NEC

Customer Notification

AP3-78K0RKX3L-EE

Applilet3 for 78K0R/Kx3-L

Operating Precautions

78K0R/KC3-L: µPD78F1000, 78F1001, 78F1002, 78F1003

78K0R/KD3-L: µPD78F1004, 78F1005, 78F1006

78K0R/KE3-L: µPD78F1007, 78F1008, 78F1009

78K0R/KF3-L: µPD78F1010, 78F1011, 78F1012

78K0R/KG3-L: µPD78F1013, 78F1014

Document No. U20143EE1V0IF00
Date Published: December 2009
© NEC Electronics (Europe) GmbH

Legal Notes

The related documents in this customer notification may include preliminary versions. However, preliminary versions may not have been marked as such.

The information in this customer notification is current as of its date of publication. The information is subject to change without notice. For actual design-in, refer to the latest publications of NEC's data sheets or data books, etc., for the most up-to-date specifications of PRODUCT(S). Not all PRODUCT(S) and/or types are available in every country. Please check with an NEC sales representative for availability and additional information.

No part of this customer notification may be copied or reproduced in any form or by any means without prior written consent of NEC. NEC assumes no responsibility for any errors that may appear in this customer notification. NEC does not assume any liability for infringement of patents, copyrights or other intellectual property rights of third parties by or arising from the use of PRODUCT(S) listed in this customer notification or any other liability arising from the use of such PRODUCT(S).

No license, express, implied or otherwise, is granted under any patents, copyrights or other intellectual property rights of NEC or others. Descriptions of circuits, software and other related information in this customer notification are provided for illustrative purposes of PRODUCT(S) operation and/or application examples only. The incorporation of these circuits, software and information in the design of customer's equipment shall be done under the full responsibility of customer. NEC assumes no responsibility for any losses incurred by customers or third parties arising from the use of these circuits, software and information.

While wherever feasible, NEC endeavors to enhance the quality, reliability and safe operation of PRODUCT(S) the customer agrees and acknowledges that the possibility of defects and/or erroneous thereof cannot be eliminated entirely. To minimize risks of damage to property or injury (including death) to persons arising from defects and/or errors in PRODUCT(S) the customer must incorporate sufficient safety measures in their design, such as redundancy, fire-containment and anti-failure features.

The customer agrees to indemnify NEC against and hold NEC harmless from any and all consequences of any and all claims, suits, actions or demands asserted against NEC made by a third party for damages caused by one or more of the items listed in the enclosed table of content of this customer notification for PRODUCT(S) supplied after the date of publication.

PRODUCT(S) are classified into the following three quality grades: "Standard", "Special" and "Specific". The "Specific" quality grade applies only to PRODUCT(S) developed based on a customer-designated "quality assurance program" for a specific application. The recommended applications of PRODUCT(S) depend on its quality grade, as indicated below. Customers must check the quality grade of each PRODUCT(S) before using it in a particular application.

"Standard": Computers, office equipment, communications equipment, test and measurement equipment, audio and visual equipment, home electronic appliances, machine tools, personal electronic equipment and industrial robots

"Special": Transportation equipment (automobiles, trains, ships, etc.), traffic control systems, antidisaster systems, anti-crime systems, safety equipment and medical equipment (not specifically designed for life support).

"Specific": Aircraft, aerospace equipment, submersible repeaters, nuclear reactor control systems, life support systems and medical equipment for life support etc.

The quality grade of PRODUCT(S) is "Standard" unless otherwise expressly specified in NEC data sheets or data books, etc. If customers wish to use PRODUCT(S) in applications not intended by NEC, they must contact NEC sales representative in advance to determine NEC's willingness to support a given application.

If the supplied goods/information are subject to Japanese, German, European and/or North American export controls, the customer shall comply with the relevant export control regulations in the event that the goods are exported and/or re-exported. If deliveries are exported without payment of duty at the request of the customer, the customer accepts liability for any subsequent customs administration claims with respect to NEC.

Notes:

(1) "NEC" as used in this statement means NEC Electronics Corporation and also includes its direct or indirect owned or controlled subsidiaries.

(2) "PRODUCT(S)" means any product developed or manufactured by or for NEC (as defined above).

