74HC240; 74HCT240 Octal buffer/line driver; 3-state; inverting Rev. 4 — 25 February 2016

Product data sheet

1. **General description**

The 74HC240; 74HCT240 is an 8-bit inverting buffer/line driver with 3-state outputs. The device can be used as two 4-bit buffers or one 8-bit buffer. The device features two output enables (1OE and 2OE), each controlling four of the 3-state outputs. A HIGH on nOE causes the outputs to assume a high-impedance OFF-state. 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**

- Complies with JEDEC standard JESD7A
- Input levels:
 - For 74HC240: CMOS level
 - For 74HCT240: TTL level
- Inverting 3-state outputs
- ESD protection:
 - HBM JESD22-A114F exceeds 2000 V
 - MM JESD22-A115-A exceeds 200 V
- Multiple package options
- Specified from -40 °C to +85 °C and from -40 °C to +125 °C

3. **Ordering information**

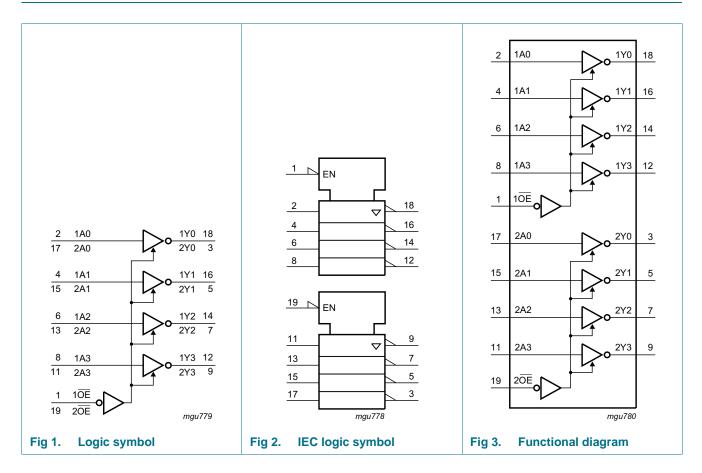
Table 1. **Ordering information**

Type number	Package	Package								
	Temperature range	Name	Description	Version						
74HC240D -40 °C to +125 °C SO20		SO20	plastic small outline package; 20 leads;	SOT163-1						
74HCT240D			body width 7.5 mm							
74HC240DB	–40 °C to +125 °C	SSOP20	plastic shrink small outline package; 20 leads; body	SOT339-1						
74HCT240DB			width 5.3 mm							
74HC240PW	–40 °C to +125 °C	TSSOP20	plastic thin shrink small outline package; 20 leads;	SOT360-1						
74HCT240PW			body width 4.4 mm							
74HC240BQ	–40 °C to +125 °C	DHVQFN20	plastic dual-in-line compatible thermal enhanced very	SOT764-1						
74HCT240BQ			thin quad flat package; no leads; 20 terminals; body $2.5 \times 4.5 \times 0.85$ mm							



Octal buffer/line driver; 3-state; inverting

4. Functional diagram

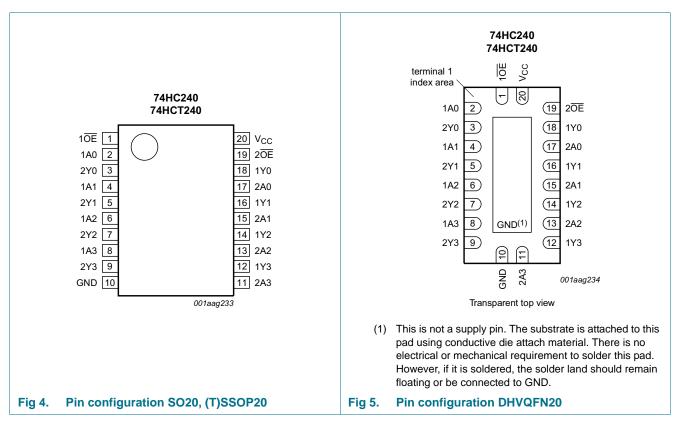


2 of 17

Octal buffer/line driver; 3-state; inverting

5. Pinning information

5.1 Pinning



5.2 Pin description

Table 2. Pin description							
Symbol	Pin	Description					
10E, 20E	1, 19	output enable input (active LOW)					
1A0, 1A1, 1A2, 1A3	2, 4, 6, 8	data input					
2Y0, 2Y1, 2Y2, 2Y3	3, 5, 7, 9	bus output					
GND	10	ground (0 V)					
2A0, 2A1, 2A2, 2A3	17, 15, 13, 11	data input					
1Y0, 1Y1, 1Y2, 1Y3	18, 16, 14, 12	bus output					
V _{CC}	20	supply voltage					

