# 74CBTLV3257

## Quad 1-of-2 multiplexer/demultiplexer

Rev. 8 — 21 March 2023

Product data sheet

## 1. General description

The 74CBTLV3257 provides a quad 1-of-2 high-speed multiplexer/demultiplexer with common select (S) and output enable  $(\overline{OE})$  inputs. The low ON resistance of the switch allows inputs to be connected to outputs without adding propagation delay or generating additional ground bounce noise. When pin  $\overline{OE}$  = LOW, one of the two switches is selected (low-impedance ON-state) with pin S. When pin  $\overline{OE}$  = HIGH, all switches are in the high-impedance OFF-state, independent of pin S.

Schmitt trigger action at control input makes the circuit tolerant to slower input rise and fall times across the entire  $V_{CC}$  range from 2.3 V to 3.6 V.

To ensure the high-impedance OFF-state during power-up or power-down,  $\overline{\text{OE}}$  should be tied to the  $V_{CC}$  through a pull-up resistor. The minimum value of the resistor is determined by the current-sinking capability of the driver.

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.

## 2. Features and benefits

- Supply voltage range from 2.3 V to 3.6 V
- High noise immunity
- Complies with JEDEC standard:
  - JESD8-5 (2.3 V to 2.7 V)
  - JESD8-B/JESD36 (2.7 V to 3.6 V)
- ESD protection:
  - HBM JESD22-A114F exceeds 2000 V
  - MM JESD22-A115-A exceeds 200 V
  - CDM AEC-Q100-011 revision B exceeds 1000 V
- 5 Ω switch connection between two ports
- Rail to rail switching on data I/O ports
- CMOS low power consumption
- Latch-up performance exceeds 250 mA per JESD78B Class I level A
- I<sub>OFF</sub> circuitry provides partial Power-down mode operation
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C



## Quad 1-of-2 multiplexer/demultiplexer

# 3. Ordering information

**Table 1. Ordering information** 

Type number	Package			
	Temperature range	Name	Description	Version
74CBTLV3257D	-40 °C to +125 °C	SO16	plastic small outline package; 16 leads; body width 3.9 mm	SOT109-1
74CBTLV3257DS	-40 °C to +125 °C	SSOP16 [1]	plastic shrink small outline package; 16 leads; body width 3.9 mm; lead pitch 0.635 mm	SOT519-1
74CBTLV3257PW	-40 °C to +125 °C	TSSOP16	plastic thin shrink small outline package; 16 leads; body width 4.4 mm	SOT403-1
74CBTLV3257BQ	-40 °C to +125 °C	DHVQFN16	plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 16 terminals; body 2.5 × 3.5 × 0.85 mm	SOT763-1
74CBTLV3257GU	-40 °C to +125 °C	XQFN16	plastic, extremely thin quad flat package; no leads; 16 terminals; body 1.80 × 2.60 × 0.50 mm	SOT1161-1

<sup>[1]</sup> Also known as QSOP16.

