2-channel analog multiplexer/demultiplexer Rev. 12 — 15 November 2018

**Product data sheet** 

### 1. General description

The 74LVC2G53 is a low-power, low-voltage, high-speed, Si-gate CMOS device.

The 74LVC2G53 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 ( $\overline{E}$ ). When pin  $\overline{E}$  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.

### 2. Features and benefits

- Wide supply voltage range from 1.65 V to 5.5 V
- Very low ON resistance:
  - 7.5  $\Omega$  (typical) at V<sub>CC</sub> = 2.7 V
  - 6.5  $\Omega$  (typical) at V<sub>CC</sub> = 3.3 V
  - 6  $\Omega$  (typical) at V<sub>CC</sub> = 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 2 000 V
  - MM JESD22-A115-A exceeds 200 V
  - CDM JESD22-C101E exceeds 1 000 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



# 3. Ordering information

### Table 1. Ordering information

Type number	Package			
	Temperature range	Name	Description	Version
74LVC2G53DP	-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
74LVC2G53DC	-40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads; body width 2.3 mm	SOT765-1
74LVC2G53GT	-40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body 1 x 1.95 x 0.5 mm	SOT833-1
74LVC2G53GF	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 x 1 x 0.5 mm	SOT1089
74LVC2G53GM	-40 °C to +125 °C	XQFN8	plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 x 1.6 x 0.5 mm	SOT902-2
74LVC2G53GN	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.2 x 1.0 x 0.35 mm	SOT1116
74LVC2G53GS	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.35 x 1.0 x 0.35 mm	SOT1203

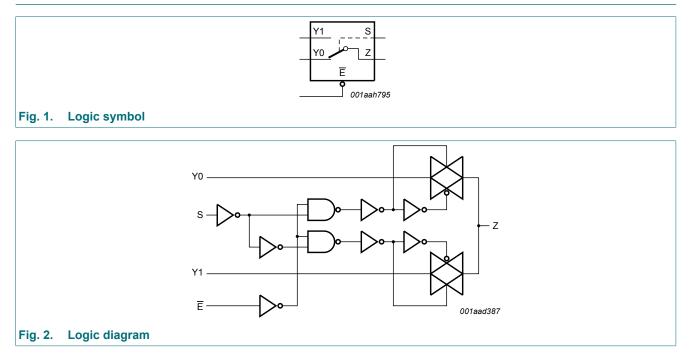
### 4. Marking

### Table 2. Marking codes

Type number	Marking code[1]
74LVC2G53DP	V53
74LVC2G53DC	V53
74LVC2G53GT	V53
74LVC2G53GF	V3
74LVC2G53GM	V53
74LVC2G53GN	V3
74LVC2G53GS	V3

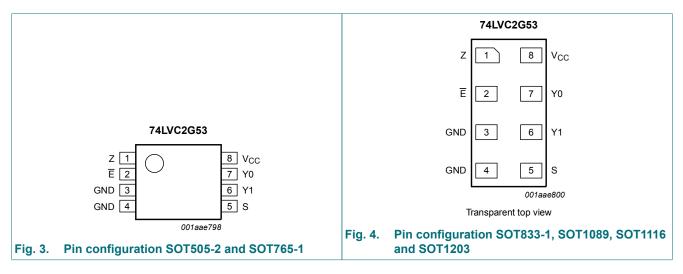
[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

### 5. Functional diagram

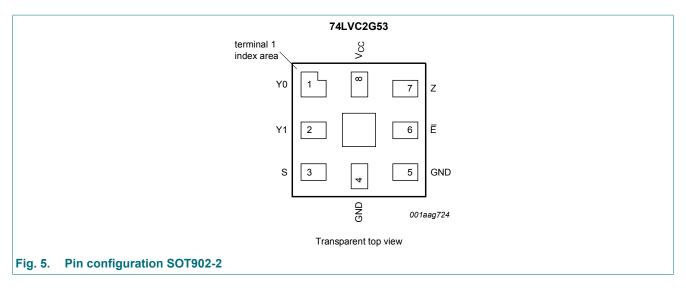


### 6. Pinning information

### 6.1. Pinning



### 2-channel analog multiplexer/demultiplexer



### 6.2. Pin description

Symbol	Pin	Pin			
	SOT505-2, SOT765-1, SOT833-1, SOT1089, SOT1116 and SOT1203				
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 <sub>CC</sub>	8	8	supply voltage		

### 7. Functional description

#### Table 4. Function table

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

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)

74LVC2G53

### 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 <sub>CC</sub>	supply voltage			-0.5	+6.5	V
VI	input voltage		[1]	-0.5	+6.5	V
I <sub>IK</sub>	input clamping current	$V_{\rm I}$ < -0.5 V or $V_{\rm I}$ > $V_{\rm CC}$ + 0.5 V		-50	-	mA
I <sub>SK</sub>	switch clamping current	$V_{\rm I}$ < -0.5 V or $V_{\rm I}$ > $V_{\rm CC}$ + 0.5 V		-	±50	mA
V <sub>SW</sub>	switch voltage	enable and disable mode	[2]	-0.5	V <sub>CC</sub> + 0.5	V
I <sub>SW</sub>	switch current	$V_{SW}$ > -0.5 V or $V_{SW}$ < $V_{CC}$ + 0.5 V		-	±50	mA
I <sub>CC</sub>	supply current			-	100	mA
I <sub>GND</sub>	ground current			-100	-	mA
T <sub>stg</sub>	storage temperature			-65	+150	°C
P <sub>tot</sub>	total power dissipation	$T_{amb}$ = -40 °C to +125 °C	[3]	-	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<sub>tot</sub> derates linearly with 2.5 mW/K.