Octal buffer/line driver; 3-state; inverting

6. Functional description

Table 3.Function table^[1]

Input nOE	Output	
nOE	nAn	nYn
L	L	Н
L	Н	L
Н	X	Z

[1] H = HIGH voltage level;

L = LOW voltage level;

X = don't care;

Z = high-impedance OFF-state.

7. Limiting values

Table 4.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	V
I _{IK}	input clamping current	V_{I} < -0.5 V or V_{I} > V_{CC} + 0.5 V		-	±20	mA
Ι _{ΟΚ}	output clamping current	V_{O} < -0.5 V or V_{O} > V_{CC} + 0.5 V		-	±20	mA
I _O	output current	$-0.5 \text{ V} < \text{V}_{\text{O}} < \text{V}_{\text{CC}} + 0.5 \text{ V}$		-	±35	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	SO20, SSOP20, TSSOP20 and DHVQFN20 packages	<u>[1]</u>	-	500	mW

For SO20 packages: above 70 °C, P_{tot} derates linearly with 8 mW/K.
 For SSOP20 and TSSOP20 packages: above 60 °C, P_{tot} derates linearly with 5.5 mW/K.
 For DHVQFN20 packages: above 60 °C, P_{tot} derates linearly with 4.5 mW/K.

8. Recommended operating conditions

Table 5. Recommended operating conditions

Symbol	Parameter	Conditions 74HC240		7	4HCT24	0	Unit		
			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
$\Delta t / \Delta V$	input transition rise and	V _{CC} = 2.0 V	-	-	625	-	-	-	ns/V
	fall rate	V _{CC} = 4.5 V	-	1.67	139	-	1.67	139	ns/V
		V _{CC} = 6.0 V	-	-	83	-	-	-	ns/V
T _{amb}	ambient temperature		-40	+25	+125	-40	+25	+125	°C

74HC_HCT240
Product data sheet

Octal buffer/line driver; 3-state; inverting

9. Static characteristics

Table 6. Static characteristics

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

Symbol	Parameter	Conditions		25 °C		–40 °C t	o +85 °C	–40 °C to	o +125 °C	Unit
			Min	Тур	Max	Min	Max	Min	Max	
74HC24	D						1		-	
VIH	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
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	$V_{I} = V_{IH} \text{ or } V_{IL}$								
	output voltage	$I_0 = -20 \ \mu A; V_{CC} = 2.0 \ V$	1.9	2.0	-	1.9	-	1.9	-	V
		$I_0 = -20 \ \mu A; V_{CC} = 4.5 \ V$	4.4	4.5	-	4.4	-	4.4	-	V
		$I_0 = -20 \ \mu A; V_{CC} = 6.0 \ V$	5.9	6.0	-	5.9	-	5.9	-	V
		$I_{O} = -6.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	3.98	4.32	-	3.84	-	3.7	-	V
		$I_{O} = -7.8 \text{ mA}; V_{CC} = 6.0 \text{ V}$	5.48	5.81	-	5.34	-	5.2	-	V
V _{OL}	LOW-level	$V_{I} = V_{IH} \text{ or } V_{IL}$								
	output voltage	$I_0 = 20 \ \mu\text{A}; \ V_{CC} = 2.0 \ V$	-	0	0.1	-	0.1	-	0.1	V
		$I_0 = 20 \ \mu A; \ V_{CC} = 4.5 \ V$	-	0	0.1	-	0.1	-	0.1	V
		$I_0 = 20 \ \mu A; \ V_{CC} = 6.0 \ V$	-	0	0.1	-	0.1	-	0.1	V
	$I_0 = 6.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	0.15	0.26	-	0.33	-	0.4	V	
		$I_0 = 7.8 \text{ mA}; V_{CC} = 6.0 \text{ V}$	-	0.16	0.26	-	0.33	-	0.4	V
I	input leakage current	$V_I = V_{CC} \text{ or GND};$ $V_{CC} = 6.0 \text{ V}$	-	-	±0.1	-	±1.0	-	±1.0	μΑ
I _{OZ}	OFF-state output current	$V_{I} = V_{IH} \text{ or } V_{IL}; V_{CC} = 6.0 \text{ V};$ $V_{O} = V_{CC} \text{ or GND}$	-	-	±0.5	-	±5.0	-	±10	μΑ
I _{CC}	supply current	$V_I = V_{CC}$ or GND; $I_O = 0$ A; $V_{CC} = 6.0$ V	-	-	8.0	-	80	-	160	μΑ
Cı	input capacitance		-	3.5	-	-	-	-	-	pF
74HCT2	40									
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 _{ОН}	HIGH-level	$V_{I} = V_{IH} \text{ or } V_{IL}; V_{CC} = 4.5 \text{ V}$								
-	output voltage	$I_{O} = -20 \ \mu A$	4.4	4.5	-	4.4	-	4.4	-	V
		$I_0 = -6 \text{ mA}$	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	$I_{O} = 20 \ \mu A$	-	0	0.1	-	0.1	-	0.1	V
-		$I_0 = 6.0 \text{ mA}$		0.16	0.26		0.33		0.4	V

