AUTOMOTIVE 87C196KC16
SPECIFICATION UPDATE

Release Date: September, 1997
Order Number: 273117-001

The 87C196KC16 may contain design defects or errors known as errata which may cause the 87C196KC16 to deviate from published specifications. Current characterized errata are documented in this Specification Update.
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The 87C196KC16 may contain design defects or errors known as errata. Current characterized errata are available on request.

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Intel Corporation
P.O. Box 7641
Mt. Prospect IL 60056-7641

or call in North America 1-800-879-4683, Europe 44-0-1793-431-155, France 44-0-1793-421-777, Germany 44-0-1793-421-333, other countries 708-296-9333

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## REVISION HISTORY

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<th>Version</th>
<th>Description</th>
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<tr>
<td>9/9/97</td>
<td>001</td>
<td>This is the new Specification Update document. It contains all identified errata published prior to this date.</td>
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PREFACE

As of July, 1996, Intel has consolidated available historical device and documentation errata into this document type called the Specification Update. We have endeavored to include all documented errata in the consolidation process, however, we make no representations or warranties concerning the completeness of the Specification Update.

This document is an update to the specifications contained in the Affected Documents/Related Documents table below. This document is a compilation of device and documentation errata, specification clarifications and changes. It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools.

Information types defined in Nomenclature are consolidated into the specification update and are no longer published in other documents.

This document may also contain information that was not previously published.

Affected Documents/Related Documents

<table>
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<tr>
<td>Automotive Products Handbook 1996</td>
<td>231792</td>
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<tr>
<td>87C196KC 16-Bit High-Performance CHMOS Microcontroller Datasheet</td>
<td>270846</td>
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Nomenclature

Errata are design defects or errors. These may cause the published (component, board, system) behavior to deviate from published specifications. Hardware and software designed to be used with any component, board, and system must consider all errata documented.

Specification Changes are modifications to the current published specifications. These changes will be incorporated in any new release of the specification.

Specification Clarifications describe a specification in greater detail or further highlight a specification’s impact to a complex design situation. These clarifications will be incorporated in any new release of the specification.

Documentation Changes include typos, errors, or omissions from the current published specifications. These will be incorporated in any new release of the specification.
NOTE:
Errata remain in the specification update throughout the product's lifecycle, or until a particular stepping is no longer commercially available. Under these circumstances, errata removed from the specification update are archived and available upon request. Specification changes, specification clarifications and documentation changes are removed from the specification update when the appropriate changes are made to the appropriate product specification or user documentation (datasheets, manuals, etc.).
SUMMARY TABLE OF CHANGES

The following table indicates the errata, specification changes, specification clarifications, or documentation changes which apply to the 87C196KC16 product. Intel may fix some of the errata in a future stepping of the component, and account for the other outstanding issues through documentation or specification changes as noted. This table uses the following notations:

**Codes Used in Summary Table**

**Stepping**

- **X:** Errata exists in the stepping indicated. Specification Change or Clarification that applies to this stepping.
- (No mark) or (Blank box): This erratum is fixed in listed stepping or specification change does not apply to listed stepping.

**Page**

(No mark): Page location of item in this document.

**Status**

- **Doc:** Document change or update will be implemented.
- **Fix:** This erratum is intended to be fixed in a future step of the component.
- **Fixed:** This erratum has been previously fixed.
- **NoFix:** There are no plans to fix this erratum.
- **Eval:** Plans to fix this erratum are under evaluation.

**Row**

| Change bar to left of table row indicates this erratum is either new or modified from the previous version of the document. |
Errata

No known errata exists on this device.

Specification Changes

None in this revision of the Specification Update.

Specification Clarifications

None in this revision of the Specification Update.

Documentation Changes

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IDENTIFICATION INFORMATION

Markings
Bottom Mark: AN87C196KC16.
ERRATA
No known errata exists on this device.

SPECIFICATION CHANGES
None for this revision of this specification update.

SPECIFICATION CLARIFICATIONS
None for this revision of this specification update.
DOCUMENTATION CHANGES

001. Page 1, Datasheet Title Change

ISSUE: Changed title of datasheet.


FROM/TO REFERENCE: Changed title of datasheet from “87C196KC 16-Bit High-Performance CMOS Microcontroller” to “87C196KC16 16-Bit High-Performance CMOS Microcontroller”.

002. Page 5-188, Datasheet Title Change

See item #001.

003. Page 1, Remove 12 MHz Option in Product Summary

ISSUE: Removed 12 MHz Product Option from Product Summary on first page of datasheet.


FROM/TO REFERENCE: Removed statement “Available in 12 MHz and 16 MHz Versions”.

004. Page 5-188, Remove 12 MHz Option in Product Summary

See item #003.

005. Page 2, Nomenclature Change

ISSUE: Added Device Speed indicator to Figure 2, “The 87C196KC Family Nomenclature”.

FROM/TO REFERENCE: Added “16” to end of product name with product descriptor “Device Speed”.

006. Page 5-189, Nomenclature Change
See item #005.

007 Page 4, Package Name Change
ISSUE: Changed package device name.


FROM/TO REFERENCE: Added “16” to end of package device name.

008 Page 5-191, Package Name Change
See item #007.

009 Page 4, Prefix Identification Change
ISSUE: Changed prefix identification.


FROM/TO REFERENCE: Added “16” to end of prefix identification.

010 Page 5-191, Prefix Identification Change
See item #009.