For VSSOP8 packages: above 110 °C the value of P<sub>tot</sub> derates linearly with 8.0 mW/K.

For XSON8 and XQFN8 packages: above 118 °C the value of Ptot derates linearly with 7.8 mW/K.

### 9. Recommended operating conditions

#### Table 6. Operating conditions

Symbol	Parameter	Conditions		Min	Max	Unit
V <sub>CC</sub>	supply voltage			1.65	5.5	V
VI	input voltage			0	5.5	V
V <sub>SW</sub>	switch voltage	enable and disable mode	[1]	0	V <sub>CC</sub>	V
T <sub>amb</sub>	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 <sub>CC</sub> = 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.

### 10. Static characteristics

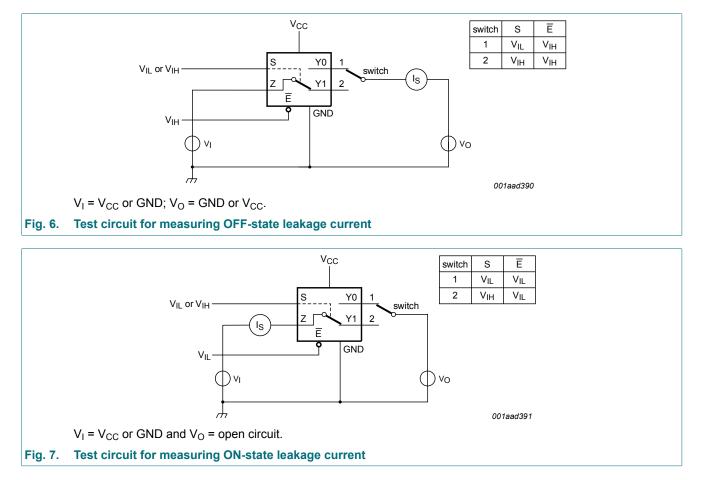
#### **Table 7. Static characteristics**

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

Symbol	Parameter	Conditions	T <sub>amb</sub> =	-40 °C to	+85 °C	T <sub>amb</sub> = -40 °	C to +125 °C	Unit
			Min	Typ[1]	Мах	Min	Max	1
VIH	HIGH-level	V <sub>CC</sub> = 1.65 V to 1.95 V	0.65xV <sub>CC</sub>	-	-	0.65xV <sub>CC</sub>	-	V
	input voltage	V <sub>CC</sub> = 2.3 V to 2.7 V	1.7	-	-	1.7	-	V
		V <sub>CC</sub> = 3 V to 3.6 V	2.0	-	-	2.0	-	V
		$V_{CC}$ = 4.5 V to 5.5 V	0.7xV <sub>CC</sub>	-	-	0.7xV <sub>CC</sub>	-	V
V <sub>IL</sub>	LOW-level input	V <sub>CC</sub> = 1.65 V to 1.95 V	-	-	$0.35 \mathrm{xV}_{\mathrm{CC}}$	-	0.35xV <sub>CC</sub>	V
	voltage	$V_{CC}$ = 2.3 V to 2.7 V	-	-	0.7	-	0.7	V
		V <sub>CC</sub> = 3 V to 3.6 V	-	-	0.8	-	0.8	V
		$V_{CC}$ = 4.5 V to 5.5 V	-	-	0.3xV <sub>CC</sub>		0.3xV <sub>CC</sub>	V
I	input leakage current		-	±0.1	±1	-	±1	μA
I <sub>S(OFF)</sub>	OFF-state leakage current	V <sub>CC</sub> = 5.5 V; see <u>Fig. 6</u> [2]	-	±0.1	±0.2	-	±0.5	μA
I <sub>S(ON)</sub>	ON-state leakage current	V <sub>CC</sub> = 5.5 V; see <u>Fig. 7</u> [2]	-	±0.1	±1	-	±2	μA
I <sub>CC</sub>	supply current	$V_{I} = 5.5 V \text{ or GND};$ [2] $V_{SW} = GND \text{ or } V_{CC};$ $V_{CC} = 1.65 V \text{ to } 5.5 V$	-	0.1	4	-	4	μA
ΔI <sub>CC</sub>	additional supply current		-	5	500	-	500	μA
CI	input capacitance		-	2.5	-	-	-	pF
$C_{S(OFF)}$	OFF-state capacitance		-	6.0	-	-	-	pF
C <sub>S(ON)</sub>	ON-state capacitance		-	18	-	-	-	pF

[1]

Typical values are measured at T<sub>amb</sub> = 25 °C. These typical values are measured at V<sub>CC</sub> = 3.3 V. [2]



### 10.1. Test circuits

### **10.2. ON resistance**

#### Table 8. ON resistance

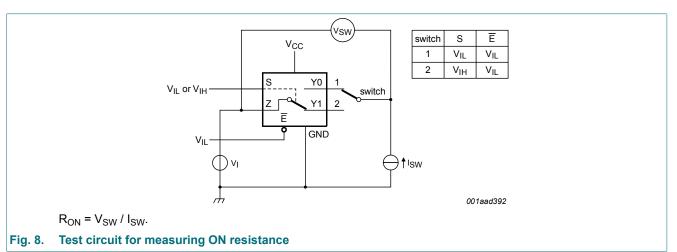
At recommended operating conditions; voltages are referenced to GND (ground 0 V); for graphs see Fig. 9 to Fig. 14.