74HC_HCT240
Product data sheet

Octal buffer/line driver; 3-state; inverting

Symbol	Parameter	Conditions		25 °C		–40 °C t	o +85 °C	–40 °C to +125 °C		Unit
			Min	Тур	Max	Min	Max	Min	Max	
I _I	input leakage current	$V_I = V_{CC}$ or GND; $V_{CC} = 5.5 V$	-	-	±0.1	-	±1.0	-	±1.0	μA
I _{OZ}	OFF-state output current	$V_I = V_{IH} \text{ or } V_{IL}; V_{CC} = 5.5 \text{ V};$ $V_O = V_{CC} \text{ or GND}$	-	-	±0.5	-	±5.0	-	±10	μA
I _{CC}	supply current	$V_{I} = V_{CC} \text{ or GND};$ $V_{CC} = 5.5 \text{ V}; I_{O} = 0 \text{ A}$	-	-	8.0	-	80	-	160	μA
ΔI _{CC}	additional supply current	per input pin; $V_I = V_{CC} - 2.1 V$; other inputs at V_{CC} or GND; $V_{CC} = 4.5 V$ to 5.5 V; $I_O = 0 A$								
		nAn or inputs	-	150	540	-	675	-	735	μA
		nOE input	-	70	252	-	315	-	343	μA
CI	input capacitance		-	3.5	-	-	-	-	-	pF

Table 6. Static characteristics ...continued

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

10. Dynamic characteristics

Table 7. Dynamic characteristics

GND = 0 V; for test circuit see <u>Figure 8</u>.

Symbol	Parameter	Conditions			25 °C		-40 °C to	o +125 ℃	Unit
				Min	Тур	Мах	Max (85 °C)	Max (125 °C)	
74HC240)	1							_
t _{pd}	propagation delay	nAn to nYn; see Figure 6	<u>[1]</u>						
		V _{CC} = 2.0 V		-	30	100	125	150	ns
		$V_{CC} = 4.5 V$		-	11	20	25	30	ns
		$V_{CC} = 5.0 \text{ V}; \text{ C}_{L} = 15 \text{ pF}$		-	9	-	-	-	ns
		V _{CC} = 6.0 V		-	9	17	21	26	ns
t _{en}	enable time	nOE to nYn; see Figure 7	[2]						
		V _{CC} = 2.0 V		-	39	150	190	225	ns
		V _{CC} = 4.5 V		-	14	30	38	45	ns
		V _{CC} = 6.0 V		-	11	26	33	38	ns
t _{dis}	disable time	nOE to nYn or see Figure 7	<u>[3]</u>						
		V _{CC} = 2.0 V		-	41	150	190	225	ns
		$V_{CC} = 4.5 V$		-	15	30	38	45	ns
		V _{CC} = 6.0 V		-	12	26	33	38	ns
tt	transition time	see Figure 6	[4]						
		V _{CC} = 2.0 V		-	14	60	75	90	ns
		V _{CC} = 4.5 V		-	5	12	15	18	ns
		V _{CC} = 6.0 V		-	4	10	13	15	ns

