8-bit addressable latch Rev. 9 — 11 March 2024

1. General description

The 74HC259; 74HCT259 is an 8-bit addressable latch. The device features four modes of operation. In the addressable latch mode, data on the D input is written into the latch addressed by the inputs A0 to A3. The addressed latch will follow the data input, non-addressed latches will retain their previous states. In memory mode, all latches retain their previous states and are unaffected by the data or address inputs. In the 3-to-8 decoding or demultiplexing mode, the addressed output follows the D input and all other outputs are LOW. In the reset mode, all outputs are forced LOW and unaffected by the data or address inputs. Inputs include clamp diodes. This enables the use of current limiting resistors to interface inputs to voltages in excess of V_{CC} .

2. Features and benefits

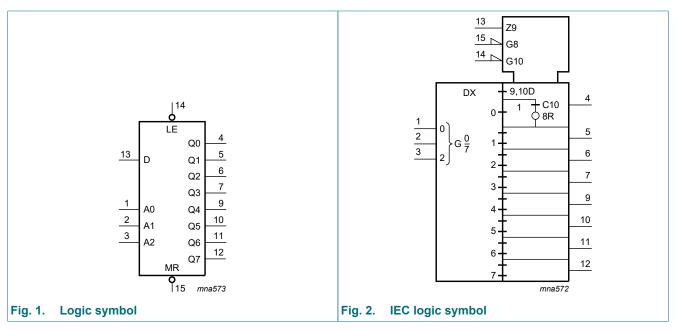
- Wide supply voltage range from 2.0 V to 6.0 V
- Latch-up performance exceeds 100 mA per JESD 78 Class II Level B
- Complies with JEDEC standards:
 - JESD8C (2.7 V to 3.6 V)
 - JESD7A (2.0 V to 6.0 V)
- Combined demultiplexer and 8-bit latch
- Serial-to-parallel capability
- Output from each storage bit available
- Random (addressable) data entry
- Easily expandable
- Common reset input
- Useful as a 3-to-8 active HIGH decoder
- Input levels:
 - For 74HC259: CMOS level
 - For 74HCT259: TTL level
- ESD protection:
 - HBM: ANSI/ESDA/JEDEC JS-001 class 2 exceeds 2000 V
 - CDM: ANSI/ESDA/JEDEC JS-002 class C3 exceeds 1000 V
- Multiple package options
- Specified from -40 °C to +85 °C and from -40 °C to +125 °C

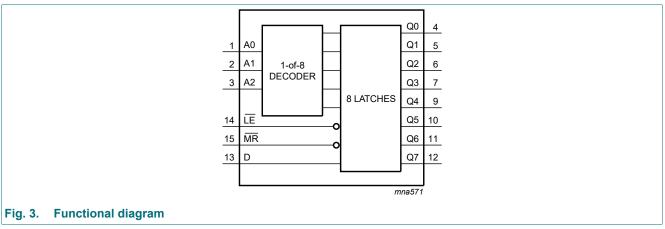
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3. Ordering information

Table 1. Ordering	g information			
Type number	Package			
	Temperature range	Name	Description	Version
74HC259D 74HCT259D	-40 °C to +125 °C	SO16	plastic small outline package; 16 leads; body width 3.9 mm	<u>SOT109-1</u>
74HC259PW 74HCT259PW	-40 °C to +125 °C	TSSOP16	plastic thin shrink small outline package; 16 leads; body width 4.4 mm	<u>SOT403-1</u>
74HC259BQ 74HCT259BQ	-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	<u>SOT763-1</u>
74HC259BZ 74HCT259BZ	-40 °C to +125 °C	DHXQFN16	plastic, leadless dual in-line compatible thermal enhanced extreme thin quad flat package; no leads; 16 terminals; 0.4 mm pitch; body 2 mm × 2.4 mm × 0.48 mm	<u>SOT8016-1</u>