Symbol	Parameter	Conditions	-40	°C to +8	5 °C	-40 °C to	+125 °C	Unit
			Min	Typ[1]	Мах	Min	Max	1
R <sub>ON(peak)</sub>		$V_{I}$ = GND to $V_{CC}$ ; see Fig. 8						
	(peak)	$I_{SW}$ = 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

Symbol	Parameter	Conditions	-40	°C to +8	5 °C	-40 °C to	o +125 ℃	Unit
			Min	Typ[1]	Мах	Min	Max	
R <sub>ON(rail)</sub>	ON resistance	V <sub>I</sub> = GND; see <u>Fig. 8</u>						
	(rail)	$I_{SW}$ = 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 <sub>SW</sub> = 12 mA; V <sub>CC</sub> = 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>Fig. 8</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 <sub>ON(flat)</sub>	ON resistance	$V_{I} = GND \text{ to } V_{CC}$ [2]						
	(flatness)	I <sub>SW</sub> = 4 mA;V <sub>CC</sub> = 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

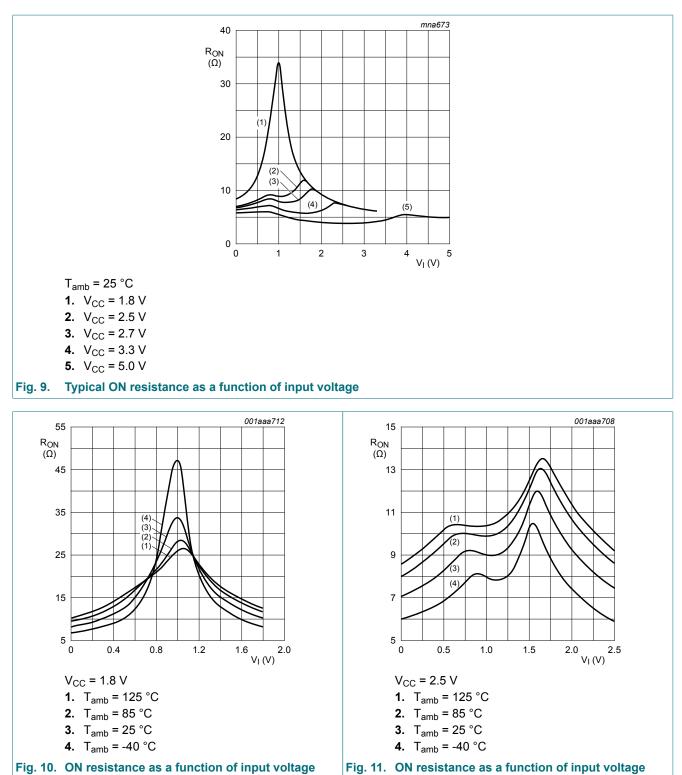
[1]

Typical values are measured at  $T_{amb}$  = 25 °C and nominal  $V_{CC}$ . Flatness is defined as the difference between the maximum and minimum value of ON resistance measured at identical  $V_{CC}$  and [2] temperature.



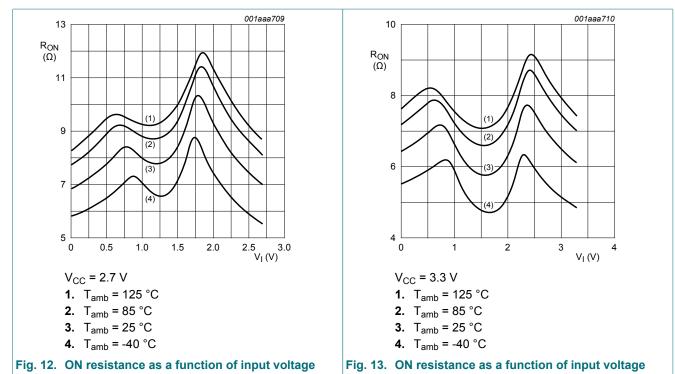
### 10.3. ON resistance test circuit and graphs

#### 2-channel analog multiplexer/demultiplexer

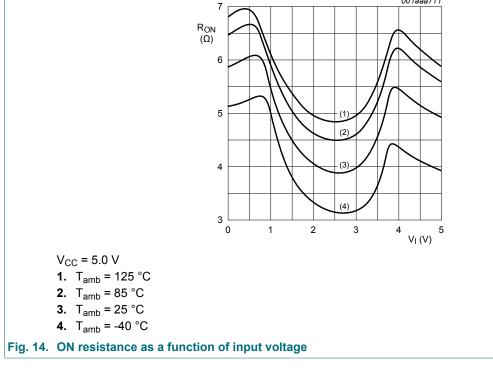


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### **11. Dynamic characteristics**

#### **Table 9. Dynamic characteristics**

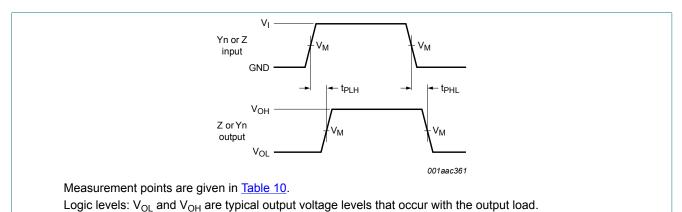
At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 17.