Octal buffer/line driver; 3-state; inverting

Symbol	Parameter	Conditions			25 °C		-40 °C to	o +125 ℃	Unit
				Min	Тур	Max	Max (85 °C)	Max (125 °C)	
C _{PD}	power dissipation capacitance	per transceiver; $V_I = GND$ to V_{CC}	<u>[5]</u>	-	30	-	-	-	pF
74HCT24	10								
t _{pd}	propagation delay	nAn to nYn; see Figure 6	<u>[1]</u>						
		V _{CC} = 4.5 V		-	11	20	25	30	ns
		$V_{CC} = 5.0 \text{ V}; \text{ C}_{L} = 15 \text{ pF}$		-	9	-	-	-	ns
t _{en}	enable time	$n\overline{OE}$ to nYn; V _{CC} = 4.5 V; see Figure 7			13	30	38	45	ns
t _{dis}	disable time	$n\overline{OE}$ to nYn; V _{CC} = 4.5 V; [3] see Figure 7		-	13	25	31	38	ns
t _t	transition time	V _{CC} = 4.5 V; see <u>Figure 6</u>	<u>[4]</u>	-	5	12	15	18	ns
C _{PD}	power dissipation capacitance	per transceiver; [5] $V_I = GND \text{ to } V_{CC} - 1.5 \text{ V}$		-	30	-	-	-	pF

Dynamic characteristics ... continued Table 7. GND = 0 V; for test circuit see Figure 8.

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

[2] t_{en} is the same as t_{PZH} and t_{PZL} .

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

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

[5] C_{PD} is used to determine the dynamic power dissipation (P_D in μ W):

 $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \sum (C_L \times V_{CC}^2 \times f_o)$ where:

 f_i = input frequency in MHz;

fo = output frequency in MHz;

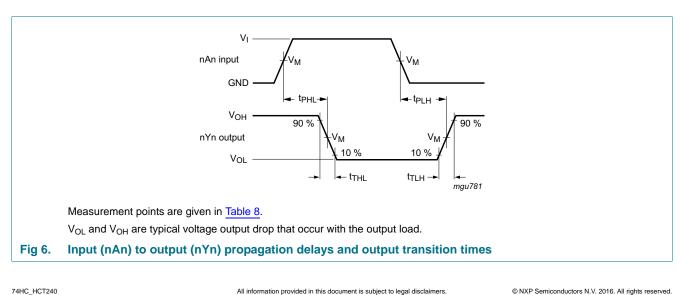
 C_L = output load capacitance in pF;

V_{CC} = supply voltage in V;

N = number of inputs switching;

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

11. Waveforms



All information provided in this document is subject to legal disclaimers

NXP Semiconductors

74HC240; 74HCT240

Octal buffer/line driver; 3-state; inverting

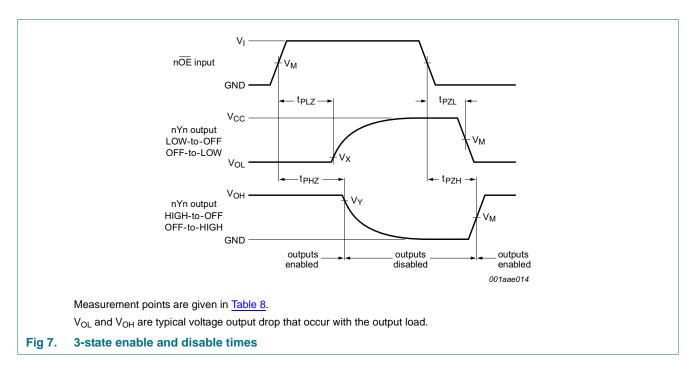


Table 8. Measurement points

Туре	Input	Output				
	V _M	V _M	V _X	V _Y		
74HC240	$0.5 imes V_{CC}$	$0.5 imes V_{CC}$	$0.1 \times V_{CC}$	$0.9 \times V_{CC}$		
74HCT240	1.3 V	1.3 V	$0.1 \times V_{CC}$	$0.9 \times V_{CC}$		

