		Document No.	ZBG-C	C-09-0052	1/1
μPD789167, 789177, 789167Y, 789177Y		Date issued	December 17, 2009		
Subseries		Issued by	Product Solution Group		
			Multipu	rpose Microcomputer Systems D	ivision
Technical Notification			Microcomputer Operations Unit		
			NEC Electronics Corporation		
Related	μPD789167, 789177, 789167Y,	Notification		Usage restriction	
documents	789177Y Subseries User's Manual:	classification		Upgrade	
	U14186EJ6V0UD00 (6th edition)		$\sqrt{}$	Document modification	
				Other notification	

1. Affected products

 μ PD789166, μ PD789167, μ PD789176, μ PD789177, μ PD78F9177, μ PD78F9177A μ PD789166Y, μ PD789166Y, μ PD789176Y, μ PD78F9177Y, μ PD78F9177AY

2. Notification

The incorrect descriptions below have been found in the user's manual for the μ PD789167, 789177, 789167Y, and 789177Y subseries.

Overview:

Dimensions of the items below shown in the 48-pin plastic TQFP package drawing in the user's manual are incorrect.

For details, see attachment 2.

- Terminal thickness
- · Terminal coplanarity
- Terminal uniformity angle

The actual dimensions do not exceed the size shown in the package drawing.

Modification schedule:

These errors will be corrected in the next revision of the user's manual.

The document corrections are listed in attachment 1, and their details are described in attachment 2.

3. Document revision history

μPD789167, 789177, 789167Y, 789177Y Subseries - Technical Notification

Document Number	Issued on	Description
ZBG-CC-09-0052	December 17, 2009	1st edition
		Correction to errors in a package drawing

ZBG-CC-09-0052 Attachment 1 - 1/1

Corrections to μ PD789167, 789177, 789167Y, 789177Y Subseries User's Manual

1. Corrected items

No.	Description		μPD789167, 789177, 789167Y, 789177Y Subseries User's Manual		
		Edition	6th or Earlier	7th and Later	
1	Correction to errors in a pa	ckage drawing	×	0	

Remark The meaning of each symbol is as follows:

 \times : Error

O: Corrected

2. Correction details

Item 1: See attachment 2 for details.

Item 1 - Correction to CHAPTER 31 PACKAGE DRAWINGS

Some dimensions described in CHAPTER 31 PACKAGE DRAWINGS are incorrect.

The actual dimensions do not exceed the size shown in the 48-pin plastic TQFP package drawing (S48GA-50-9EU-2).

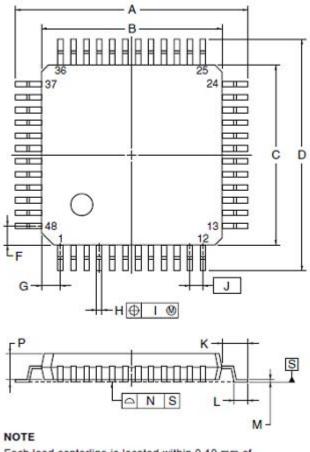
Items in question

Item	Incorrect	Correct
Outline drawing code	S48GA-50-9EU-2	P48GA-50-9EU-1
Terminal thickness *1	0.145 – 0.045 to 0.145 + 0.055 (mm)	0.17 - 0.07 to 0.17 + 0.03 (mm)
Terminal coplanarity *2	0.10 (mm)	0.08 (mm)
Terminal uniformity angle *3	3 – 3 to 3 + 7 (°)	3 – 3 to 3 + 4 (°)

- *1: Thickness of each terminal (including plating)
- *2: Maximum deviation in vertical direction between each terminal bottom surface and seating plane.
- *3: Angle between flat part of terminal and seating place

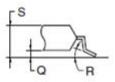
• 48-pin plastic TQFP (p. 440)

Incorrect:



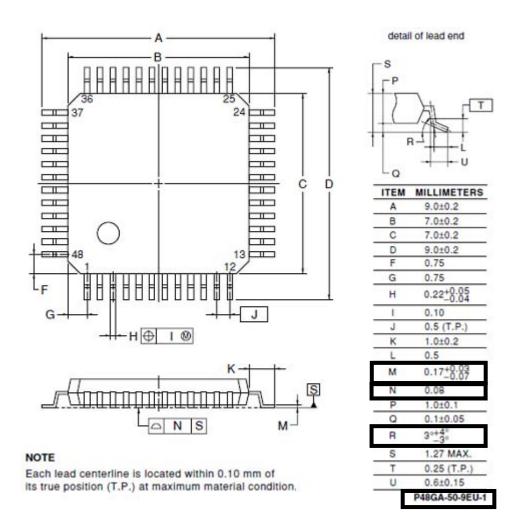
Each lead centerline is located within 0.10 mm of its true position (T.P.) at maximum material condition.

detail of lead end



ITEM	MILLIMETERS
A	9.0±0.2
В	7.0±0.2
C	7.0±0.2
D	9.0±0.2
F	0.75
G	0.75
н	0.22+0.05
1	0.10
J	0.5 (T.P.)
K	1.0±0.2
L	0.5±0.2
М	0.145+0.055
N	0.10
P	1.0±0.1
Q	0.1±0.05
R	3°+7°
S	1.27 MAX.
	S48GA-50-9EU-

Correct:



Modification schedule:

These errors will be corrected in the next revision of the user's manual.