## 4. Marking

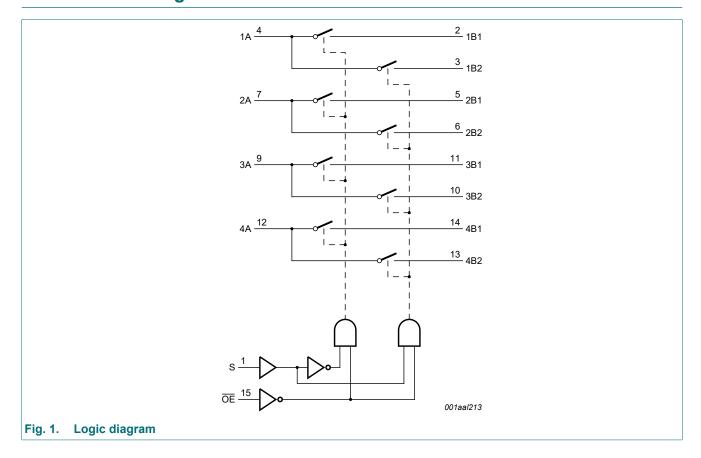
Table 2. Marking codes

Marking code[1]
74CBTLV3257D
TLV3257
TLV3257
TV3257
b57

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

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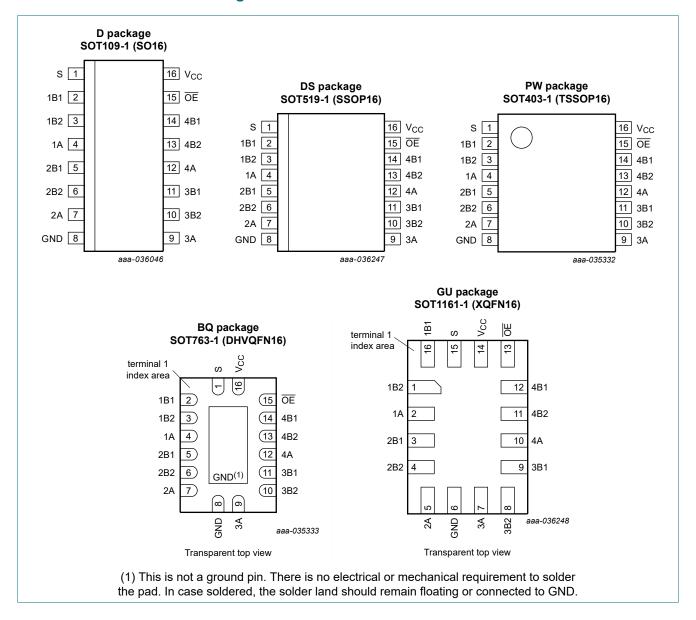
# 5. Functional diagram



Quad 1-of-2 multiplexer/demultiplexer

## 6. Pinning information

## 6.1. Pinning



## Quad 1-of-2 multiplexer/demultiplexer

## 6.2. Pin description

Table 3. Pin description

Symbol	Pin	Pin			
	SO16, (T)SSOP16 and DHVQFN16	XQFN16			
S	1	15	select input		
1B1 to 4B1	2, 5, 11, 14	16, 3, 9, 12	B1 input/output		
1B2 to 4B2	3, 6, 10, 13	1, 4, 8, 11	B2 input/output		
1A to 4A	4, 7, 9, 12	2, 5, 7, 10	A input/output		
GND	8	6	ground (0 V)		
OE	15	13	output enable input (active LOW)		
V <sub>CC</sub>	16	14	supply voltage		

# 7. Functional description

#### **Table 4. Function table**

H = HIGH voltage level; L = LOW voltage level; X = don't care.

Inputs		Function switch
ŌE	s	
L	L	nA = nB1
L	Н	nA = nB2
Н	X	disconnect nA and nBn

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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 <sub>CC</sub>	supply voltage			-0.5	+4.6	V
VI	input voltage	control inputs	[1]	-0.5	+4.6	V
V <sub>SW</sub>	switch voltage	enable and disable mode	[2]	-0.5	V <sub>CC</sub> + 0.5	V
I <sub>IK</sub>	input clamping current	V <sub>I</sub> < -0.5 V		-50	-	mA
I <sub>SK</sub>	switch clamping current	V <sub>I</sub> < -0.5 V		-50	-	mA
I <sub>SW</sub>	switch current	V <sub>SW</sub> = 0 V to V <sub>CC</sub>		-	±128	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 <sub>amb</sub> = -40 °C to +125 °C				
		SOT109-1 (SO16) SOT519-1 (SSOP16) SOT403-1 (TSSOP16) SOT763-1 (DHVQFN16)	[3]	-	500	mW
		SOT1161-1 (XQFN16)		-	250	mW

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

For SOT519-1 (SSOP16) packages:  $P_{tot}$  derates linearly with 8.5 mW/K above 91 °C.

For SOT403-1 (TSSOP16) package:  $P_{tot}$  derates linearly with 8.5 mW/K above 91 °C.

For SOT763-1 (DHVQFN16) package:  $P_{tot}$  derates linearly with 11.2 mW/K above 106 °C.

## 9. Recommended operating conditions

Table 6. Recommended operating conditions

Symbol	Parameter	Min	Max	Unit	
V <sub>CC</sub>	supply voltage		2.3	3.6	V
VI	input voltage		0	3.6	V
V <sub>SW</sub>	switch voltage	enable and disable mode	0	V <sub>CC</sub>	V
T <sub>amb</sub>	ambient temperature		-40	+125	°C
Δt/ΔV	input transition rise and fall rate	V <sub>CC</sub> = 2.3 V to 3.6 V [1]	0	200	ns/V

<sup>[1]</sup> Applies to control signal levels.

<sup>[2]</sup> The switch voltage ratings may be exceeded if switch clamping current ratings are observed

<sup>3]</sup> For SOT109-1 (SO16) package: P<sub>tot</sub> derates linearly with 12.4 mW/K above 110 °C.