NXP Semiconductors

74HC240; 74HCT240

Octal buffer/line driver; 3-state; inverting

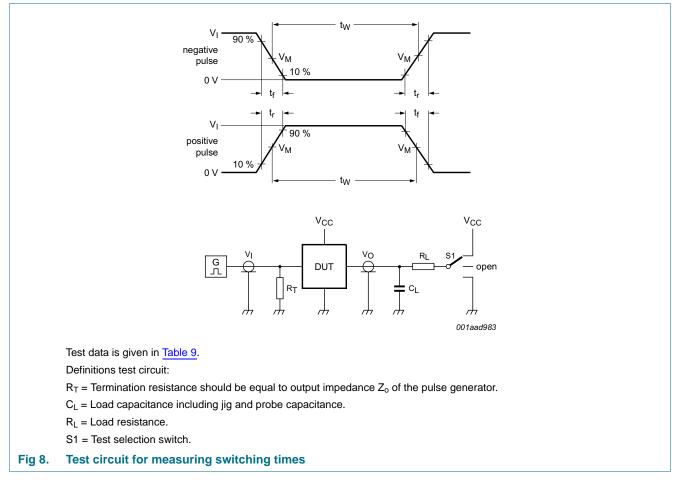


Table 9. Test data

Туре	Input		Load		S1 position		
	VI	t _r , t _f	CL	RL	t _{PHL} , t _{PLH}	t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}
74HC240	V _{CC}	6 ns	15 pF, 50 pF	1 kΩ	open	GND	V _{CC}
74HCT240	3 V	6 ns	15 pF, 50 pF	1 kΩ	open	GND	V _{CC}

Octal buffer/line driver; 3-state; inverting

12. Package outline

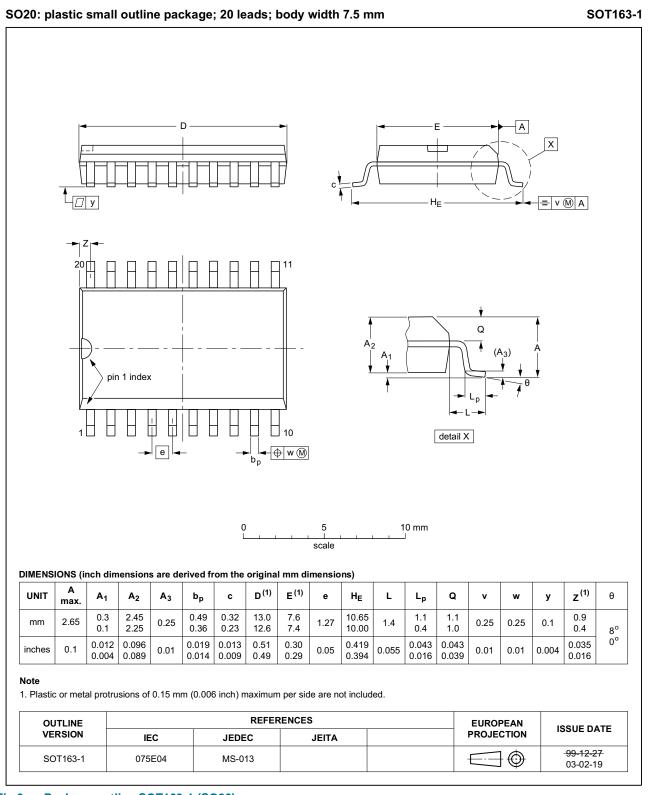


Fig 9. Package outline SOT163-1 (SO20)

All information provided in this document is subject to legal disclaimers.

Octal buffer/line driver; 3-state; inverting

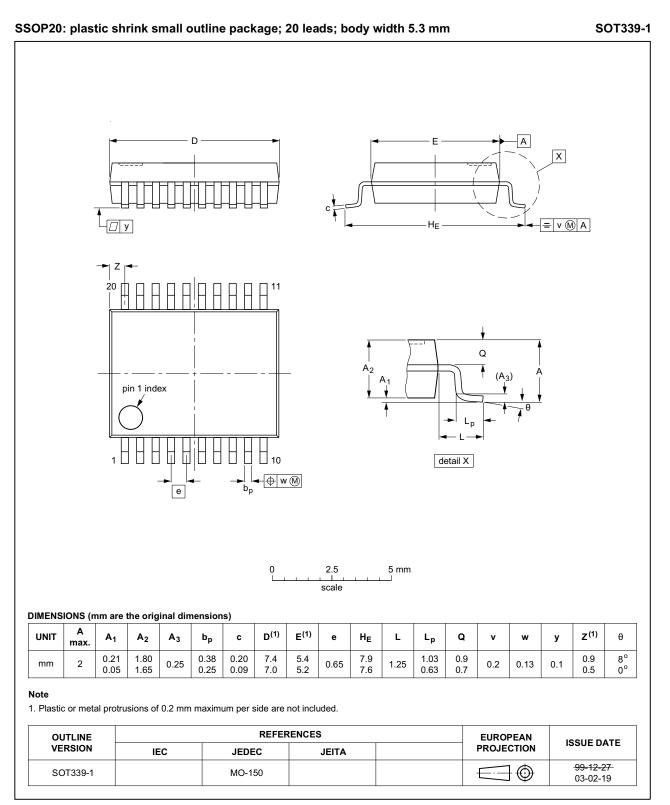


Fig 10. Package outline SOT339-1 (SSOP20)

