查询MPC7410TRXLEPND供应商

Advance Information

MPC7410TRXLEPNS/D Rev. 1, 10/2002

MPC7410 Part Number Specification for the MPC7410TRXnnnLE Series

Motorola Part Numbers Affected: MPC7410TRX400LE MPC7410TRX450LE MPC7410TRX500LE



MOTOROLA intelligence everywhere

₩ digital dna

This document describes part-number-specific changes to recommended operating conditions and revised electrical specifications, as applicable, from those described in the *MPC7410 RISC Microprocessor Hardware Specifications* (Order No. MPC7410EC/D).

Specifications provided in this document supersede those in the *MPC7410 RISC Microprocessor Hardware Specifications*, Rev. 1 or later, for the part numbers listed in Table A only. Specifications not addressed herein are unchanged. Because this document is frequently updated, refer to http://www.motorola.com/semiconductors or to your Motorola sales office for the latest version.

Note that headings and table numbers in this document are not consecutively numbered. They are intended to correspond to the heading or table affected in the general hardware specification.

Part numbers addressed in this document are listed in Table A. For more detailed ordering information, see Table 17.

	Operating Conditions					
Motorola Part Number	CPU Frequency (MHz)	V _{DD}	Т _Ј (°С)	OV _{DD} (V)	Significant Differences from Hardware Specification	
MPC7410TRX500LE	500	1.8 V ±100 mV	-40 to 105	1.8/2.5/3.3	Extended temperature range. For all DC/AC specifications not mentioned in this document, please refer to the MPC7410RX500LE specifications in the <i>MPC7410 RISC Microprocessor Hardware Specifications</i> .	
MPC7410TRX450LE	450	1.8 V ±100 mV	-40 to 105	1.8/2.5/3.3	Extended temperature range. For all DC/AC specifications not mentioned in this document, please refer to the MPC7410RX450LE specifications in the <i>MPC7410 RISC Microprocessor Hardware Specifications</i> .	
MPC7410TRX400LE	400	1.8 V ±100 mV	-40 to 105	1.8/2.5/3.3	Extended temperature range. For all DC/AC specifications not mentioned in this document, please refer to the MPC7410RX400LE specifications in the MPC7410 RISC Microprocessor Hardware Specifications.	

1.4.1 DC Electrical Characteristics

Table 3 provides the recommended operating conditions for the MPC7410 part numbers described herein.

Table 3. Recommended Operating Conditions

Characteristic	Symbol	Recommended Value	Unit	Notes
Die-junction temperature	Тj	-40 to 105	°C	

Note: See MPC7410 RISC Microprocessor Hardware Specifications.

1.9 Document Revision History

Table 16 provides a revision history for this part number specification.

Table 16. Document Revision History

Document Revision	Substantive Changes
0	Initial release. Note that this part number specification replaces the MPC7410RXnnnTE part number specification (Order No. MPC7410RXnnnTE/D).
1	Minor Formatting

1.10 Ordering Information

1.10.1 Part Numbers Addressed by this Specification

Table 17 provides the ordering information for the MPC7410 part described in this document.

MPC	7410	X	RX	nnn	X	X
Product Code	Part Identifier	Process Descriptor	Package	Processor Frequency ¹	Application Modifier	Revision Level
MPC	7410	T: -40 to 105°C	RX = CBGA	400 450 500	L: 1.8 V ±100 mV	E: 1.4; PVR = 800C 1104

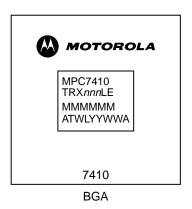
Table 17. Part Marking Nomenclature

Note:

1. Processor core frequencies supported by parts addressed by this specification only. Parts addressed by other specifications may support other maximum core frequencies.

1.10.3 Part Marking

Parts are marked as the example shown in Figure 26.



Notes:

nnn is the speed grade of the part.

MMMMMM is the 6-digit mask number.

ATWLYYWWA is the traceability code.

CCCCC is the country of assembly. This space is left blank if parts are assembled in the United States.

Figure 26. Part Marking for BGA Device

HOW TO REACH US:

USA/EUROPE/LOCATIONS NOT LISTED:

Motorola Literature Distribution P.O. Box 5405, Denver, Colorado 80217 1-303-675-2140 or 1-800-441-2447

JAPAN:

Motorola Japan Ltd. SPS, Technical Information Center 3-20-1, Minami-Azabu Minato-ku Tokyo 106-8573 Japan 81-3-3440-3569

ASIA/PACIFIC:

Motorola Semiconductors H.K. Ltd. Silicon Harbour Centre, 2 Dai King Street Tai Po Industrial Estate, Tai Po, N.T., Hong Kong 852-26668334

TECHNICAL INFORMATION CENTER:

1-800-521-6274

HOME PAGE:

http://www.motorola.com/semiconductors

DOCUMENT COMMENTS:

FAX (512) 933-2625 Attn: RISC Applications Engineering Information in this document is provided solely to enable system and software implementers to use Motorola products. There are no express or implied copyright licenses granted hereunder to design or fabricate any integrated circuits or integrated circuits based on the information in this document.

Motorola reserves the right to make changes without further notice to any products herein. Motorola makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Motorola assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation consequential or incidental damages. "Typical" parameters which may be provided in Motorola data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. Motorola does not convey any license under its patent rights nor the rights of others. Motorola products are not designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the Motorola product could create a situation where personal injury or death may occur. Should Buyer purchase or use Motorola products for any such unintended or unauthorized application, Buyer shall indemnify and hold Motorola and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that Motorola was negligent regarding the design or manufacture of the part.



Motorola and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. digital dna is a trademark of Motorola, Inc. All other product or service names are the property of their respective owners. Motorola, Inc. is an Equal Opportunity/Affirmative Action Employer. © Motorola, Inc. 2002

MPC7410TRXLEPNS/D