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## 10. Static characteristics

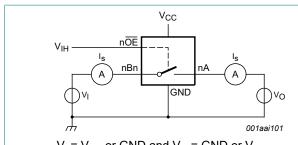
#### **Table 7. Static characteristics**

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

Symbol	Parameter	Conditions	T <sub>amb</sub> =	-40 °C to	+85 °C	T <sub>amb</sub> = -40 °C to +125 °C		Unit
			Min	Typ[1]	Max	Min	Max	
V <sub>IH</sub>	HIGH-level input	V <sub>CC</sub> = 2.3 V to 2.7 V	1.7	-	-	1.7	-	V
	voltage	V <sub>CC</sub> = 3.0 V to 3.6 V	2.0	-	-	2.0	-	V
V <sub>IL</sub>	LOW-level input	V <sub>CC</sub> = 2.3 V to 2.7 V	-	-	0.7	-	0.7	V
	voltage	V <sub>CC</sub> = 3.0 V to 3.6 V	-	-	0.9	-	0.9	V
I <sub>I</sub>	input leakage current	pin $\overline{OE}$ , S; V <sub>CC</sub> = 3.6 V; V <sub>I</sub> = GND to V <sub>CC</sub>	-	-	±1	-	±20	μΑ
I <sub>S(OFF)</sub>	OFF-state leakage current	V <sub>CC</sub> = 3.6 V; see <u>Fig. 2</u>	-	-	±1	-	±20	μΑ
I <sub>S(ON)</sub>	ON-state leakage current	V <sub>CC</sub> = 3.6 V; see <u>Fig. 3</u>	-	-	±1	-	±20	μΑ
I <sub>OFF</sub>	power-off leakage current	$V_{I}$ or $V_{O} = 0$ V to 3.6 V; $V_{CC} = 0$ V	-	-	±10	-	±50	μΑ
I <sub>CC</sub>	supply current	$V_I$ = GND or $V_{CC}$ ; $V_{SW}$ = GND or $V_{CC}$ ; $V_{CC}$ = 3.6 V; $I_O$ = 0 A	-	-	10	-	50	μΑ
Δl <sub>CC</sub>	additional supply current	pin $\overline{OE}$ , S; $V_{CC}$ = 3.6 V; [2] $V_I = V_{CC}$ - 0.6 V; $V_{SW}$ = GND or $V_{CC}$	-	-	300	-	2000	μA
Cı	input capacitance	pin $\overline{OE}$ , S; V <sub>CC</sub> = 3.3 V; V <sub>I</sub> = 0 V to 3.3 V	-	0.9	-	-	-	pF
C <sub>S(OFF)</sub>	OFF-state capacitance	$V_{CC} = 3.3 \text{ V}; V_1 = 0 \text{ V to } 3.3 \text{ V}$	-	5.2	-	-	-	pF
C <sub>S(ON)</sub>	ON-state capacitance	V <sub>CC</sub> = 3.3 V; V <sub>I</sub> = 0 V to 3.3 V	-	14.3	-	-	-	pF

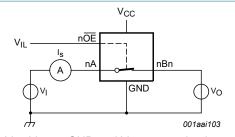
- [1] All typical values are measured at  $T_{amb}$  = 25 °C.
- [2] One input at 3 V, other inputs at V<sub>CC</sub> or GND.

## 10.1. Test circuits



 $V_I = V_{CC}$  or GND and  $V_O = GND$  or  $V_{CC}$ . Fig. 2. Test circuit for measuring OFF-state leakage

current (one switch)



 $V_I = V_{CC}$  or GND and  $V_O =$  open circuit.

Fig. 3. Test circuit for measuring ON-state leakage current (one switch)

#### Quad 1-of-2 multiplexer/demultiplexer

## 10.2. ON resistance

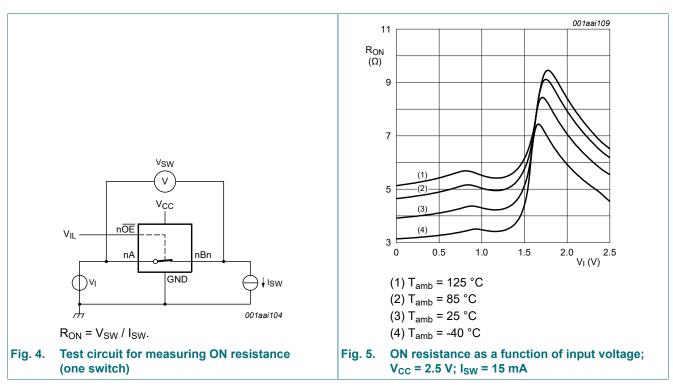
Table 8. Resistance R<sub>ON</sub>

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 4.