Octal buffer/line driver; 3-state; inverting

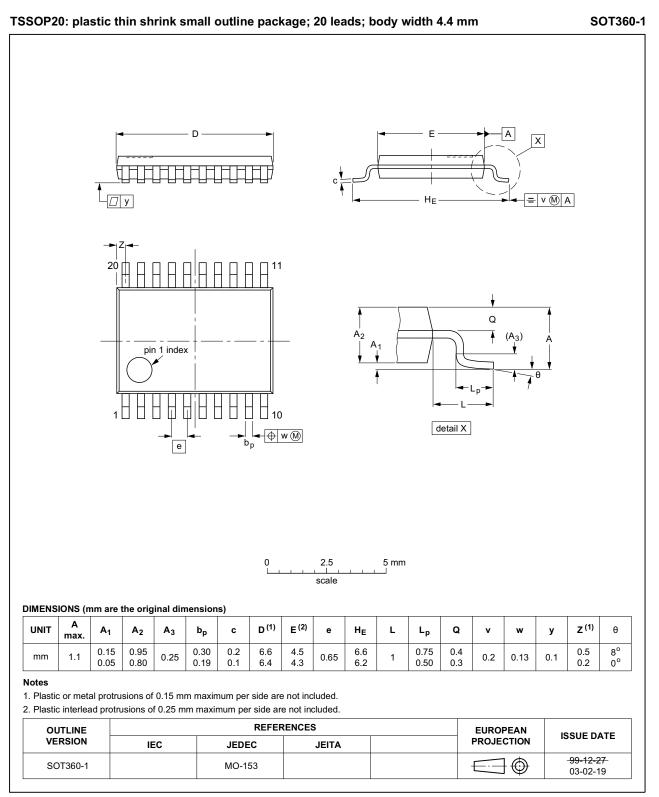
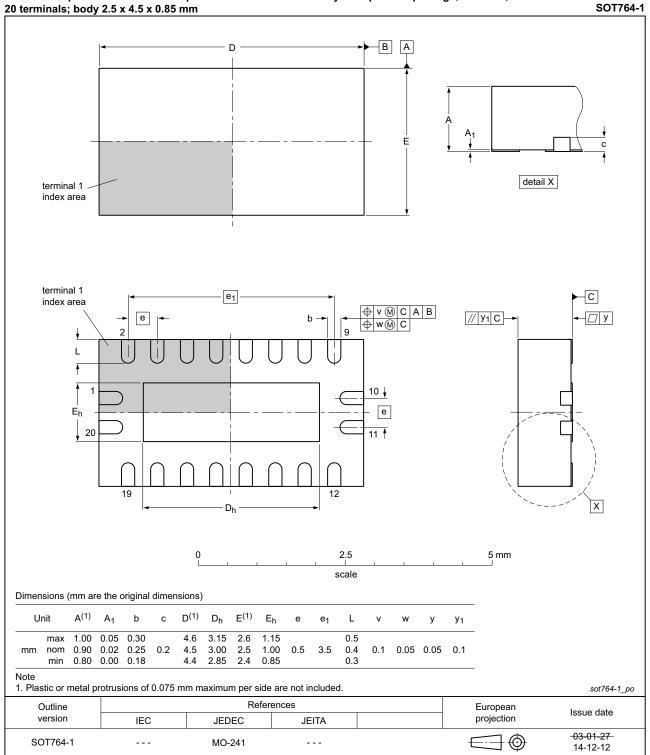


Fig 11. Package outline SOT360-1 (TSSOP20)

All information provided in this document is subject to legal disclaimers.