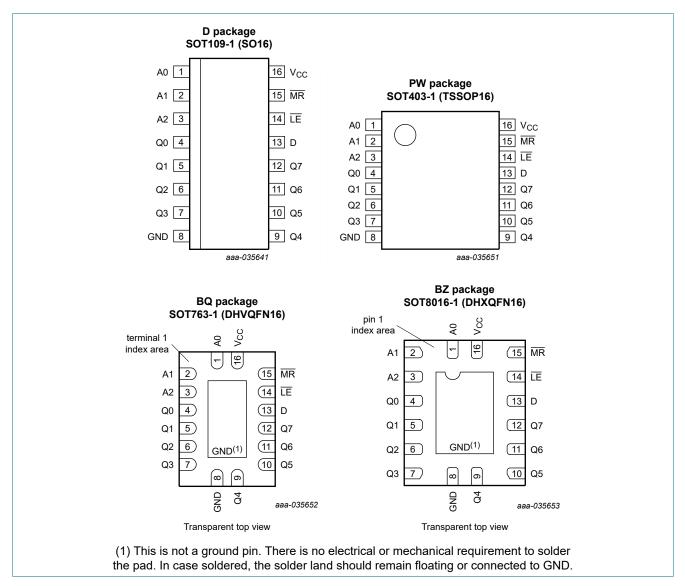
4. Functional diagram





5. Pinning information





5.2. Pin description

Table 2. Pin description		
Symbol	Pin	Description
A0, A1, A2	1, 2, 3	address input
Q0, Q1, Q2, Q3, Q4, Q5, Q6, Q7	4, 5, 6, 7, 9, 10, 11, 12	latch output
GND	8	ground (0 V)
D	13	data input
LE	14	latch enable input (active LOW)
MR	15	conditional reset input (active LOW)
V _{CC}	16	supply voltage

74HC_HCT259

6. Functional description

Table 3. Function table

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

d = HIGH or LOW data one set-up time prior to the LOW-to-HIGH \overline{LE} transition;

q = lower case letter indicates the state of the referenced input one set-up time prior to the LOW-to-HIGH transition.

Operating mode	Input	:					Outpu	t						
	MR	LE	D	A0	A1	A2	Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7
Reset (clear)	L	Н	Х	Х	Х	Х	L	L	L	L	L	L	L	L
Demultiplexer	L	L	d	L	L	L	Q = d	L	L	L	L	L	L	L
(active HIGH 8-channel) decoder (when D = H)	L	L	d	Н	L	L	L	Q = d	L	L	L	L	L	L
	L	L	d	L	Н	L	L	L	Q = d	L	L	L	L	L
	L	L	d	Н	Н	L	L	L	L	Q = d	L	L	L	L
	L	L	d	L	L	Н	L	L	L	L	Q = d	L	L	L
	L	L	d	Н	L	Н	L	L	L	L	L	Q = d	L	L
	L	L	d	L	Н	Н	L	L	L	L	L	L	Q = d	L
	L	L	d	Н	Н	Н	L	L	L	L	L	L	L	Q = d
Memory (no action)	Н	Н	Х	Х	Х	Х	q 0	q ₁	q ₂	q ₃	q ₄	q ₅	q ₆	q ₇
Addressable latch	Н	L	d	L	L	L	Q = d	q ₁	q ₂	q ₃	q ₄	q 5	q ₆	q ₇
	Н	L	d	Н	L	L	q 0	Q = d	q ₂	q ₃	q ₄	q ₅	q ₆	q ₇
	Н	L	d	L	Н	L	q 0	q 1	Q = d	q ₃	q ₄	q 5	q 6	q ₇
	Н	L	d	Н	Н	L	q 0	q ₁	q ₂	Q = d	q ₄	q ₅	q ₆	q ₇
	Н	L	d	L	L	Н	q 0	q 1	q ₂	q ₃	Q = d	q 5	q 6	q ₇
	Н	L	d	Н	L	Н	q 0	q ₁	q ₂	q ₃	q ₄	Q = d	q ₆	q ₇
	Н	L	d	L	Н	Н	q 0	q 1	q ₂	q ₃	q ₄	q ₅	Q = d	q ₇
	Н	L	d	Н	Н	Н	q ₀	q ₁	q ₂	q ₃	q ₄	q ₅	q ₆	Q = d

Table 4. Operating mode select table

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

LE	MR	Mode
L	Н	Addressable latch mode
Н	Н	Memory mode
L	L	Demultiplexer mode
Н	L	Reset mode

7. 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	+7.0	V
I _{IK}	input clamping current	$V_{\rm I}$ < -0.5 V or $V_{\rm I}$ > $V_{\rm CC}$ + 0.5 V	[1]	-	±20	mA
I _{OK}	output clamping current	$V_{\rm O}$ < -0.5 V or $V_{\rm O}$ > $V_{\rm CC}$ + 0.5 V	[1]	-	±20	mA
lo	output current	V_{O} = -0.5 V to V_{CC} + 0.5 V		-	±25	mA
I _{CC}	supply current			-	+70	mA
I _{GND}	ground current			-70	-	mA
T _{stg}	storage temperature			-65	+150	°C
P _{tot}	total power dissipation	T _{amb} = -40 °C to +125 °C				
		SOT109-1 (SO16) SOT403-1 (TSSOP16) SOT763-1 (DHVQFN16)	[2] [3] [4]	-	500	mW
		SOT8016-1 (DHXQFN16)		-	250	mW

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

[2] For SOT109-1 (SO16) package: P_{tot} derates linearly with 12.4 mW/K above 110 °C.