Symbol	Parameter	Conditions		-40	°C to +8	5 °C	-40 °C to	o +125 °C	Unit
				Min	Typ[1]	Мах	Min	Max	1
t <sub>pd</sub>	propagation delay	Z to Yn or Yn to Z; see Fig. 15	[2][3]						
		V <sub>CC</sub> = 1.65 V to 1.95 V		-	-	2	-	2.5	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V		-	-	1.2	-	1.5	ns
		V <sub>CC</sub> = 2.7 V		-	-	1.0	-	1.25	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		-	-	0.8	-	1.0	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V		-	-	0.6	-	0.8	ns
t <sub>en</sub>	enable time	S to Z or Yn; see Fig. 16	[2]						
		V <sub>CC</sub> = 1.65 V to 1.95 V		2.6	6.7	10.3	2.6	12.9	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V		1.9	4.1	6.4	1.9	8.0	ns
		V <sub>CC</sub> = 2.7 V		1.9	4.0	5.5	1.8	7.0	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		1.8	3.4	5.0	1.8	6.3	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V		1.3	2.6	3.8	1.3	4.8	ns
	E to Z or Yn; see Fig. 16								
		V <sub>CC</sub> = 1.65 V to 1.95 V		1.9	4.0	7.3	1.9	9.2	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V		1.4	2.5	4.4	1.4	5.5	ns
		V <sub>CC</sub> = 2.7 V		1.1	2.6	3.9	1.1	4.9	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		1.2	2.2	3.8	1.2	4.8	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V		1.0	1.7	2.6	1.0	3.3	ns
t <sub>dis</sub>	disable time	S to Z or Yn; see Fig. 16	[2]						
		V <sub>CC</sub> = 1.65 V to 1.95 V		2.1	6.8	10.0	2.1	12.5	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V		1.4	3.7	6.1	1.4	7.7	ns
		V <sub>CC</sub> = 2.7 V		1.4	4.9	6.2	1.4	7.8	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		1.1	4.0	5.4	1.1	6.8	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V		1.0	2.9	3.8	1.0	4.8	ns
		E to Z or Yn; see Fig. 16	[2]						
		V <sub>CC</sub> = 1.65 V to 1.95 V		2.3	5.6	8.6	2.3	11.0	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V		1.2	3.2	4.8	1.2	6.0	ns
		V <sub>CC</sub> = 2.7 V		1.4	4.0	5.2	1.4	6.5	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		2.0	3.7	5.0	2.0	6.3	ns
		V <sub>CC</sub> = 4.5 V to 5.5 V		1.3	2.9	3.8	1.3	4.8	ns

[1]

[2]

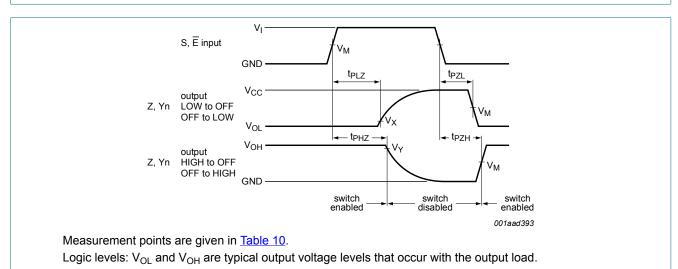
Typical values are measured at  $T_{amb}$  = 25 °C and nominal V<sub>CC</sub>.  $t_{pd}$  is the same as  $t_{PLH}$  and  $t_{PHL}$ ;  $t_{en}$  is the same as  $t_{PZH}$  and  $t_{PZL}$ ;  $t_{dis}$  is the same as  $t_{PLZ}$  and  $t_{PHZ}$ Propagation delay is the calculated RC time constant of the typical ON resistance of the switch and the specified capacitance when [3] driven by an ideal voltage source (zero output impedance).



### 11.1. Waveforms and test circuits

Logic levels:  $v_{OL}$  and  $v_{OH}$  are typical output voltage i

### Fig. 15. Input (Yn or Z) to output (Z or Yn) propagation delays

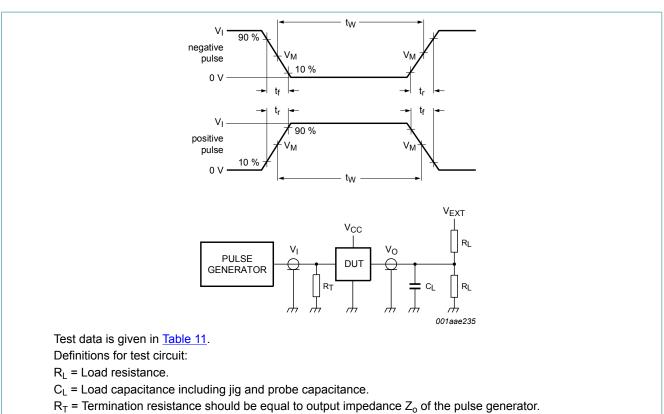


### Fig. 16. Enable and disable times

#### Table 10. Measurement points

Supply voltage	Input	Output				
V <sub>cc</sub>	V <sub>M</sub>	V <sub>M</sub>	V <sub>X</sub>	V <sub>Y</sub>		
1.65 V to 2.7 V	0.5V <sub>CC</sub>	0.5V <sub>CC</sub>	V <sub>OL</sub> + 0.15 V	V <sub>OH</sub> - 0.15 V		
2.7 V to 5.5 V	0.5V <sub>CC</sub>	0.5V <sub>CC</sub>	V <sub>OL</sub> + 0.3 V	V <sub>OH</sub> - 0.3 V		

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V<sub>EXT</sub> = Test voltage for switching times.

