



# HCS370

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## HCS370 Data Sheet Errata

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The HCS370 parts you have received conform functionally to the Device Data Sheet (**DS41111D**), except for the anomalies described below.

None.

# HCS370

## Clarifications/Corrections to the Data Sheet:

In the Device Data Sheet (DS41111), the following clarifications and corrections should be noted.

### 1. Module: DC Characteristics

In Table 9-1, under the heading, "Standard Operating Conditions", change industrial operating temperature from  $-40^{\circ}$  to  $-20^{\circ}$  (pages 24 and 25). Under Parameter No. D053, Max. should be changed from  $\pm 200$  to  $\pm 250$  and  $\pm 350$  to  $\pm 400$  (page 24), as marked in bold below.

**TABLE 9-1: DC CHARACTERISTICS: HCS370**

DC Characteristics All Pins Except Power Supply Pins			Standard Operating Conditions (unless otherwise stated)				
			Operating temperature $0^{\circ}\text{C} \leq T_A \leq +70^{\circ}\text{C}$ (Commercial) $-20^{\circ}\text{C} < T_A < +85^{\circ}\text{C}$ (Industrial)				
Param No.	Sym	Characteristic	Min	Typ†	Max	Units	Conditions
<b>Input Threshold Voltage</b>							
D053	Vtol	Low detect tolerance	—	—	<b><math>\pm 250</math></b> <b><math>\pm 400</math></b>	mV mV	setting 5 = 2.25V setting 25 = 4.25V

### 2. Module: AC Characteristics

In Table 9-2, under the heading, "Standard Operating Conditions", change industrial operating temperature from  $-40^{\circ}$  to  $-20^{\circ}$  (page 26), as marked in bold below.

**TABLE 9-2: AC CHARACTERISTICS**

<b>Commercial (C):</b> $T_{\text{AMB}} = 0^{\circ}\text{C}$ to $+70^{\circ}\text{C}$						
<b>Industrial (I):</b> $T_{\text{AMB}} = -20^{\circ}\text{C}$ to $+85^{\circ}\text{C}$						
			$2.05\text{V} < V_{\text{DD}} < 5.5$			
Parameter	Sym.	Min	Typ.	Max.	Unit	Conditions

## APPENDIX A: REVISION HISTORY

Rev. A Document (7/2002)

First revision of this document.



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**Note the following details of the code protection feature on PICmicro® MCUs.**

- The PICmicro family meets the specifications contained in the Microchip Data Sheet.
- Microchip believes that its family of PICmicro microcontrollers is one of the most secure products of its kind on the market today, when used in the intended manner and under normal conditions.
- There are dishonest and possibly illegal methods used to breach the code protection feature. All of these methods, to our knowledge, require using the PICmicro microcontroller in a manner outside the operating specifications contained in the data sheet. The person doing so may be engaged in theft of intellectual property.
- Microchip is willing to work with the customer who is concerned about the integrity of their code.
- Neither Microchip nor any other semiconductor manufacturer can guarantee the security of their code. Code protection does not mean that we are guaranteeing the product as “unbreakable”.
- Code protection is constantly evolving. We at Microchip are committed to continuously improving the code protection features of our product.

If you have any further questions about this matter, please contact the local sales office nearest to you.

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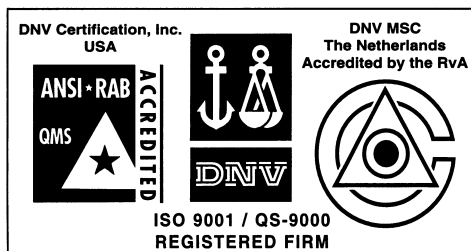
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