[3] For SOT403-1 (TSSOP16) package: Ptot derates linearly with 8.5 mW/K above 91 °C.

[4] For SOT763-1 (DHVQFN16) package: Ptot derates linearly with 11.2 mW/K above 106 °C.

8. Recommended operating conditions

Table 6. Recommended operating conditions

Voltages are referenced to GND (ground = 0 V)

Symbol	Parameter	Conditions		74HC259)	7	4.5 5.0 5.5 0 - V _{CC} 0 - V _{CC}		
			Min	Тур	Max	Min	Тур	Max	
V _{CC}	supply voltage		2.0	5.0	6.0	4.5	5.0	5.5	V
VI	input voltage		0	-	V _{CC}	0	-	V _{CC}	V
Vo	output voltage		0	-	V _{CC}	0	-	V _{CC}	V
T _{amb}	ambient temperature		-40	-	+125	-40	-	+125	°C
Δt/ΔV	input transition rise and fall rate	V _{CC} = 2.0 V	-	-	625	-	-	-	ns/V
		V _{CC} = 4.5 V	-	1.67	139	-	1.67	139	ns/V
		V _{CC} = 6.0 V	-	-	83	-	-	-	ns/V

9. 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	o +85 °C	-40 °C to	+125 °C	Unit
			Min	Тур	Мах	Min	Max	Min	Max	
74HC259	9	• •						·		
	HIGH-level	V _{CC} = 2.0 V	1.5	1.2	-	1.5	-	1.5	-	V
	input voltage	V _{CC} = 4.5 V	3.15	2.4	-	3.15	-	3.15	-	V
		V _{CC} = 6.0 V	4.2	3.2	-	4.2	-	4.2	-	V

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Symbol	Parameter	Conditions		25 °C		-40 °C t	o +85 °C	-40 °C to	o +125 °C	Unit
			Min	Тур	Max	Min	Мах	Min	Max	
V _{IL}	LOW-level	V _{CC} = 2.0 V	-	0.8	0.5	-	0.5	-	0.5	V
	input voltage	V _{CC} = 4.5 V	-	2.1	1.35	-	1.35	-	1.35	V
		V _{CC} = 6.0 V	-	2.8	1.8	-	1.8	-	1.8	V
V _{OH}	HIGH-level	V _I = V _{IH} or V _{IL}								
	output voltage	I _O = -20 μΑ; V _{CC} = 2.0 V	1.9	2.0	-	1.9	-	1.9	-	V
		I _O = -20 μΑ; V _{CC} = 4.5 V	4.4	4.5	-	4.4	-	4.4	-	V
		I _O = -20 μA; V _{CC} = 6.0 V	5.9	6.0	-	5.9	-	5.9	-	V
		I _O = -4.0 mA; V _{CC} = 4.5 V	3.98	4.32	-	3.84	-	3.7	-	V
		I _O = -5.2 mA; V _{CC} = 6.0 V	5.48	5.81	-	5.34	-	5.2	-	V
V _{OL}	LOW-level	$V_{I} = V_{IH} \text{ or } V_{IL}$								
	output voltage	I _O = 20 μA; V _{CC} = 2.0 V	-	0	0.1	-	0.1	-	0.1	V
		I _O = 20 μΑ; V _{CC} = 4.5 V	-	0	0.1	-	0.1	-	0.1	V
		I _O = 20 μA; V _{CC} = 6.0 V	-	0	0.1	-	0.1	-	0.1	V
		I _O = 4.0 mA; V _{CC} = 4.5 V	-	0.15	0.26	-	0.33	-	0.4	V
		I _O = 5.2 mA; V _{CC} = 6.0 V	-	0.16	0.26	-	0.33	-	0.4	V
lı	input leakage current	$V_{I} = V_{CC}$ or GND; $V_{CC} = 6.0 V$	-	-	±0.1	-	±1	-	±1	μA
I _{CC}	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 6.0$ V	-	-	8.0	-	80	-	160	μA
Cı	input capacitance		-	3.5	-	-	-	-	-	pF
74HCT2	59			1		1	1		1	
V _{IH}	HIGH-level input voltage	V _{CC} = 4.5 V to 5.5 V	2.0	1.6	-	2.0	-	2.0	-	V
V _{IL}	LOW-level input voltage	V _{CC} = 4.5 V to 5.5 V	-	1.2	0.8	-	0.8	-	0.8	V
V _{OH}	HIGH-level	$V_{I} = V_{IH} \text{ or } V_{IL}; V_{CC} = 4.5 \text{ V}$								
	output voltage	l _O = -20 μA	4.4	4.5	-	4.4	-	4.4	-	V
		I _O = -4.0 mA	3.98	4.32	-	3.84	-	3.7	-	V
V _{OL}	LOW-level	$V_{I} = V_{IH} \text{ or } V_{IL}; V_{CC} = 4.5 \text{ V}$								
	output voltage	I _O = 20 μΑ; V _{CC} = 4.5 V	-	0	0.1	-	0.1	-	0.1	V
		I _O = 5.2 mA; V _{CC} = 6.0 V	-	0.15	0.26	-	0.33	-	0.4	V
lı	input leakage current	$V_{I} = V_{CC}$ or GND; $V_{CC} = 5.5 V$	-	-	±0.1	-	±1	-	±1	μA
I _{CC}	supply current	V _I = V _{CC} or GND; I _O = 0 A; V _{CC} = 5.5 V	-	-	8.0	-	80	-	160	μA
ΔI _{CC}	additional supply current	$V_{I} = V_{CC} - 2.1 \text{ V}; I_{O} = 0 \text{ A};$ other inputs at V _{CC} or GND; V _{CC} = 4.5 V to 5.5 V								
		pin An, LE	-	150	540	-	675	-	735	μA
		pin D	-	120	432	-	540	-	588	μA
		pin MR	-	75	270	-	338	-	368	μA
CI	input capacitance		-	3.5	-	-	-	-	-	pF