### Fig. 17. Test circuit for measuring switching times

#### Table 11. Test data

Supply voltage	Input		Load		V <sub>EXT</sub>	V <sub>EXT</sub>			
V <sub>cc</sub>	VI	t <sub>r</sub> , t <sub>f</sub>	CL	RL	t <sub>PLH</sub> , t <sub>PHL</sub>	t <sub>PZH</sub> , t <sub>PHZ</sub>	t <sub>PZL</sub> , t <sub>PLZ</sub>		
1.65 V to 1.95 V	V <sub>CC</sub>	≤ 2.0 ns	30 pF	1 kΩ	open	GND	2V <sub>CC</sub>		
2.3 V to 2.7 V	V <sub>CC</sub>	≤ 2.0 ns	30 pF	500 Ω	open	GND	2V <sub>CC</sub>		
2.7 V	V <sub>CC</sub>	≤ 2.5 ns	50 pF	500 Ω	open	GND	2V <sub>CC</sub>		
3 V to 3.6 V	V <sub>CC</sub>	≤ 2.5 ns	50 pF	500 Ω	open	GND	2V <sub>CC</sub>		
4.5 V to 5.5 V	V <sub>CC</sub>	≤ 2.5 ns	50 pF	500 Ω	open	GND	2V <sub>CC</sub>		

**Product data sheet** 

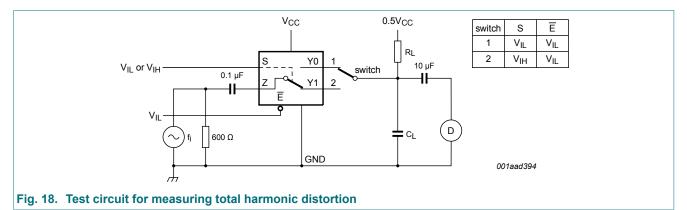
### **11.2.** Additional dynamic characteristics

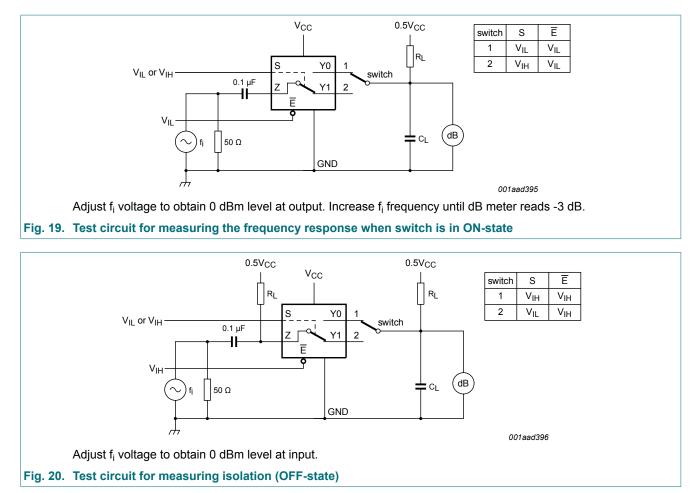
### Table 12. Additional dynamic characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); T<sub>amb</sub> = 25 °C.

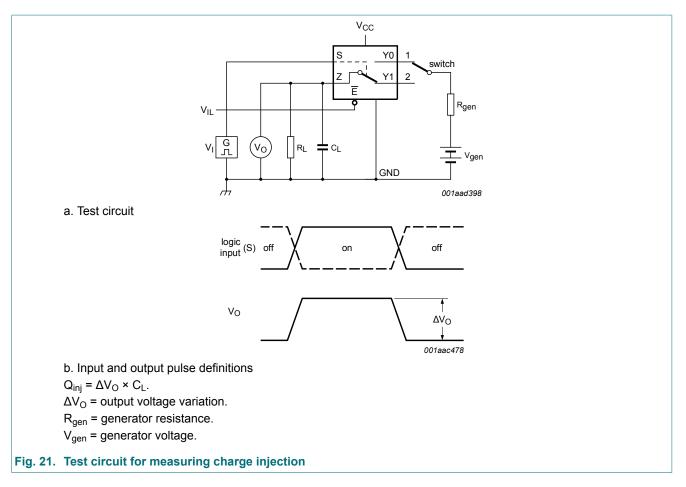
Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
THD	total harmonic distortion	$f_i$ = 600 Hz to 20 kHz; R <sub>L</sub> = 600 Ω; C <sub>L</sub> = 50 pF; V <sub>I</sub> = 0.5 V (p-p); see Fig. 18				
		V <sub>CC</sub> = 1.65 V	-	0.260	-	%
		V <sub>CC</sub> = 2.3 V	-	0.078	-	%
		V <sub>CC</sub> = 3.0 V	-	0.078	-	%
		V <sub>CC</sub> = 4.5 V	-	0.078	-	%
f <sub>(-3dB)</sub>	-3 dB frequency response	$R_L$ = 50 Ω; $C_L$ = 5 pF; see <u>Fig. 19</u>				
		V <sub>CC</sub> = 1.65 V	-	200	-	MHz
		V <sub>CC</sub> = 2.3 V	-	300	-	MHz
		V <sub>CC</sub> = 3.0 V	-	300	-	MHz
		V <sub>CC</sub> = 4.5 V	-	300	-	MHz
α <sub>iso</sub>	isolation (OFF-state)	$R_L$ = 50 Ω; $C_L$ = 5 pF; $f_i$ = 10 MHz; see <u>Fig. 20</u>				
		V <sub>CC</sub> = 1.65 V	-	-42	-	dB
		V <sub>CC</sub> = 2.3 V	-	-42	-	dB
		V <sub>CC</sub> = 3.0 V	-	-40	-	dB
		V <sub>CC</sub> = 4.5 V	-	-40	-	dB
Q <sub>inj</sub>	charge injection	$C_L$ = 0.1 nF; V <sub>gen</sub> = 0 V; R <sub>gen</sub> = 0 Ω; f <sub>i</sub> = 1 MHz; R <sub>L</sub> = 1 MΩ; see <u>Fig. 21</u>				
		V <sub>CC</sub> = 1.8 V	-	3.3	-	рС
		V <sub>CC</sub> = 2.5 V	-	4.1	-	рС
		V <sub>CC</sub> = 3.3 V	-	5.0	-	рС
		V <sub>CC</sub> = 4.5 V	-	6.4	-	рС
		V <sub>CC</sub> = 5.5 V				рС

