

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RX*-A059A/E	Rev.	1.00
Title	Changes to RX210 Group Specifications of Supply Current in Software Standby mode		Information Category	Technical Notification		
Applicable Product	RX210 Group	Lot No.	Reference Document	RX210 Group User's Manual: Hardware Rev.1.30 (R01UH0037EJ0130)		
		Chip version A Chip version C				

This document describes changes to specifications of supply current in software standby mode in RX210 Group User's Manual: Hardware Rev.1.30.

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Specifications when the SOFTCUT[2:0] bits are 000b in Table 42.8 DC Characteristics (7) are changed as follows:

Before change

Item				Symbol	Typ.*3	Max.	Unit	Test Conditions
Supply current*1	Software standby mode*2	Flash memory power supplied, HOCO power supplied, POR low power consumption function disabled (SOFTCUT[2:0] bits = 000b)	T _a = 25°C	I _{CC}	175	—	μA	
			T _a = 85°C		—	480		
			T _a = 105°C		—	550		

After change

Item				Symbol	Typ.*3	Max.	Unit	Test Conditions
Supply current*1	Software standby mode*2	Flash memory power supplied, HOCO power supplied, POR low power consumption function disabled (SOFTCUT[2:0] bits = 000b)	T _a = 25°C	I _{CC}	175	—	μA	

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Specifications when the SOFTCUT[2:0] bits are 000b in Table 42.11 DC Characteristics (10) are changed as follows:

Before change

Item				Symbol	Typ. ^{*3}	Max.	Unit	Test Conditions
Supply current ^{*1}	Software standby mode ^{*2}	Flash memory power supplied, HOCO power supplied, POR low power consumption function disabled (SOFTCUT[2:0] bits = 000b)	T _a = 25°C	I _{CC}	160	235	μA	
			T _a = 55°C		188	270		
			T _a = 85°C		220	340		
			T _a = 105°C		250	445		

After change

Item				Symbol	Typ. ^{*3}	Max.	Unit	Test Conditions
Supply current ^{*1}	Software standby mode ^{*2}	Flash memory power supplied, HOCO power supplied, POR low power consumption function disabled (SOFTCUT[2:0] bits = 000b)	T _a = 25°C	I _{CC}	160	—	μA	
			T _a = 55°C		188	—		
			T _a = 85°C		220	—		
			T _a = 105°C		250	—		