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10. Dynamic characteristics

Table 8. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 10.

Symbol	Parameter	Conditions		25 °C		-40 °C t	o +85 °C	-40 °C to	o +125 °C	Unit
			Min	Typ[1]	Мах	Min	Max	Min	Max	
74HC25	9								•	
t _{pd}	propagation	D to Qn; see Fig. 4 [2]								
	delay	V _{CC} = 2.0 V	-	58	185	-	230	-	280	ns
		V _{CC} = 4.5 V	-	21	37	-	46	-	56	ns
		V _{CC} = 5.0 V; C _L = 15 pF	-	18	-	-	-	-	-	ns
		V _{CC} = 6.0 V	-	17	31	-	39	-	48	ns
		An to Qn; see Fig. 5 [2]								
		V _{CC} = 2.0 V	-	58	185	-	230	-	280	ns
		V _{CC} = 4.5 V	-	21	37	-	46	-	56	ns
		V _{CC} = 5.0 V; C _L = 15 pF	-	17	-	-	-	-	-	ns
		V _{CC} = 6.0 V	-	17	31	-	39	-	48	ns
		LE to Qn; see Fig. 6 [2]								
		V _{CC} = 2.0 V	-	55	170	-	215	-	255	ns
		V _{CC} = 4.5 V	-	20	34	-	43	-	51	ns
		V _{CC} = 5.0 V; C _L = 15 pF	-	17	-	-	-	-	-	ns
		V _{CC} = 6.0 V	-	16	29	-	37	-	43	ns
t _{PHL}	HIGH to LOW	MR to Qn; see Fig. 7								
	propagation	V _{CC} = 2.0 V	-	50	155	-	195	_	235	ns
	delay	V _{CC} = 4.5 V	-	18	31	-	39	_	47	ns
		V _{CC} = 5.0 V; C _L = 15 pF	-	15	-	-	-	-	-	ns
		V _{CC} = 6.0 V	-	14	26	-	33	-	40	ns
t _t	transition time	see <u>Fig. 6</u> [3]								
		V _{CC} = 2.0 V	-	19	75	-	95	-	119	ns
		V _{CC} = 4.5 V	-	7	15	-	19	-	22	ns
		V _{CC} = 6.0 V	-	6	13	-	16	-	19	ns
t _W	pulse width	LE HIGH or LOW; see Fig. 6								
		V _{CC} = 2.0 V	70	17	-	90	-	105	-	ns
		V _{CC} = 4.5 V	14	6	-	18	-	21	-	ns
		V _{CC} = 6.0 V	12	5	-	15	-	18	-	ns
		MR LOW; see Fig. 7								
		V _{CC} = 2.0 V	70	17	-	90	-	105	-	ns
		V _{CC} = 4.5 V	14	6	-	18	-	21	-	ns
		V _{CC} = 6.0 V	12	5	-	15	-	18	-	ns
t _{su}	set-up time	D, An to LE; see <u>Fig. 8</u> and <u>Fig. 9</u>								
		V _{CC} = 2.0 V	80	19	-	100	-	120	-	ns
		V _{CC} = 4.5 V	16	7	-	20	-	24	-	ns
		V _{CC} = 6.0 V	14	6	_	17	_	20	_	ns

