

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU	Document No.	TN-RL*-A077B/E	Rev.	2.00
Title	Correction for Incorrect Description Notice RL78/G12 Descriptions in the Hardware User's Manual Rev. 2.10 Changed		Information Category	Technical Notification	
Applicable Product	RL78/G12 Group	Lot No.	Reference Document	RL78/G12 User's Manual: Hardware Rev.2.10 R01UH0200EJ0210 (Mar. 2016)	
		All lots			

This document describes misstatements found in the RL78/G12 User's Manual: Hardware Rev.2.10 (R01UH0200EJ0210).

Corrections

Applicable Items	Applicable Page	Contents
2.3 Connection of Unused Pins Table 2-2. Connection of Unused Pins (20-, 24-pin products)	Page 24	Incorrect descriptions revised

Document Improvement

The above corrections will be made for the next revision of the User's Manual: Hardware.

Corrections in the User's Manual: Hardware

No.	Applicable Items	Applicable Page	Pages in this document for corrections
1	1.3 List of Part Numbers Table 1-1. List of Ordering Part Numbers	Page 7	Page 2
2	2.3 Connection of Unused Pins Table 2-3. Connection of Unused Pins (30-pin products)	Page 24	Page 2
3	2.3 Connection of Unused Pins Table 2-2. Connection of Unused Pins (20-, 24-pin products)	Page 24	Page 3

Incorrect: **Correct:** Gray hatched

Revision History

RL78/G12 User's Manual: Hardware Rev.2.10 Correction for Incorrect Description Notice

Document Number	Date	Description
TN-RL*-A077A/E	Apr.26, 2017	First edition issued No.1 to 2 in corrections
TN-RL*-A077B/E	Jun.27, 2017	Second edition issued No.3 in corrections (This notice)

1. 1.3 List of Part Numbers (Page 7)

•Table 1-1. List of Ordering Part Numbers

Incorrect:

Pin count	Package	Data flash	Fields of Application	Part Number	
(Omitted)					
24 pins	24-pin plastic HWQFN (4 x 4 mm, 0.5 mm pitch)	Mounted	(Omitted)	(Omitted)	
		Not mounted	A	R5F1037AANA# V5 , R5F10379ANA# V5 R5F10378ANA# V5 , R5F10377ANA# V5 R5F1037AANA# X5 , R5F10379ANA# X5 R5F10378ANA# X5 , R5F10377ANA# X5	
			D	R5F1037ADNA# V5 , R5F10379DNA# V5 R5F10378DNA# V5 , R5F10377DNA# V5 R5F1037ADNA# X5 , R5F10379DNA# X5 R5F10378DNA# X5 , R5F10377DNA# X5	
		(Omitted)			

Correct:

Pin count	Package	Data flash	Fields of Application	Part Number	
(Omitted)					
24 pins	24-pin plastic HWQFN (4 x 4 mm, 0.5 mm pitch)	Mounted	(Omitted)	(Omitted)	
		Not mounted	A	R5F1037AANA#U5, R5F10379ANA#U5 R5F10378ANA#U5, R5F10377ANA#U5 R5F1037AANA#W5, R5F10379ANA#W5 R5F10378ANA#W5, R5F10377ANA#W5	
			D	R5F1037ADNA#U5, R5F10379DNA#U5 R5F10378DNA#U5, R5F10377DNA#U5 R5F1037ADNA#W5, R5F10379DNA#W5 R5F10378DNA#W5, R5F10377DNA#W5	
		(Omitted)			

2. 2.3 Connection of Unused Pins (Page 24)

•Table 2-3. Connection of Unused Pins (30-pin products)

Incorrect:

Pin name	I/O	Recommended Connection of Unused Pins
P00, P01	I/O	Input: Independently connect to V_{DD} or V_{SS} via a resistor. Output: Leave open.
P10-P17		
P20-P23		
P30, P31		
P40/TOOL0		
P50,P51		
(Omitted)		

Correct:

Pin name	I/O	Recommended Connection of Unused Pins	
P00, P01	I/O	Input: Independently connect to V _{DD} or V _{SS} via a resistor. Output: Leave open.	
P10-P17			
P20-P23			
P30, P31		Input: Independently connect to V _{DD} via a resistor or leave open. Output: Leave open.	
P40/TOOL0			
P50,P51			Input: Independently connect to V _{DD} or V _{SS} via a resistor. Output: Leave open.
(Omitted)			

3. 2.3 Connection of Unused Pins (Page 24)

•Table 2-2. Connection of Unused Pins (20-, 24-pin products)

Incorrect:

Pin name	I/O	Recommended Connection of Unused Pins
(Omitted)		
P125/RESET	input	PORTSELB = 0: Independently connect to VDD or VSS via a resistor. PORTSELB = 1: Leave open or connect to VDD.
(Omitted)		

Correct:

Pin name	I/O	Recommended Connection of Unused Pins
(Omitted)		
P125/RESET	input	PORTSELB = 0: Independently connect to VDD via a resistor. PORTSELB = 1: Leave open or connect to VDD.
(Omitted)		