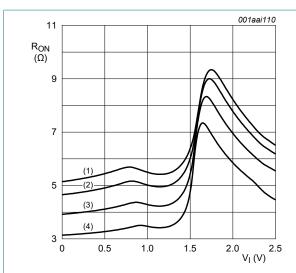
Symbol	Parameter	Conditions	T <sub>amb</sub> = -40 °C to +85 °C		T <sub>an</sub> -40 °C to	Unit		
			Min	Typ[1]	Max	Min	Max	
R <sub>ON</sub>	ON resistance	$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V};$ [2] see Fig. 5 to Fig. 7						
		I <sub>SW</sub> = 64 mA; V <sub>I</sub> = 0 V	-	4.2	8.0	-	15.0	Ω
		I <sub>SW</sub> = 24 mA; V <sub>I</sub> = 0 V	-	4.2	8.0	-	15.0	Ω
		I <sub>SW</sub> = 15 mA; V <sub>I</sub> = 1.7 V	-	8.4	40.0	-	60.0	Ω
		V <sub>CC</sub> = 3.0 V to 3.6 V; see <u>Fig. 8</u> to <u>Fig. 10</u>						
		I <sub>SW</sub> = 64 mA; V <sub>I</sub> = 0 V	-	4.0	7.0	-	11.0	Ω
		I <sub>SW</sub> = 24 mA; V <sub>I</sub> = 0 V	-	4.0	7.0	-	11.0	Ω
		I <sub>SW</sub> = 15 mA; V <sub>I</sub> = 2.4 V	-	6.2	15.0	-	25.5	Ω

- [1] Typical values are measured at  $T_{amb}$  = 25 °C and nominal  $V_{CC}$ .
- [2] Measured by the voltage drop between the A and B terminals at the indicated current through the switch. ON-state resistance is determined by the lower of the voltages of the two (A or B) terminals.

## 10.3. ON resistance test circuit and graphs

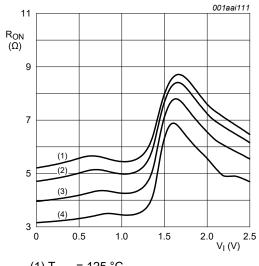


## Quad 1-of-2 multiplexer/demultiplexer



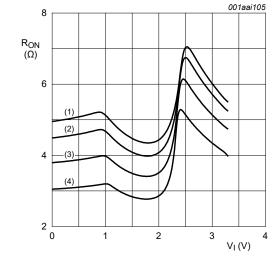
- (1)  $T_{amb} = 125 \, ^{\circ}C$
- (2)  $T_{amb} = 85 \, ^{\circ}C$
- (3) T<sub>amb</sub> = 25 °C
- (4)  $T_{amb} = -40 \, ^{\circ}C$

Fig. 6. ON resistance as a function of input voltage;  $V_{CC} = 2.5 \text{ V}$ ;  $I_{SW} = 24 \text{ mA}$ 



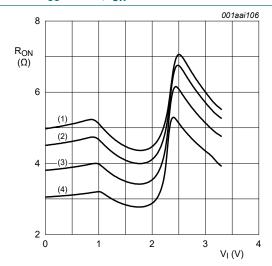
- (1)  $T_{amb} = 125 \, ^{\circ}C$
- (2)  $T_{amb}$  = 85 °C
- (3)  $T_{amb} = 25 \, ^{\circ}C$
- (4)  $T_{amb} = -40 \, ^{\circ}C$

Fig. 7. ON resistance as a function of input voltage;  $V_{CC} = 2.5 \text{ V}$ ;  $I_{SW} = 64 \text{ mA}$ 



- (1)  $T_{amb}$  = 125 °C
- (2) T<sub>amb</sub> = 85 °C
- (3) T<sub>amb</sub> = 25 °C
- (4)  $T_{amb} = -40 \, ^{\circ}C$

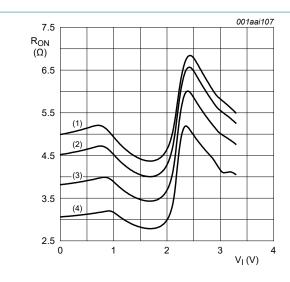
Fig. 8. ON resistance as a function of input voltage;  $V_{CC}$  = 3.3 V;  $I_{SW}$  = 15 mA



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

Fig. 9. ON resistance as a function of input voltage;  $V_{CC} = 3.3 \text{ V}$ ;  $I_{SW} = 24 \text{ mA}$ 

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- (1)  $T_{amb}$  = 125 °C
- (2)  $T_{amb}$  = 85 °C
- (3)  $T_{amb}$  = 25 °C
- (4)  $T_{amb}$  = -40 °C

Fig. 10. ON resistance as a function of input voltage;  $V_{CC}$  = 3.3 V;  $I_{SW}$  = 64 mA

# 11. Dynamic characteristics

**Table 9. Dynamic characteristics** 

GND = 0 V; for test circuit see Fig. 13.