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Symbol	Parameter	Conditions		25 °C		-40 °C t	o +85 °C	-40 °C t	o +125 °C	Unit
			Min	Typ[1]	Max	Min	Мах	Min	Max	
t _h	hold time	D to LE; see <u>Fig. 8</u> and <u>Fig. 9</u>								
		V _{CC} = 2.0 V	0	-19	-	0	-	0	-	ns
		V _{CC} = 4.5 V	0	-6	-	0	-	0	-	ns
		V _{CC} = 6.0 V	0	-5	-	0	-	0	-	ns
		An to LE; see <u>Fig. 8</u> and <u>Fig. 9</u>								
		V _{CC} = 2.0 V	2	-11	-	2	-	2	-	ns
		V _{CC} = 4.5 V	2	-4	-	2	-	2	-	ns
		V _{CC} = 6.0 V	2	-3	-	2	-	2	-	ns
C _{PD}	power dissipation capacitance	$f_i = 1 \text{ MHz}; V_1 = \text{GND to } V_{\text{CC}}$ [4]	-	19	-	-	-	-	-	pF
74HCT2	59			1	1	1	1			1
t _{pd}	propagation	D to Qn; see Fig. 4 [2]								
	delay	V _{CC} = 4.5 V	-	23	39	-	49	-	59	ns
		V _{CC} = 5.0 V; C _L = 15 pF	-	20	-	-	-	_	_	ns
		An to Qn; see Fig. 5 [2]								
		V _{CC} = 4.5 V	-	25	41		51		62	ns
		V _{CC} = 5.0 V; C _L = 15 pF	-	20	-	-	-	-	-	ns
		LE to Qn; see Fig. 6 [2]								
		V _{CC} = 4.5 V	-	22	38	-	48	-	57	ns
		V _{CC} = 5.0 V; C _L = 15 pF	-	20	-	-	-	-	-	ns
t _{PHL}	HIGH to LOW	MR to Qn; see <u>Fig. 7</u>								
	propagation	V _{CC} = 4.5 V	-	23	39	-	49	-	59	ns
	delay	V _{CC} = 5.0 V; C _L = 15 pF	-	20	-	-	-	-	-	ns
t _t	transition time	see <u>Fig. 6</u> [3]								
		V _{CC} = 4.5 V	-	7	15	-	19	-	22	ns
t _W	pulse width	LE HIGH or LOW; see Fig. 6								
		V _{CC} = 4.5 V	19	11	-	24	-	29	-	ns
		MR LOW; see Fig. 7								
		V _{CC} = 4.5 V	18	10	-	23	-	27	-	ns
t _{su}	set-up time	D, An to LE; see <u>Fig. 8</u> and <u>Fig. 9</u>								
		V _{CC} = 4.5 V	17	10	-	21	-	26	-	ns
t _h	hold time	D to LE; see <u>Fig. 8</u> and <u>Fig. 9</u>								
		V _{CC} = 4.5 V	0	-8	-	0	-	0	-	ns
		An to LE; see <u>Fig. 8</u> and <u>Fig. 9</u>								
		V _{CC} = 4.5 V	0	-4	-	0	-	0	-	ns

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Symbol	Parameter	Conditions	25 °C		-40 °C to +85 °C		-40 °C to +125 °C		Unit	
			Min	Typ[1]	Мах	Min	Max	Min	Max	
C _{PD}	power dissipation capacitance	$f_i = 1 \text{ MHz};$ [4] V _I = GND to V _{CC} - 1.5 V	-	19	-	-	-	-	-	pF

[1] Typical values are measured at nominal supply voltage (V_{CC} = 3.3 V and V_{CC} = 5.0 V).

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

[3] t_t is the same as t_{THL} and t_{TLH} .

[4] C_{PD} is used to determine the dynamic power dissipation (P_D in μW).

