Date : Apr. 3, 2020

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RL*-A0092A/E	Rev.	1.00
Title	Correction for Incorrect Description Notice RL78/G11 Descriptions in the User's Manual: Hardware Rev. 2.20 Changed		Information Category	Technical Notification		
Applicable Product	RL78/G11 Group	Lot No. All lots	Reference Document	RL78/G11 User's Manual: Hardware Rev. 2.20 R01UH0637EJ0220 (Jan. 2020)		

This document describes misstatements found in the RL78/G11 User's Manual: Hardware Rev. 2.20 (R01UH0637EJ0220).

Corrections

Applicable Item	Applicable Page	Contents
35.3.2 Supply current characteristics	Page 1007	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.	Corrections and Applicable Items			Pages in this document for corrections
	Document No.	English	R01UH0637EJ0220	
1	35.3.2 Supply current characteristics		Page 1007	Page 3

Incorrect: Bold with underline; Correct: Gray hatched

Revision History

RL78/G11 Correction for incorrect description notice

Document Number	Issue Date	Description
TN-RL*-A0092A/E	Apr. 3, 2020	First edition issued Corrections No.1 revised (this document)

1. CHAPTER 35 ELECTRICAL SPECIFICATIONS(T_A=-40 to +85℃)

35.3.2 Supply current characteristics

Incorrect:

(T_A = -40 to +85°C, 1.6 V ≤ EV_{DD} ≤ V_{DD} ≤ 5.5 V, Vss = 0 V) (3/4)

Parameter	Symbol	Conditions				MIN.	TYP.	MAX.	Unit
Supply current Note 1	I_{DD2} Note 2	HALT mode	HS (high-speed main) mode	f_{HOCO} = 48 MHz Note 4	V_{DD} = 5.0 V		0.59	2.43	mA
				f_{IH} = 24 MHz Note 4	V_{DD} = 3.0 V		0.59	2.43	
				f_{HOCO} = 24 MHz Note 4	V_{DD} = 5.0 V		0.41	1.83	
				f_{IH} = 24 MHz Note 4	V_{DD} = 3.0 V		0.41	1.83	
				f_{HOCO} = 16 MHz Note 4	V_{DD} = 5.0 V		0.39	1.38	
				f_{IH} = 16 MHz Note 4,	V_{DD} = 3.0 V		0.39	1.38	
			LS (low-speed main) mode (MCSEL = 0)	f_{IH} = 8 MHz Note 4	V_{DD} = 3.0 V		250	710	μA
					V_{DD} = 2.0 V		250	710	
			LS (low-speed main) mode (MCSEL = 1)	f_{IH} = 4 MHz Note 4	V_{DD} = 3.0 V		204	400	μA
					V_{DD} = 2.0 V		204	400	
				f_{IM} = 4 MHz Note 6	V_{DD} = 3.0 V		43	250	
					V_{DD} = 2.0 V		43	250	
			LV (low-voltage main) mode	f_{IH} = 4 MHz Note 4	V_{DD} = 3.0 V		450	700	mA
					V_{DD} = 2.0 V		450	700	

Correct:

(T_A = -40 to +85°C, 1.6 V ≤ EV_{DD} ≤ V_{DD} ≤ 5.5 V, Vss = 0 V) (3/4)

Parameter	Symbol	Conditions				MIN.	TYP.	MAX.	Unit
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					V_{DD} = 2.0 V		450	700	