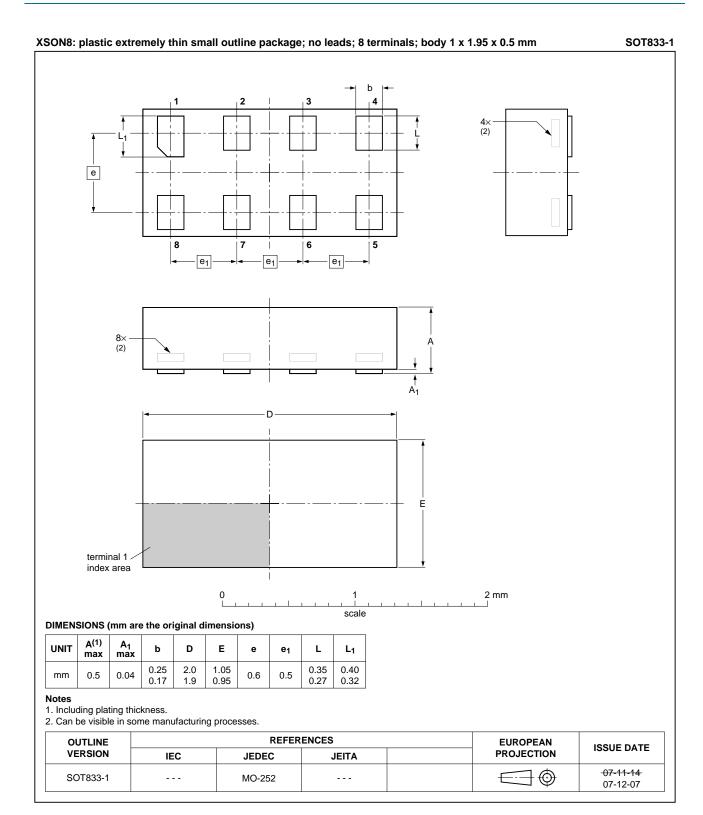


Fig 25. Package outline SOT833-1 (XSON8)

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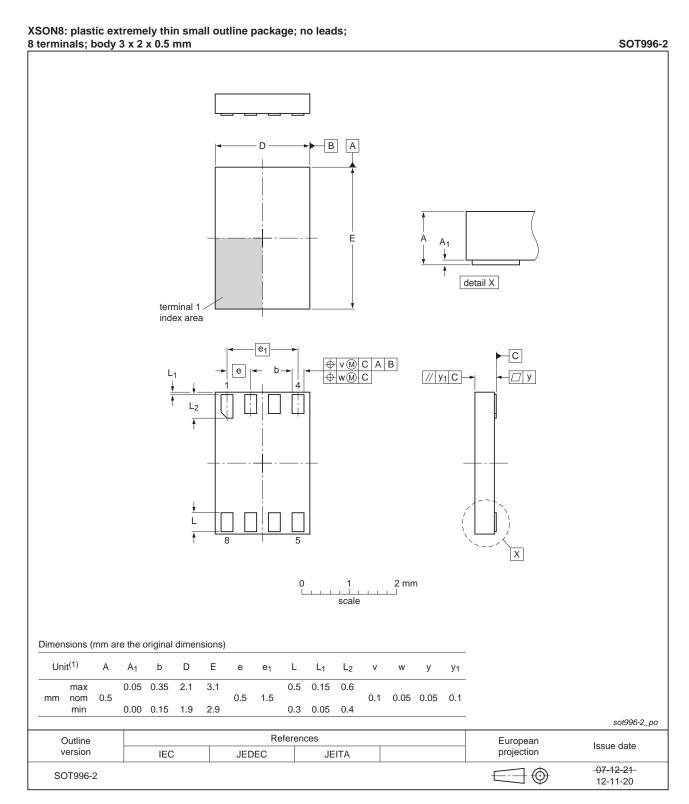


Fig 26. Package outline SOT996-2 (XSON8)

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#### Low-ohmic single-pole double-throw analog switch

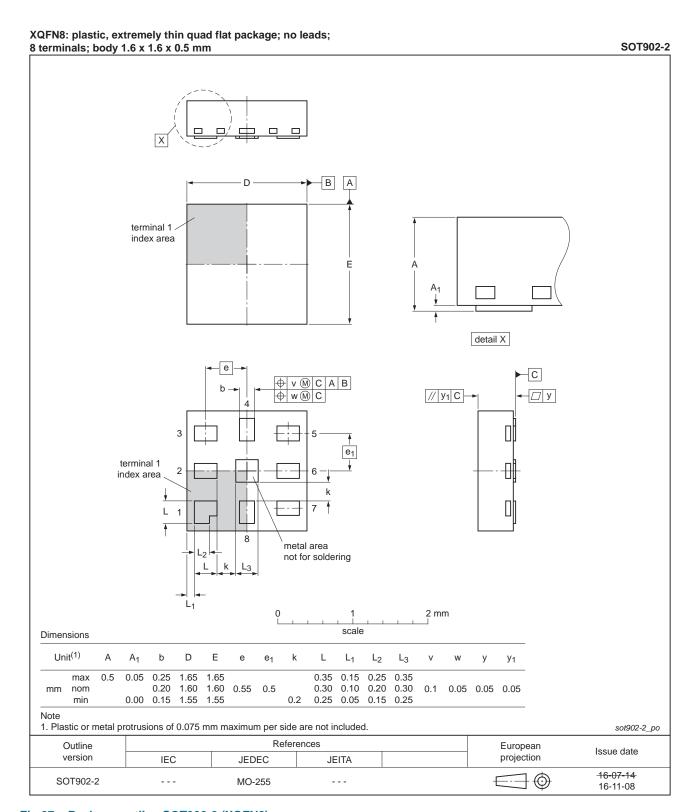


Fig 27. Package outline SOT902-2 (XQFN8)

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#### Low-ohmic single-pole double-throw analog switch

## 14. Abbreviations

#### Table 13. Abbreviations

Acronym	Description
CDM	Charged Device Model
CMOS	Complementary Metal Oxide Semiconductor
ESD	ElectroStatic Discharge
НВМ	Human Body Model
MM	Machine Model
TTL	Transistor-Transistor Logic

# 15. Revision history

#### Table 14. Revision history

	•			
Document ID	Release date	Data sheet status	Change notice	Supersedes
NX3L1G53 v.7.1	20161115	Product data sheet	-	NX3L1G53 v.7
Modifications:	<ul> <li>Updated <u>Fig</u></li> </ul>	ure 27 "Package outline SOT9	02-2 (XQFN8)"	
NX3L1G53 v.7	20130208	Product data sheet	-	NX3L1G53 v.6
Modifications:	<ul> <li>For type num</li> </ul>	nber NX3L1G53GD XSON8U	has changed to XSON	8
NX3L1G53 v.6	20120613	Product data sheet	-	NX3L1G53 v.5
NX3L1G53 v.5	20111109	Product data sheet	-	NX3L1G53 v.4
NX3L1G53 v.4	20100127	Product data sheet	-	NX3L1G53 v.3
NX3L1G53 v.3	20090417	Product data sheet	-	NX3L1G53 v.2
NX3L1G53 v.2	20080718	Product data sheet	-	NX3L1G53 v.1
NX3L1G53 v.1	20080408	Product data sheet	-	-

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#### 16.1 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.

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- [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 <a href="http://www.nxp.com">http://www.nxp.com</a>.

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#### Low-ohmic single-pole double-throw analog switch

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