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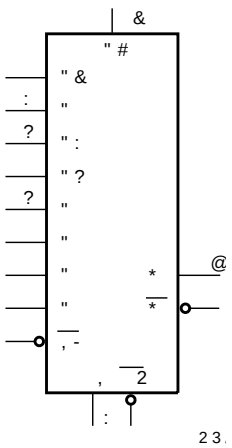

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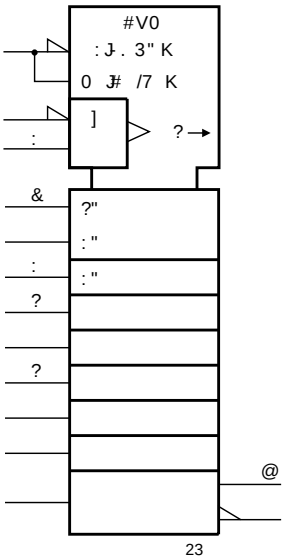

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13. Abbreviations

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_HCT165 v.7	20210901	Product data sheet	-	74HC_HCT165 v.6
Modifications:	• Section 2 updated. • Type numbers 74HC165DB and 74HCT165DB (SOT338-1/SSOP16) removed.			
74HC_HCT165 v.6	20200423	Product data sheet	-	74HC_HCT165 v.5
Modifications:	• Table 4: Derating values for P_{tot} total power dissipation updated.			
74HC_HCT165 v.5	20170821	Product data sheet	-	74HC_HCT165 v.4
Modifications:	• Table 7: Hold time for 74HC165 has been updated. • The format of this data sheet has been redesigned to comply with the identity guidelines of Nexperia. • Legal texts have been adapted to the new company name where appropriate.			
74HC_HCT165 v.4	20151228	Product data sheet	-	74HC_HCT165 v.3
Modifications:	• Type numbers 74HC165N and 74HCT165N (SOT38-4) removed.			
74HC_HCT165 v.3	20080314	Product data sheet	-	74HC_HCT165_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. • Package SOT763-1 (DHVQFN16) added to Section 4 and Section 12. • Family data added, see Section 10			
74HC_HCT165_CNV v.2	December 1990	Product specification	-	-

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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.

[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 https://www.nexperia.com.

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