 $P_{D} = C_{PD} \times V_{CC}^{2} \times f_{i} \times N + \Sigma (C_{L} \times V_{CC}^{2} \times f_{o}) \text{ where:}$

f_i = input frequency in MHz;

 f_o = output frequency in MHz;

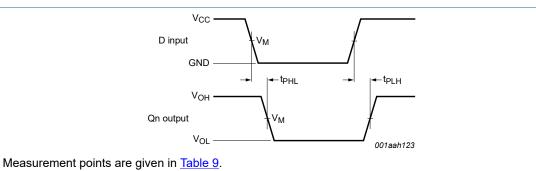
C_L = output load capacitance in pF;

V_{CC} = supply voltage in V;

N = number of inputs switching;

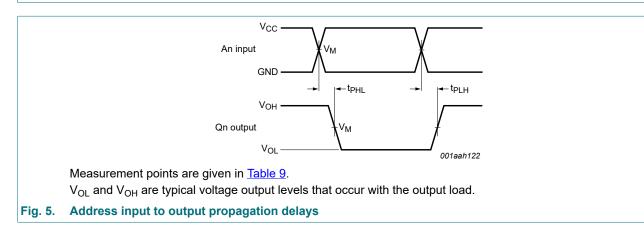
 $\Sigma(C_L \times V_{CC}^2 \times f_0) = \text{sum of the outputs.}$

10.1. Waveforms and test circuit



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

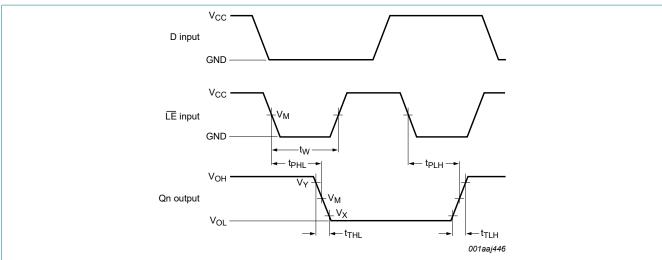
Fig. 4. Data input to output propagation delays



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74HC259; 74HCT259

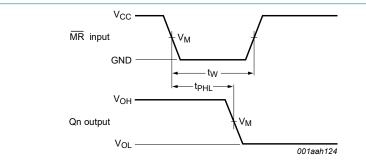
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Measurement points are given in Table 9.

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

Fig. 6. Enable input to output propagation delays and pulse width



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

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

Fig. 7. Master reset input to output propagation delays

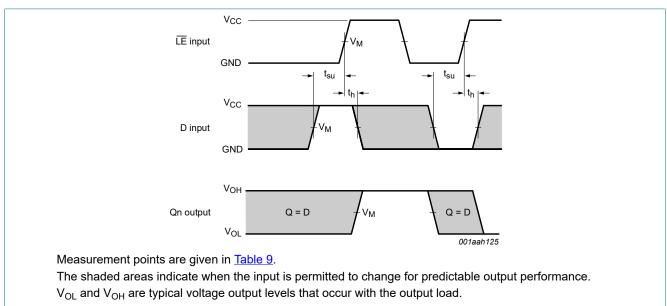
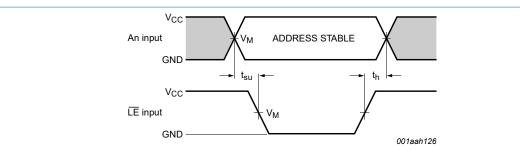


Fig. 8. Data input to latch enable input set-up and hold times

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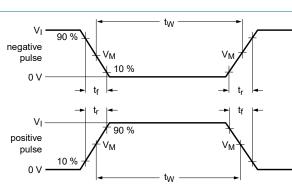
Measurement points are given in <u>Table 9</u>.

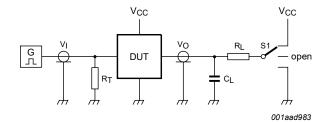
The shaded areas indicate when the input is permitted to change for predictable output performance. V_{OL} and V_{OH} are typical voltage output levels that occur with the output load.

Fig. 9. Address input to latch enable input set-up and hold times

Table 9. Measurement points

Туре	Input	Output		
	V _M	V _M	V _X	V _Y
74HC259	0.5 × V _{CC}	0.5 × V _{CC}	0.1 × V _{CC}	$0.9 \times V_{CC}$
74HCT259	1.3 V	1.3 V	0.1 × V _{CC}	$0.9 \times V_{CC}$





Test data is given in Table 10.

Definitions test circuit:

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

C_L = Load capacitance including jig and probe capacitance;

R_L = Load resistance;

S1 = Test selection switch.