### 11.3. Test circuits



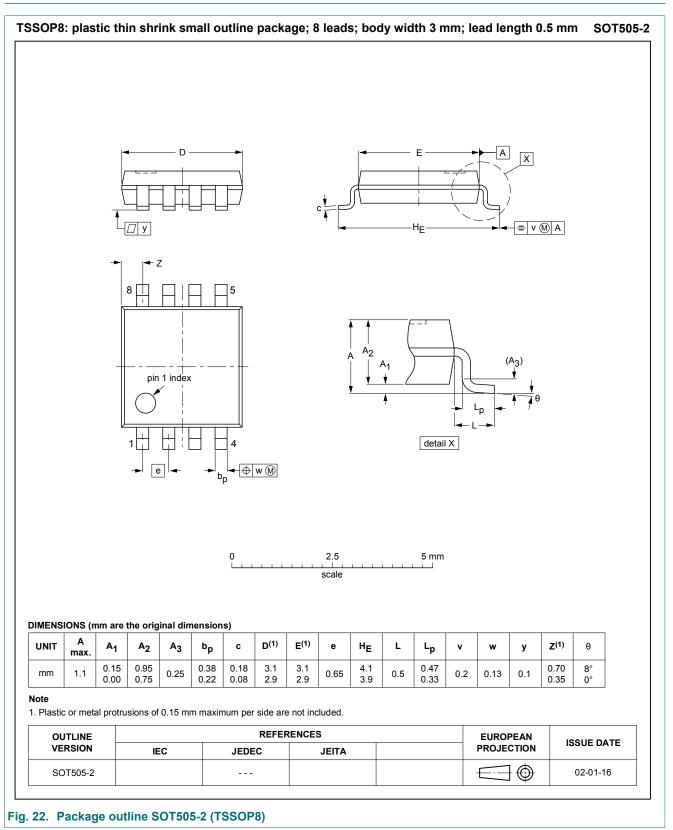


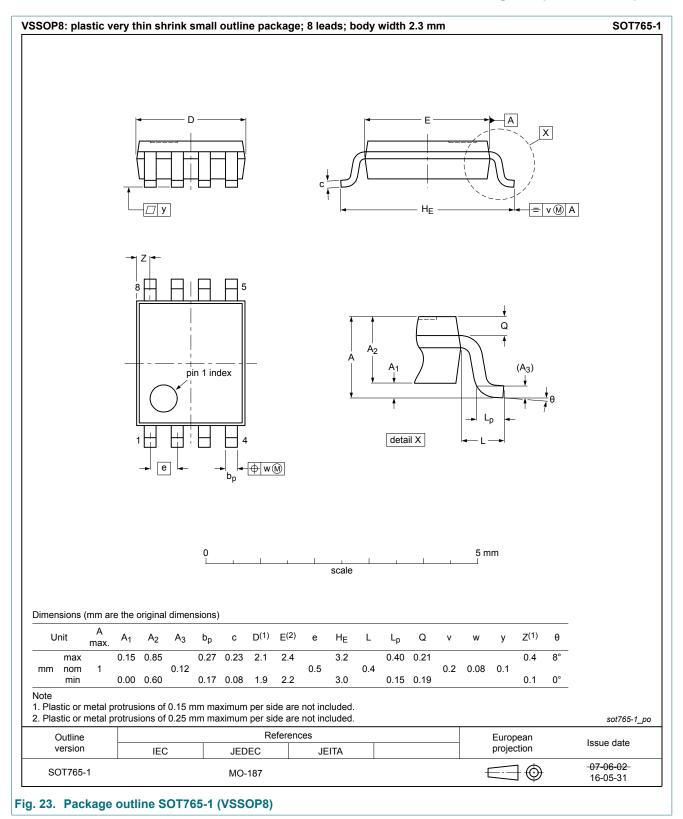
### 2-channel analog multiplexer/demultiplexer