Octal buffer/line driver; 3-state; inverting



DHVQFN20: plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 20 terminals; body 2.5 x 4.5 x 0.85 mm

Fig 12. Package outline SOT764-1 (DHVQFN20)

All information provided in this document is subject to legal disclaimers.

Octal buffer/line driver; 3-state; inverting

13. Abbreviations

Table 10. Abbreviations						
Acronym	Description					
CMOS	Complementary Metal Oxide Semiconductor					
DUT	Device Under Test					
ESD	ElectroStatic Discharge					
HBM	Human Body Model					
MM	Machine Model					
TTL	Transistor-Transistor Logic					

14. Revision history

Table 11. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes	
74HC_HCT240 v.4	20160225	Product data sheet	-	74HC_HCT240 v.3	
Modifications:	 Type numbers 74HC240N and 74HCT240N (SOT146-1) removed. 				
74HC_HCT240 v.3	20070802	Product data sheet	-	74HC_HCT240_CNV v.2	
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. 				
	 Added type number 74HC240BQ and 74HCT240BQ (DHVQFN20 package) 				
74HC_HCT240_CNV v.2	19970828	Product specification	-	-	

Octal buffer/line driver; 3-state; inverting

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.nxp.com.

15.2 Definitions

Draft — The document is a draft version only. The content is still under internal review and subject to formal approval, which may result in modifications or additions. NXP Semiconductors does not give any representations or warranties as to the accuracy or completeness of information included herein and shall have no liability for the consequences of use of such information.

Short data sheet — A short data sheet is an extract from a full data sheet with the same product type number(s) and title. A short data sheet is intended for quick reference only and should not be relied upon to contain detailed and full information. For detailed and full information see the relevant full data sheet, which is available on request via the local NXP Semiconductors sales office. In case of any inconsistency or conflict with the short data sheet, the full data sheet shall prevail.

Product specification — The information and data provided in a Product data sheet shall define the specification of the product as agreed between NXP Semiconductors and its customer, unless NXP Semiconductors and customer have explicitly agreed otherwise in writing. In no event however, shall an agreement be valid in which the NXP Semiconductors product is deemed to offer functions and qualities beyond those described in the Product data sheet.

15.3 Disclaimers

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, NXP Semiconductors does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. NXP Semiconductors takes no responsibility for the content in this document if provided by an information source outside of NXP Semiconductors.

In no event shall NXP Semiconductors be liable for any indirect, incidental, punitive, special or consequential damages (including - without limitation - lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Notwithstanding any damages that customer might incur for any reason whatsoever, NXP Semiconductors' aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the *Terms and conditions of commercial sale* of NXP Semiconductors.

Right to make changes — NXP Semiconductors reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof. Suitability for use — NXP Semiconductors products are not designed, authorized or warranted to be suitable for use in life support, life-critical or safety-critical systems or equipment, nor in applications where failure or malfunction of an NXP Semiconductors product can reasonably be expected to result in personal injury, death or severe property or environmental damage. NXP Semiconductors and its suppliers accept no liability for inclusion and/or use of NXP Semiconductors products in such equipment or applications and therefore such inclusion and/or use is at the customer's own risk.

Applications — Applications that are described herein for any of these products are for illustrative purposes only. NXP Semiconductors makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Customers are responsible for the design and operation of their applications and products using NXP Semiconductors products, and NXP Semiconductors accepts no liability for any assistance with applications or customer product design. It is customer's sole responsibility to determine whether the NXP Semiconductors product is suitable and fit for the customer's applications and products planned, as well as for the planned application and use of customer's third party customer(s). Customers should provide appropriate design and operating safeguards to minimize the risks associated with their applications and products.

NXP Semiconductors does not accept any liability related to any default, damage, costs or problem which is based on any weakness or default in the customer's applications or products, or the application or use by customer's third party customer(s). Customer is responsible for doing all necessary testing for the customer's applications and products using NXP Semiconductors products in order to avoid a default of the applications and the products or of the application or use by customer's third party customer(s). NXP does not accept any liability in this respect.

Limiting values — Stress above one or more limiting values (as defined in the Absolute Maximum Ratings System of IEC 60134) will cause permanent damage to the device. Limiting values are stress ratings only and (proper) operation of the device at these or any other conditions above those given in the Recommended operating conditions section (if present) or the Characteristics sections of this document is not warranted. Constant or repeated exposure to limiting values will permanently and irreversibly affect the quality and reliability of the device.