Fig. 10. Test circuit for measuring switching times

Table 10. Test data

Туре	Input		Load		S1 position
	VI	t _r , t _f	CL	RL	t _{PHL} , t _{PLH}
74HC259	V _{CC}	6 ns	15 pF, 50 pF	1 kΩ	open
74HCT259	3 V	6 ns	15 pF, 50 pF	1 kΩ	open

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11. Package outline

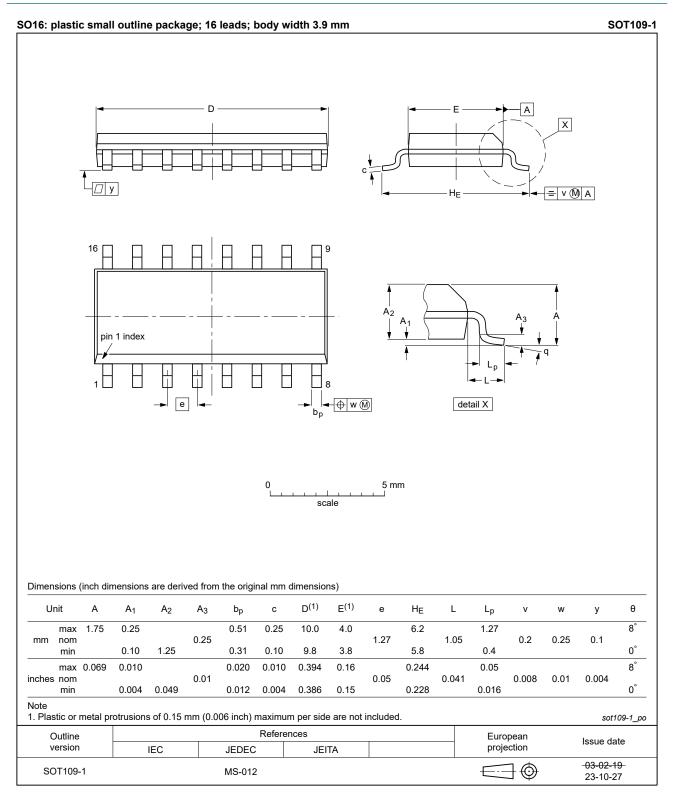


Fig. 11. Package outline SOT109-1 (SO16)

8-bit addressable latch

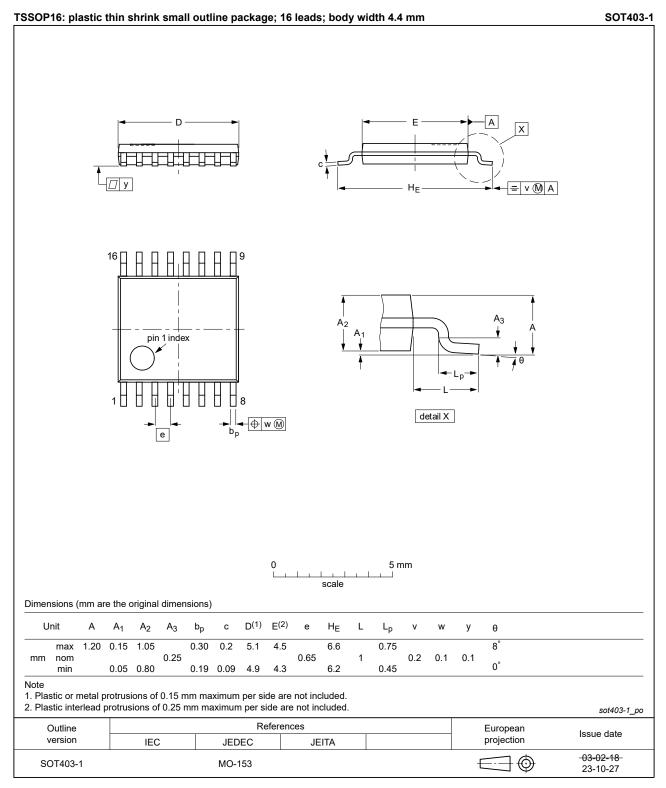


Fig. 12. Package outline SOT403-1 (TSSOP16)