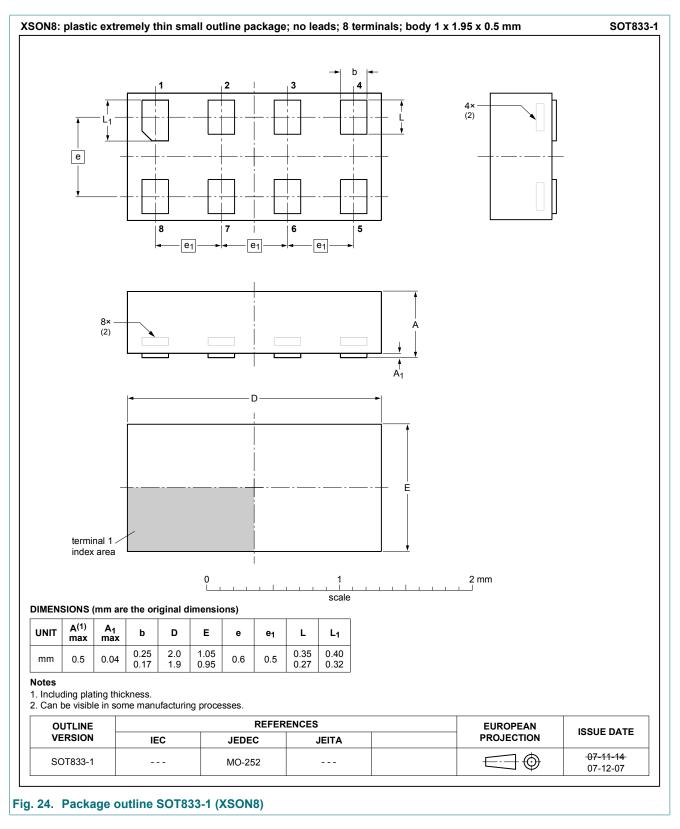


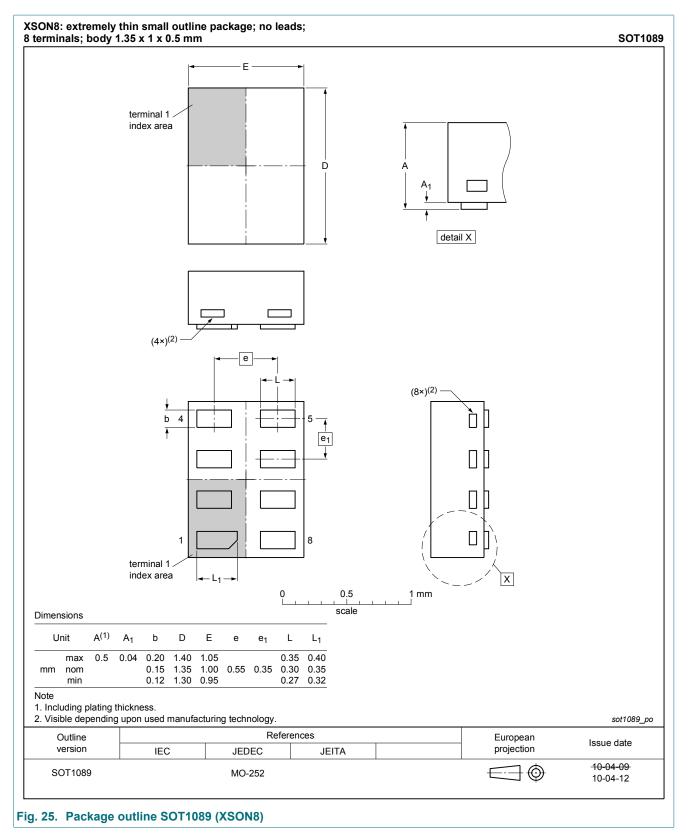
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### 12. Package outline