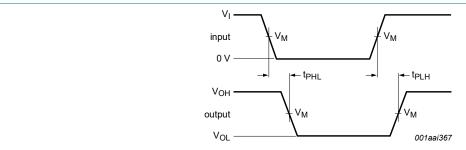
Symbol	Parameter	arameter Conditions		T <sub>amb</sub> = -40 °C to +85 °C			T <sub>amb</sub> = -40 °C to +125 °C	
			Min	Typ[1]	Max	Min	Max	
t <sub>pd</sub>	propagation	nA to nBn or nBn to nA; see Fig. 11 [2] [3]						
	delay	V <sub>CC</sub> = 2.3 V to 2.7 V	-	-	0.15	-	0.25	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	-	-	0.15	-	0.25	ns
		S to nA; see <u>Fig. 11</u> [3]						
		V <sub>CC</sub> = 2.3 V to 2.7 V	1.0	3.8	6.1	1.0	6.7	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	1.0	3.2	5.3	1.0	5.8	ns
t <sub>en</sub>	enable time	OE to nA or nBn; see Fig. 12 [4]						
		V <sub>CC</sub> = 2.3 V to 2.7 V	1.0	2.2	5.6	1.0	6.2	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	1.0	2.0	5.0	1.0	5.5	ns
		S to nBn; see Fig. 12 [4]						
		V <sub>CC</sub> = 2.3 V to 2.7 V	1.0	3.5	6.1	1.0	6.7	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V	1.0	3.0	5.3	1.0	5.8	ns

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Symbol	Parameter	Conditions	T <sub>amb</sub> = -40 °C to +85 °C		+85 °C	T <sub>an</sub>	Unit		
				Min	Typ[1]	Max	Min	Max	
t <sub>dis</sub>	disable time	OE to nA or nBn; see Fig. 12	]						
		V <sub>CC</sub> = 2.3 V to 2.7 V		1.0	2.6	5.5	1.0	6.1	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		1.0	3.1	5.5	1.0	6.1	ns
		S to nBn; see Fig. 12	]						
		V <sub>CC</sub> = 2.3 V to 2.7 V		1.0	2.6	4.8	1.0	5.3	ns
		V <sub>CC</sub> = 3.0 V to 3.6 V		1.0	3.2	4.5	1.0	5.0	ns

- All typical values are measured at  $T_{amb}$  = 25 °C and at nominal  $V_{CC}$ . The propagation delay is the calculated RC time constant of the typical on-state resistance of the switch and the load capacitance, when driven by an ideal voltage source (zero output impedance).
- $t_{pd}$  is the same as  $t_{PLH}$  and  $t_{PHL}$ .
- [4] t<sub>en</sub> is the same as t<sub>PZH</sub> and t<sub>PZL</sub>.
- $t_{dis}$  is the same as  $t_{PHZ}$  and  $t_{PLZ}$ .

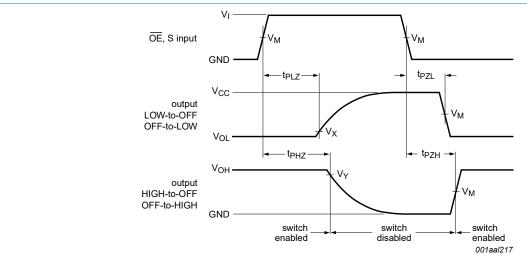
#### 11.1. Waveforms and test circuit



Measurement points are given in Table 10.

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

Fig. 11. The data input (nA or nBn) to output (nBn or nA) propagation delays



Measurement points are given in Table 10.

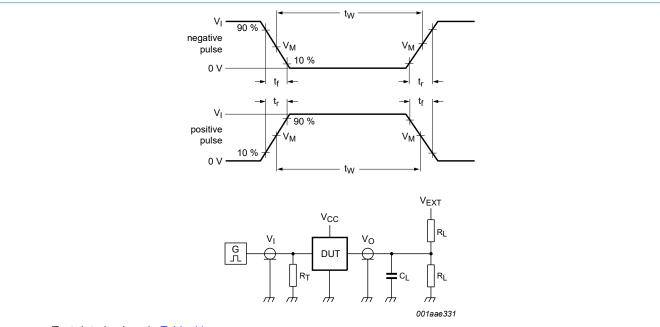
Logic levels:  $V_{OL}$  and  $V_{OH}$  are typical output voltage levels that occur with the output load.

Fig. 12. Enable and disable times

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**Table 10. Measurement points** 

Supply voltage	Input			Output			
V <sub>CC</sub>	$V_{M}$ $V_{I}$ $t_{r} = t_{f}$			V <sub>M</sub>	V <sub>X</sub>	V <sub>Y</sub>	
2.3 V to 2.7 V	0.5 × V <sub>CC</sub>	V <sub>CC</sub>	≤ 2.0 ns	0.5 × V <sub>CC</sub>	V <sub>OL</sub> + 0.15 V	V <sub>OH</sub> - 0.15 V	
3.0 V to 3.6 V	0.5 × V <sub>CC</sub>	V <sub>CC</sub>	≤ 2.0 ns	0.5 × V <sub>CC</sub>	V <sub>OL</sub> + 0.3 V	V <sub>OH</sub> - 0.3 V	



Test data is given in Table 11.