Terms and conditions of commercial sale — NXP Semiconductors products are sold subject to the general terms and conditions of commercial sale, as published at http://www.nxp.com/profile/terms, unless otherwise agreed in a valid written individual agreement. In case an individual agreement is concluded only the terms and conditions of the respective agreement shall apply. NXP Semiconductors hereby expressly objects to applying the customer's general terms and conditions with regard to the purchase of NXP Semiconductors products by customer.

No offer to sell or license — Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any license under any copyrights, patents or other industrial or intellectual property rights.

© NXP Semiconductors N.V. 2016. All rights reserved.

74HC HCT240

Octal buffer/line driver; 3-state; inverting

Export control — This document as well as the item(s) described herein may be subject to export control regulations. Export might require a prior authorization from competent authorities.

Non-automotive qualified products — Unless this data sheet expressly states that this specific NXP Semiconductors product is automotive qualified, the product is not suitable for automotive use. It is neither qualified nor tested in accordance with automotive testing or application requirements. NXP Semiconductors accepts no liability for inclusion and/or use of non-automotive qualified products in automotive equipment or applications.

In the event that customer uses the product for design-in and use in automotive applications to automotive specifications and standards, customer (a) shall use the product without NXP Semiconductors' warranty of the product for such automotive applications, use and specifications, and (b) whenever customer uses the product for automotive applications beyond

NXP Semiconductors' specifications such use shall be solely at customer's own risk, and (c) customer fully indemnifies NXP Semiconductors for any liability, damages or failed product claims resulting from customer design and use of the product for automotive applications beyond NXP Semiconductors' standard warranty and NXP Semiconductors' product specifications.

Translations — A non-English (translated) version of a document is for reference only. The English version shall prevail in case of any discrepancy between the translated and English versions.

15.4 Trademarks

Notice: All referenced brands, product names, service names and trademarks are the property of their respective owners.

16. Contact information

For more information, please visit: http://www.nxp.com

For sales office addresses, please send an email to: salesaddresses@nxp.com

Octal buffer/line driver; 3-state; inverting

17. Contents

1	General description 1
2	Features and benefits 1
3	Ordering information 1
4	Functional diagram 2
5	Pinning information 3
5.1	Pinning 3
5.2	Pin description 3
6	Functional description 4
7	Limiting values 4
8	Recommended operating conditions 4
9	Static characteristics 5
10	Dynamic characteristics 6
11	Waveforms 7
12	Package outline 10
13	Abbreviations 14
14	Revision history 14
15	Legal information 15
15.1	Data sheet status 15
15.2	Definitions 15
15.3	Disclaimers
15.4	Trademarks 16
16	Contact information 16
17	Contents 17

Please be aware that important notices concerning this document and the product(s) described herein, have been included in section 'Legal information'.

© NXP Semiconductors N.V. 2016.

All rights reserved.

For more information, please visit: http://www.nxp.com For sales office addresses, please send an email to: salesaddresses@nxp.com

Date of release: 25 February 2016 Document identifier: 74HC_HCT240

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for nxp manufacturer:

Other Similar products are found below :

MC13211R2 PCA9518PW,112 LFSTBEB865X MC33399PEFR2 PCA9551PW,112 MC34825EPR2 CBTW28DD14AETJ PCF8583P MC68340AB16E MC8640DTVJ1250HE EVBCRTOUCH MC9S08PT16AVLC MC9S08PT8AVTG MC9S08SH32CTL MCF54415CMJ250 MCIMX6Q-SDB MCIMX6SX-SDB 74ALVC125BQ,115 74HC4050N 74HC4514N MK21FN1M0AVLQ12 MKV30F128VFM10 FRDM-K66F FRDM-KW40Z FRDM-MC-LVBLDC PESD18VF1BSFYL PMF63UNEX PSMN4R0-60YS,115 HEF4028BPN RAPPID-567XFSW MPC565MVR56 MPC574XG-176DS MPC8548VJAUJD MPC860PCVR66D4 BT137-600E BT137S-600D.115 BT138-600E.127 BT139X-600.127 BT258-600R.127 BUK7628-100A118 BUK765R0-100E.118 P5020NSE7VNB S12ZVML12EVBLIN SCC2692AC1N40 LPC1785FBD208K LPC2124FBD64/01 LS1020ASN7KQB LS1020AXN7HNB LS1020AXN7KQB LS1043ASE7PQA