#### 2-channel analog multiplexer/demultiplexer

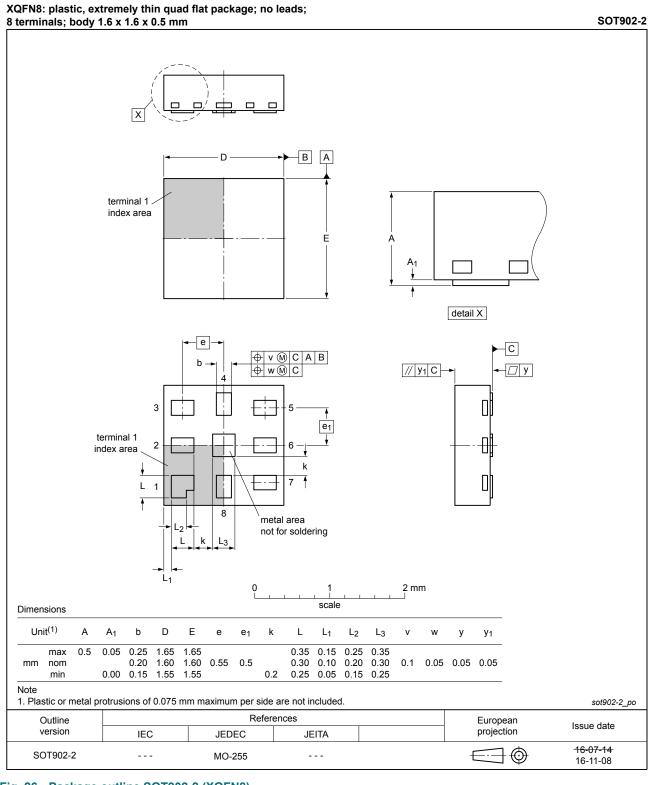
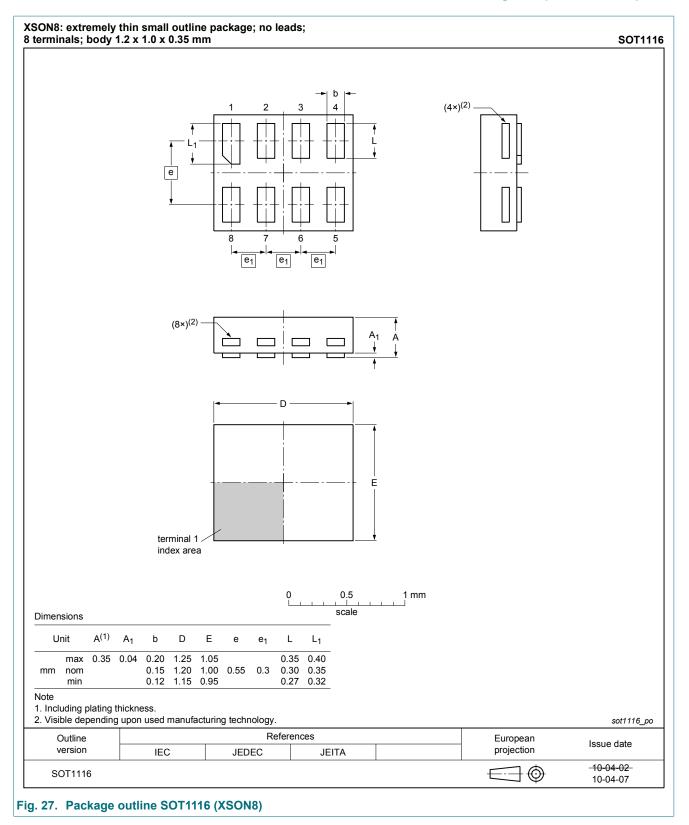
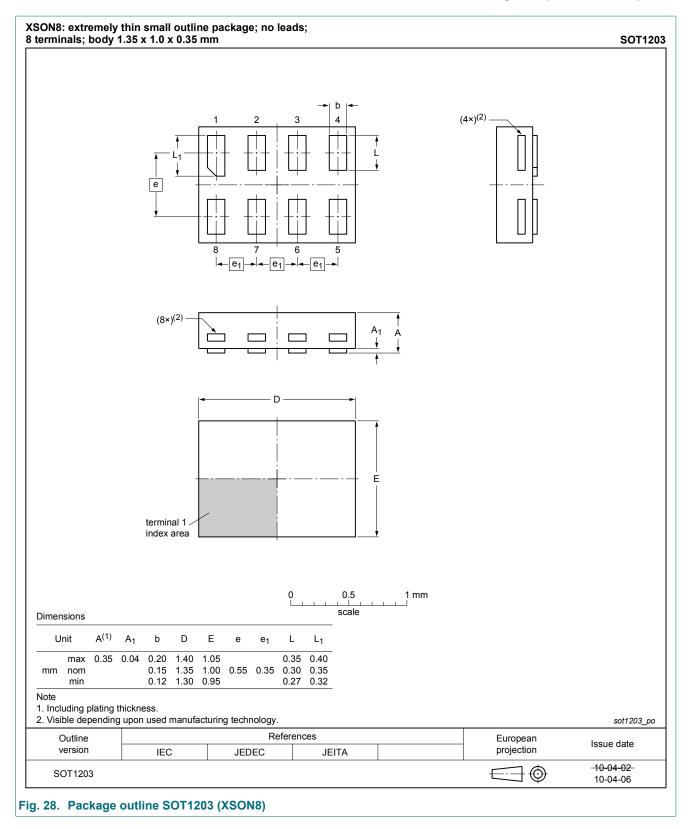


Fig. 26. Package outline SOT902-2 (XQFN8)





## 13. Abbreviations

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

## 14. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes	
74LVC2G53 v.12	20181116	Product data sheet	-	74LVC2G53 v.11	
Modifications:	Type number 74LVC2G53GD (SOT996-2/XSON8) removed.				
74LVC2G53 v.11	20170821	Product data sheet	-	74LVC2G53 v.10	
Modifications:	<ul> <li>The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia.</li> <li>Legal texts have been adapted to the new company name where appropriate.</li> </ul>				
74LVC2G53 v.10	20161215	Product data sheet	-	74LVC2G53 v.9	
Modifications:	• <u>Table 7</u> : The maximum limits for leakage current and supply current have changed.				
74LVC2G53 v.9	20130405	Product data sheet	-	74LVC2G53 v.8	
Modifications:	For type number 74LVC2G53GD XSON8U has changed to XSON8.				
74LVC2G53 v.8	20120622	Product data sheet	-	74LVC2G53 v.7	
Modifications:	For type num	ber 74LVC2G53GM the SOT	code has changed to	SOT902-2.	
74LVC2G53 v.7	20111125	Product data sheet	-	74LVC2G53 v.6	
Modifications:	Legal pages updated.				
74LVC2G53 v.6	20100927	Product data sheet	-	74LVC2G53 v.5	
74LVC2G53 v.5	20080618	Product data sheet	-	74LVC2G53 v.4	
74LVC2G53 v.4	20080228	Product data sheet	-	74LVC2G53 v.3	
74LVC2G53 v.3	20070828	Product data sheet	-	74LVC2G53 v.2	
74LVC2G53 v.2	20060331	Product data sheet	-	74LVC2G53 v.1	
74LVC2G53 v.1	20060110	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.

 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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