Definitions for test circuit:

R<sub>L</sub> = Load resistance;

C<sub>L</sub> = Load capacitance including jig and probe capacitance;

 $R_T$  = Termination resistance should be equal to the output impedance  $Z_o$  of the pulse generator;

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

Fig. 13. Test circuit for measuring switching times

Table 11. Test data

Supply voltage	Load		V <sub>EXT</sub>			
V <sub>CC</sub>	CL	R <sub>L</sub>	t <sub>PLH</sub> , t <sub>PHL</sub>	t <sub>PZH</sub> , t <sub>PHZ</sub>	t <sub>PZL</sub> , t <sub>PLZ</sub>	
2.3 V to 2.7 V	30 pF	500 Ω	open	GND	2 × V <sub>CC</sub>	
3.0 V to 3.6 V	50 pF	500 Ω	open	GND	2 × V <sub>CC</sub>	

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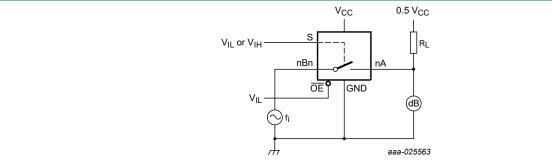
## 11.2. Additional dynamic characteristics

#### 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);  $t_r$  =  $t_f$  ≤ 2.5 ns.

Symbol	Parameter Conditions			T <sub>amb</sub> = 25 °C		
			Min	Тур	Max	
f <sub>(-3dB)</sub>	-3 dB frequency response	$V_{CC} = 3.3 \text{ V}; R_L = 50 \Omega; \text{ see } Fig. 14$ [1]	-	398	-	MHz

#### [1] $f_i$ is biased at $0.5 \times V_{CC}$ .



 $\overline{\text{OE}}$  connected to GND; Adjust  $f_i$  voltage to obtain 0 dBm level at output. Increase  $f_i$  frequency until dB meter reads -3 dB.

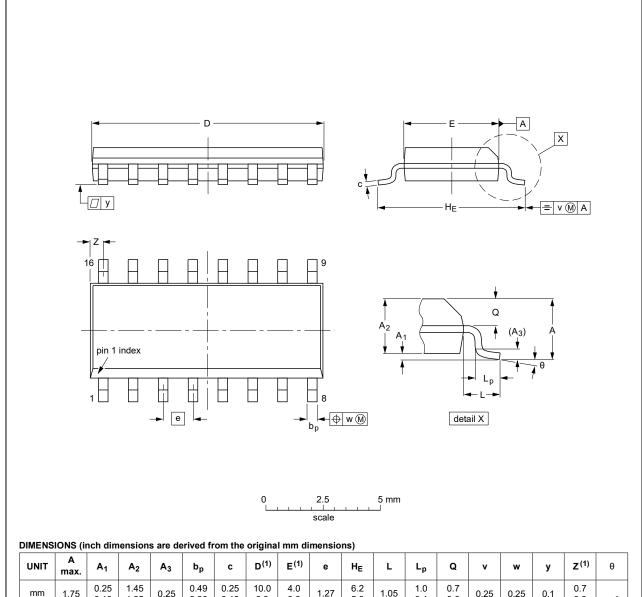
Fig. 14. Test circuit for measuring the frequency response when channel is in ON-state

## Quad 1-of-2 multiplexer/demultiplexer

# 12. Package outline

## SO16: plastic small outline package; 16 leads; body width 3.9 mm

SOT109-1



UNIT	A max.	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	bp	С	D <sup>(1)</sup>	E <sup>(1)</sup>	е	HE	L	Lp	Q	v	w	у	Z <sup>(1)</sup>	θ
mm	1.75	0.25 0.10	1.45 1.25	0.25	0.49 0.36	0.25 0.19	10.0 9.8	4.0 3.8	1.27	6.2 5.8	1.05	1.0 0.4	0.7 0.6	0.25	0.25	0.1	0.7 0.3	8°
inches	0.069	0.010 0.004	0.057 0.049	0.01		0.0100 0.0075	0.39 0.38	0.16 0.15	0.05	0.244 0.228	0.041	0.039 0.016	0.028 0.020	0.01	0.01	0.004	0.028 0.012	0°

1. Plastic or metal protrusions of 0.15 mm (0.006 inch) maximum per side are not included.

OUTLINE		REFER	RENCES	EUROPEAN	ISSUE DATE	
VERSION	IEC	JEDEC	JEITA	PROJECTION		
SOT109-1	076E07	MS-012			<del>99-12-27</del> 03-02-19	