8-bit addressable latch

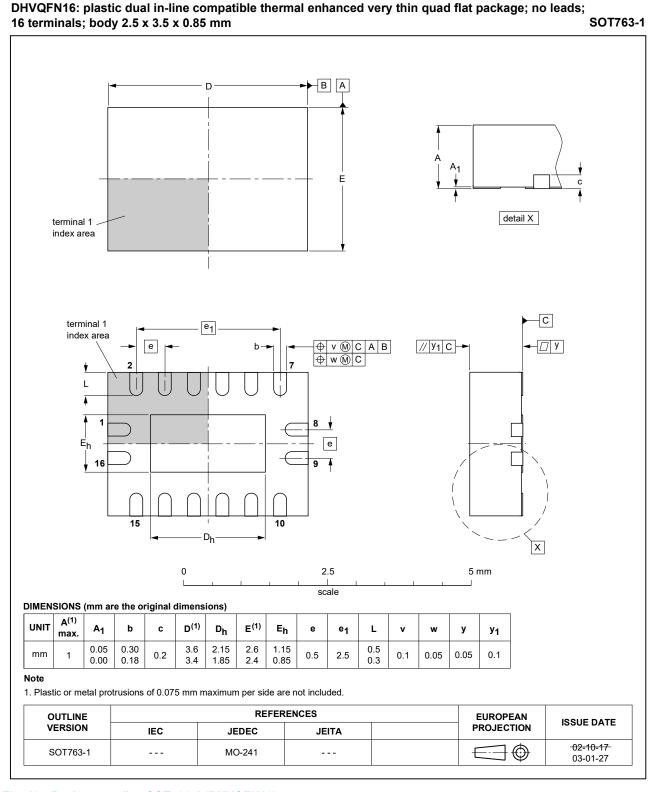
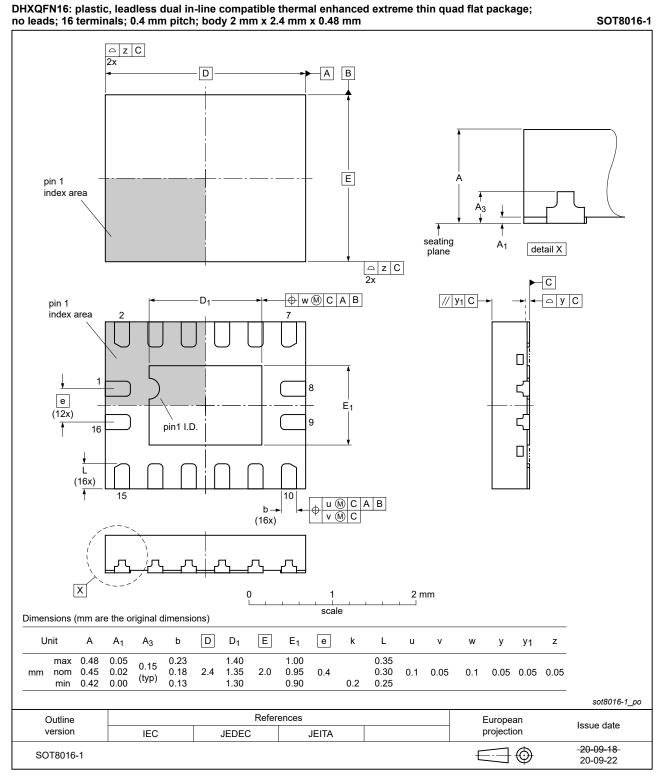


Fig. 13. Package outline SOT763-1 (DHVQFN16)

8-bit addressable latch





12. Abbreviations

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

13. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes		
74HC_HCT259 v.9	20240311	Product data sheet	-	74HC_HCT259 v.8		
Modifications:	 Fig. 11, Fig. 12: Aligned SO and TSSOP package outline drawings to JEDEC MS-012 and MO-153. Section 2: ESD specification updated according to the latest JEDEC standard. 					
74HC_HCT259 v.8	20221205	Product data sheet	-	74HC_HCT259 v.7		
Modifications:	• Type numbers 74HC259BZ and 74HCT259BZ (SOT8016-1/DHXQFN16) added.					
74HC_HCT259 v.7	20200902	Product data sheet	-	74HC_HCT259 v.6		
	Type number 7 <u>Section 2</u> update	ve been adapted to the new co 74HC259DB and 74HCT259DI ated. ing values for P _{tot} total power o	B (SOT338-1/SSOF	P16) removed.		
74HC_HCT259 v.6	20160202	Product data sheet	-	74HC_HCT259 v.5		
Modifications:	Type numbers 74HC259N and 74HCT259N (SOT38-4) removed.					
74HC_HCT259 v.5	20120807	Product data sheet	-	74HC_HCT259 v.4		
Modifications:	 The format of this data sheet has been redesigned to comply with the new identity guidelines of NXP Semiconductors. Legal texts have been adapted to the new company name where appropriate. 					
74HC_HCT259 v.4	20090225	Product data sheet	-	74HC_HCT259 v.3		
Modifications:	 Added type number 74HC259N and 74HCT259N (DIP16 package) Added type number 74HC259DB and 74HCT259DB (SSOP16 package) 					
74HC_HCT259 v.3	20090108	Product data sheet	-	74HC_HCT259_CNV v.2		
74HC_HCT259_CNV v.2	19970828	Product specification	-	-		

14. 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".
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