

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RZ*-A0078A/E	Rev.	1.00
Title	RZ/G2H, RZ/G2M V1.3, RZ/G2M V3.0, RZ/G2N and RZ/G2E Specification Change for DC Characteristics		Information Category	Technical Notification		
Applicable Product	RZ/G Series, 2nd Generation RZ/G2H, G2M V1.3, G2M V3.0, G2N and G2E	Lot No.	Reference Document	RZ/G Series, 2nd Generation User's Manual: Hardware Rev.1.01 (R01UH0808EJ0101)		
		All lots				

This technical update describes specification change of RZ/G Series, 2nd Generation product.

[Summary]

Specification change for "Hardware Electrical Characteristics Common to RZ/G Series, 2nd Generation products".

Correction for DC Characteristics of I2C 3.3-V I/O specification corrected in [73.4 DC Characteristics].

[Priority level]

Importance: "Normal"

Urgency: "Normal"

[Products]

RZG2H

RZG2M V1.3

RZG2M V3.0

RZG2N

RZG2E

[Section number and title]

73.4 DC Characteristics

[Correction]

- Section 73.4 DC Characteristics, Page 73-33, Table 73.4.14 DC Characteristics (I2C 3.3-V I/O). Added RZ/G2H, RZ/G2M V1.3, RZ/G2M V3.0 and RZ/G2N. For RZ/G2E is corrected measurement conditions.

Current (from):

Table 73.4.14 DC Characteristics (I2C 3.3-V I/O)



Item	Symbol	Min.	Typ.	Max.	Unit	Measurement conditions	Remarks
Input high voltage	VIH	2.0	—	VDDQ_VIN01 + 0.3	V	VDDQ_VIN01, VDDQ33 = 3.0 to 3.6 V	
Input low voltage	VIL	-0.3	—	0.8	V		
Output low voltage	VOL	-0.3	—	0.4	V		IOL = 4 mA
Pin capacitance	CL	—	—	10	pF	—	All pins
Input leakage current	ILI	—	—	1	μA	VDDQ_VIN01, VDDQ33 = 3.0 to 3.6 V	All input pins
Output leakage current	ILO	—	—	1	μA	VDDQ_SD0 = 3.0 to 3.6 V Without pull-up or pull-down resistor	Hi-Z output

Correction (to):

Table 73.4.14 DC Characteristics (I2C 3.3-V I/O)

RZ/G2H	
RZ/G2M V1.3	RZ/G2M V3.0
RZ/G2N	RZ/G2E

Item	Symbol	Min.	Typ.	Max.	Unit	Measurement conditions	Remarks
Input high voltage	VIH	2.0	—	VDDQ33 + 0.3	V	VDDQ33 = 3.1 to 3.5 V	
Input low voltage	VIL	-0.3	—	0.8	V		
Output low voltage	VOL	-0.3	—	0.4	V		IOL = 4 mA
Pin capacitance	CL	—	—	10	pF	—	All pins
Input leakage current	ILI	—	—	1	μA	VDDQ33 = 3.1 to 3.5 V	All input pins
Output leakage current	ILO	—	—	1	μA	Without pull-up or pull-down resistor	Hi-Z output

RZ/G2H	
RZ/G2M V1.3	RZ/G2M V3.0
RZ/G2N	RZ/G2E

Item	Symbol	Min.	Typ.	Max.	Unit	Measurement conditions	Remarks
Input high voltage	VIH	2.0	—	VDDQ33 + 0.3	V	VDDQ33, VDDQ_SD0 = 3.0 to 3.6 V	
Input low voltage	VIL	-0.3	—	0.8	V		
Output low voltage	VOL	-0.3	—	0.4	V		IOL = 4 mA
Pin capacitance	CL	—	—	10	pF	—	All pins
Input leakage current	ILI	—	—	1	μA	VDDQ33, VDDQ_SD0	All input pins
Output leakage current	ILO	—	—	1	μA	= 3.0 to 3.6 V Without pull-up or pull-down resistor	Hi-Z output

[Description]

Add power information.

[Reason for Correction]

General error correction.

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