Fig. 15. Package outline SOT109-1 (SO16)

## Quad 1-of-2 multiplexer/demultiplexer

## SSOP16: plastic shrink small outline package; 16 leads; body width 3.9 mm; lead pitch 0.635 mm SOT519-1

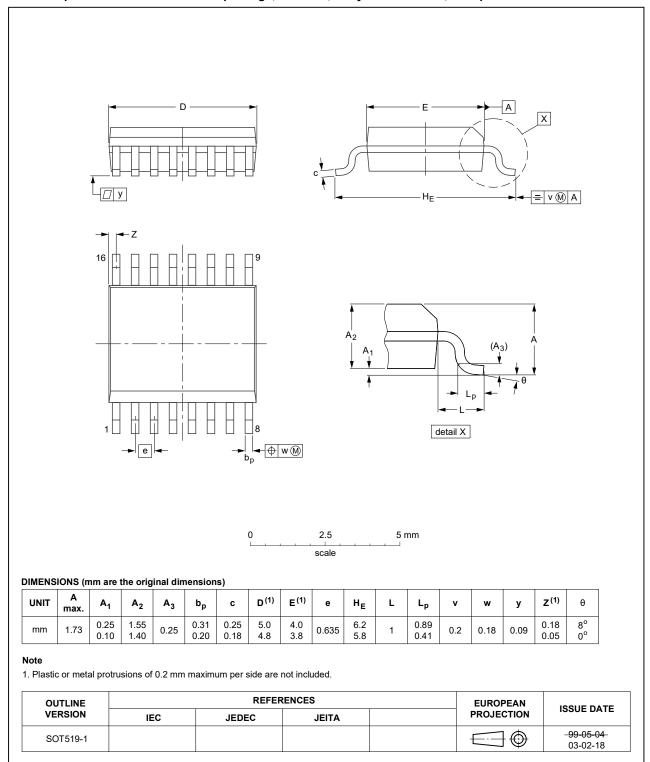
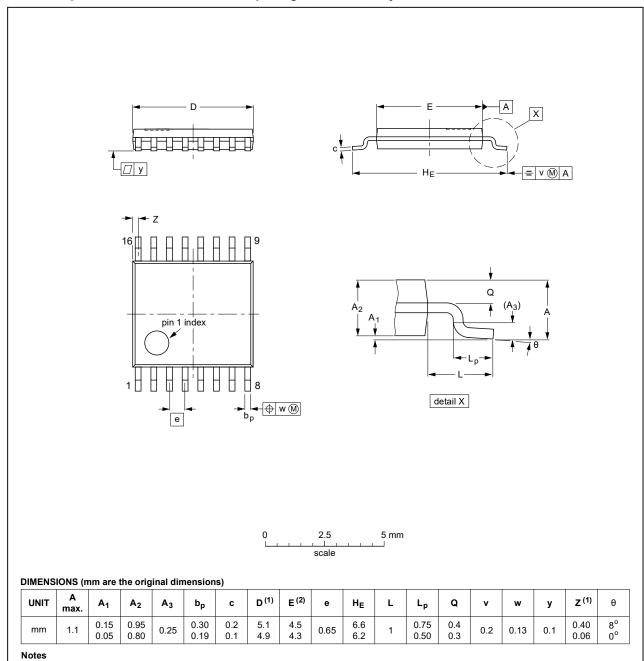


Fig. 16. Package outline SOT519-1 (SSOP16)

## Quad 1-of-2 multiplexer/demultiplexer

TSSOP16: plastic thin shrink small outline package; 16 leads; body width 4.4 mm

SOT403-1



- 1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.
- 2. Plastic interlead protrusions of 0.25 mm maximum per side are not included.

OUTLINE		REFER	ENCES	EUROPEAN	ISSUE DATE
VERSION	IEC	JEDEC	JEITA	PROJECTION	ISSUE DATE
SOT403-1		MO-153			<del>99-12-27</del> 03-02-18

Fig. 17. Package outline SOT403-1 (TSSOP16)

#### Quad 1-of-2 multiplexer/demultiplexer

DHVQFN16: plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 16 terminals; body 2.5 x 3.5 x 0.85 mm SOT763-1