Table of Contents

Table of Contents 3

(A) Table of Operating Precautions for AP3-78K0RKX3L-EE 4

(B) Description of Operating Precautions for AP3-78K0RKX3L-EE 5

No. A1 5

(C) Supported Devices 6

(D) Supported Operating Systems 6

(E) Supported Development Environments 7

(F) Valid Specifications 7

(G) Copyright Notices 8

(H) Revision History 8

(A) Table of Operating Precautions for AP3-78K0RKX3L-EE

No.	Outline		AP3-78K0RKX3L-EE					
		Version	V1.10					
A1	Missing API Reference		×					

×: Applicable
✓: Not applicable
- : Not checked

(B) Description of Operating Precautions for AP3-78K0RKX3L-EE

No. A1	**Missing API Reference**
	Details The online help consisting of User Guide and API reference is not available. *Workaround:* To get a list of the possible API functions, please generate an output report. The output report includes two files generated in the project folder: - function.html -> summary of all API functions (used and unused functions of the current application) - macro.html -> summary of all preprocessor symbols

(C) Supported Devices

ROM [KB]	78K0R/KC3-L		78K0R/KD3-L	78K0R/KE3-L	78K0R/KF3-L	78K0R/KG3-L
	44 pins	48 pins	52 pins	64 pins	80 pins	100 pins
128	-	-	-	-	μPD78F1012	μPD78F1014
96	-	-	-	-	μPD78F1011	μPD78F1013
64	μPD78F1003	μPD78F1003	μPD78F1006	μPD78F1009	μPD78F1010	-
48	μPD78F1002	μPD78F1002	μPD78F1005	μPD78F1008	-	-
32	μPD78F1001	μPD78F1001	μPD78F1004	μPD78F1007	-	-
16	μPD78F1000	-	-	-	-	-

Supported
Not supported

(D) Supported Operating Systems

Applilet supports Windows 2000, Windows XP and Windows Vista.
For operation the Microsoft .NET Framework Version 2.0 Redistributable Package is necessary.
If the Microsoft .NET Framework Version 2.0 Redistributable Package is not installed, the following Windows error message will occur during application start:

The Microsoft .NET Framework Version 2.0 Redistributable Package can be downloaded from the Microsoft Corporation WEB Site: http:www.microsoft.com/downloads

Download Package: .NET Framework Version 2.0 Redistributable Package (x86)

And, please use .NET Framework version 2.0 Redistributable package with latest patches.

(E) Supported Development Environments

NEC Electronics Development Tools	
Product Name	**Version**
Project Manager PM+	V6.31 or later
CC78K0R	V2.12 or later
RA78K0R	V1.33 or later
ID78K0R-QB	V3.60 or later
Device File Package DF78F1014	V2.01 or later

IAR Systems Development Tools	
Product Name	**Version**
Embedded Workbench for 78K EW78K	V4.60a or later

(F) Valid Specifications

Item	Date published	Document No.	Document Title
1	November 2009	U20024EJ1V0UD00	78K0R/Kx3-L User's Manual

(G) Copyright Notices

- No part of this document may be copied or reproduced in any form or by any means without the prior written consent of NEC Electronics. NEC Electronics assumes no responsibility for any errors that may appear in this document.
- NEC Electronics does not assume any liability for infringement of patents, copyrights or other intellectual property rights of third parties by or arising from the use of NEC Electronics products listed in the documents or any other liability arising from the use of such products. No license, express, implied or otherwise, is granted under any patents, copyrights or other intellectual property rights of NEC Electronics or others.
- Descriptions of circuits, software and other related information in the document are provided for illustrative purposes in semiconductor product operation and application examples. The incorporation of these circuits, software and information in the design of a customer's equipment shall be done under the full responsibility of the customer. NEC Electronics assumes no responsibility for any losses incurred by customers or third parties arising from the use of these circuits, software and information.
- Intel and Pentium are registered trademarks of Intel Corporation and its subsidiaries in the United States and other countries.
- Windows, Windows 2000, Windows XP, Windows Vista, and .NET Framework are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- IAR Systems and IAR Embedded Workbench are trademarks owned by IAR Systems AB.
- Other trademarks, registered trademarks and company names are the properties of their respective owners.

(H) Revision History

Edition	Date published	Document No.	Comment
1	04-Feb-2009	U20143EE1V0IF00	First release.