

# Microcomputer Technical Information

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<p style="text-align: center;">QB-78K0LX2 In-Circuit Emulator for 78K0/LE2, 78K0/LF2, 78K0/LG2</p> <p style="text-align: center;">Replacement of Exchange Adapters</p>		Document No.	ZBG-CD-05-0101	1/3
		Date issued	November 8, 2005	
		Issued by	Development Tool Group Multipurpose Microcomputer Systems Division 4th Systems Operations Unit NEC Electronics Corporation	
Related documents	QB-78K0LX2 User's Manual: U17468EJ2V0UM00	Notification classification		Usage restriction
				Upgrade
				Document modification
			√	Other notification

## 1. Affected products

The exchange adapters included with the following in-circuit emulators that were shipped by the end of October 2005 are affected.

- QB-78K0LX2-T80GK04
- QB-78K0LX2-T80GK05
- QB-78K0LX2-T80GC04
- QB-78K0LX2-T80GC05
- QB-78K0LX2-T64GB
- QB-78K0LX2-T64GK

The following exchange adapters that were shipped by the end of October 2005 are affected.

- QB-80GK-EA-04T
- QB-80GK-EA-05T
- QB-80GC-EA-04T
- QB-80GC-EA-05T
- QB-64GB-EA-07T
- QB-64GK-EA-05T

## 2. Details of fault

[Description]

A faulty wiring exists in the portion related to the segment signal (Sx) in the exchange adapter. Due to this faulty wiring, the segment signal (Sx) that should be output from the target device is output from pins different from the correct device pins.

- Sx: 80-pin products (with A/D): S0 to S25  
 80-pin products (without A/D): S0 to S35  
 64-pin products: S0 to S19

[Workaround]

When performing debugging with the in-circuit emulator, clear bit 6 (SEGSET1) and bit 7 (SEGSET2) of the LCD mode select register (LCDMD) to "0".

When writing to the actual device, change the values of the LCDMD register according to the settings in each device.

### 3. Modification schedule

The improved exchange adapters will be manufactured according to the following schedule.

QB-80GK-EA-04T: Late November 2005

QB-80GK-EA-05T: Late November 2005

QB-80GC-EA-04T: Early December 2005

QB-80GC-EA-05T: Early December 2005

QB-64GB-EA-07T: Mid-December 2005

QB-64GK-EA-05T: Mid-December 2005

### 4. Notification

We will send the improved exchange adapter to customers who have already purchased an affected product for development with the 78K0/LE2 or 78K0/LF2.

Applications for sending the exchange adapter will be accepted according to the following schedule, so contact an NEC Electronics sales representative or distributor. (Please wait about two weeks for delivery.)

QB-80GK-EA-04T: November 16, 2005

QB-80GK-EA-05T: November 20, 2005

QB-80GC-EA-04T: November 24, 2005

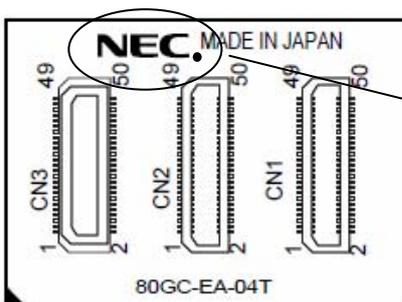
QB-80GC-EA-05T: November 28, 2005

QB-64GB-EA-07T: December 2, 2005

QB-64GK-EA-05T: December 6, 2005

\* Note that this schedule is subject to change without notice. For the detailed release schedule of modified products, contact an NEC Electronics sales representative.

On the improved exchange adapters, a white dot mark is appended at the lower-right corner of the NEC logo.



**NEC.** ← White dot mark

5. Document revision history

QB-78K0LX2 In-Circuit Emulator for 78K0/LE2, 78K0/LF2, 78K0/LG2  
Replacement of Exchange Adapters

Document Number	Issued on	Description
ZBG-CD-05-0101	November 8, 2005	Newly created.