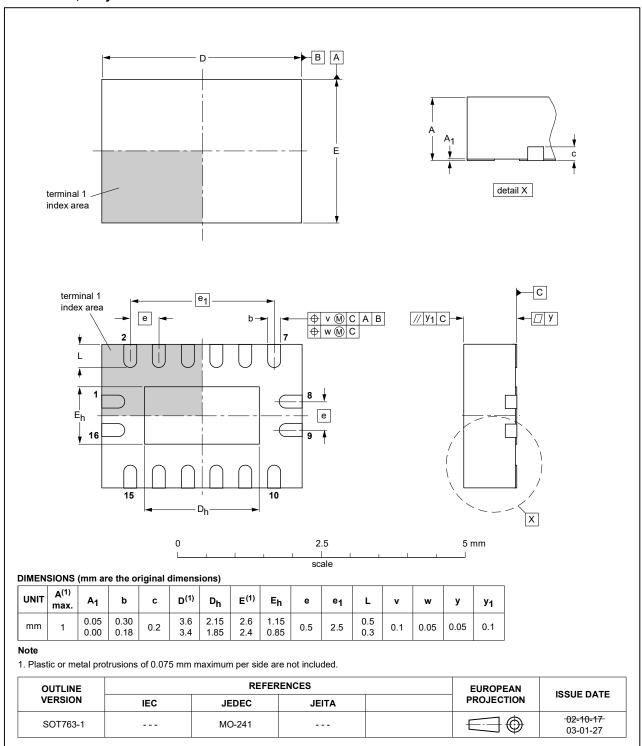


Fig. 18. Package outline SOT763-1 (DHVQFN16)

## Quad 1-of-2 multiplexer/demultiplexer

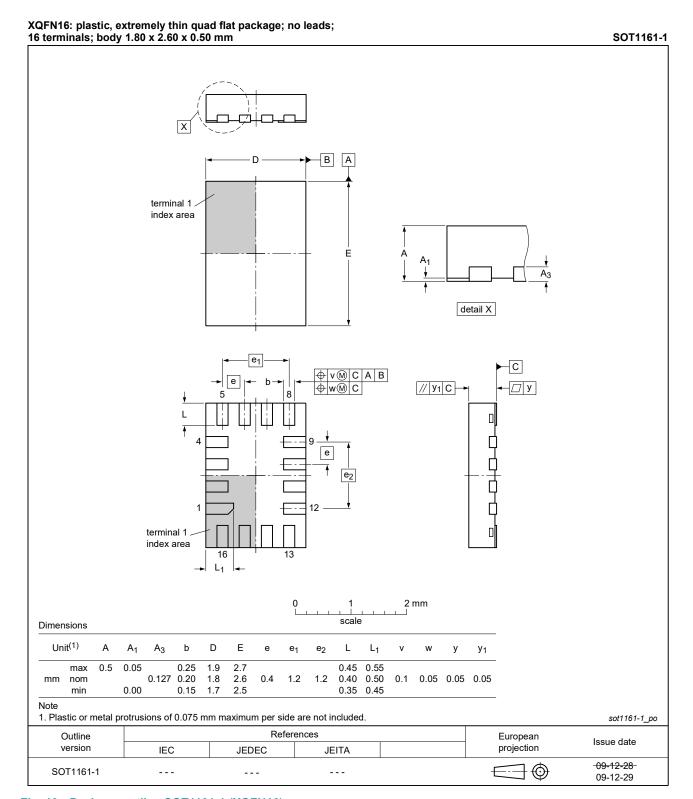


Fig. 19. Package outline SOT1161-1 (XQFN16)

## Quad 1-of-2 multiplexer/demultiplexer

## 13. Abbreviations

#### **Table 13. Abbreviations**

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

# 14. Revision history

## Table 14. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74CBTLV3257 v.8	20230321	Product data sheet	-	74CBTLV3257 v.7
Modifications:	• <u>Table 5</u> : De	erating values for P <sub>tot</sub> tota	al power dissipation	updated.
74CBTLV3257 v.7	20190409	Product data sheet	-	74CBTLV3257 v.6
Modifications:	guidelines • Legal texts	t of this data sheet has be of Nexperia. have been adapted to the sted in <u>Section 11</u> .	· ·	
74CBTLV3257 v.6	20171211	Product data sheet	-	74CBTLV3257 v.5
Modifications:	Type numb	per 74CBTLV3257GU (Sc	OT1161-1 / XQFN16	added.
74CBTLV3257 v.5	20161111	Product data sheet	-	74CBTLV3257 v.4
Modifications:	Section 11	.2 added.		
74CBTLV3257 v.4	20111216	Product data sheet	-	74CBTLV3257 v.3
Modifications:	Legal page	es updated.		
74CBTLV3257 v.3	20110106	Product data sheet	-	74CBTLV3257 v.2
74CBTLV3257 v.2	20101126	Product data sheet	-	74CBTLV3257 v.1
74CBTLV3257 v.1	20100112	Product data sheet	-	-

## Quad 1-of-2 multiplexer/demultiplexer

## 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".
- 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 <a href="https://www.nexperia.com">https://www.nexperia.com</a>.

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