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1753, Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8668 Japan
 Renesas Electronics Corporation

Product category	MPU/MCU	Document No.	TN-RX*-A097A/E	Rev.	1.00
Title	Addition of Electrical Characteristics for the IWDT-Dedicated On-Chip Oscillator (IWDTCLK) of the Independent Watchdog Timer (IWDT) in the RX600 Series and RX200 Series		Information category	Technical Notification	
Applicable product	RX630 Group, RX63N Group, RX631 Group, RX63T Group, RX210 Group, RX21A Group, RX220 Group	Lot No.	Reference Document	RX630 Group User's Manual: Hardware Rev.1.50 (R01UH0040JJ0150) RX63N/RX631 Group User's Manual: Hardware Rev.1.70 (R01UH0041JJ0170) RX63T Group User's Manual: Hardware Rev.2.10 (R01UH0238JJ0210) RX210 Group User's Manual: Hardware Rev.1.50 (R01UH0037JJ0150) RX21A Group User's Manual: Hardware Rev.1.00 (R01UH0251JJ0100) RX220 Group User's Manual: Hardware Rev.1.10 (R01UH0292JJ0110)	
		All			

This document describes additions of electrical characteristics for the IWDT-dedicated on-chip oscillator (IWDTCLK) of the independent watchdog timer (IWDT) in User's Manual: Hardware of the applicable products. Additions are underlined in the list below.

1. Table of clock timing in the "Electrical Characteristics" section is changed as follows:

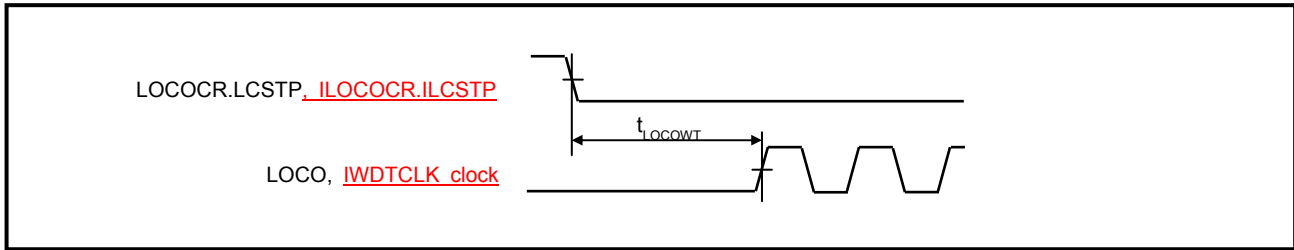
(1) RX630 Group, RX63N Group, RX631 Group, and RX63T Group

Item	Symbol	Min.	Typ.	Max.	Unit
LOCO, <u>IWDTCLK</u> clock cycle time	t_{cyc}	6.96	8	9.4	μs
LOCO, <u>IWDTCLK</u> clock oscillation frequency	f_{LOCO}	106.25	125	143.75	kHz
LOCO, <u>IWDTCLK</u> clock oscillation stabilization wait time	t_{LOCOWT}	-	-	20	μs

(2) RX210 Group, RX21A Group, and RX220 Group

Item	Symbol	Min.	Typ.	Max.	Unit
LOCO, <u>IWDTCLK</u> clock cycle time	t_{cyc}	7.27	8	8.89	μs
LOCO, <u>IWDTCLK</u> clock oscillation frequency	f_{LOCO}	112.5	125	137.5	kHz
LOCO, <u>IWDTCLK</u> clock oscillation stabilization wait time	t_{LOCOWT}	-	-	20	μs

2. Figure of "LOCO Clock Oscillation Start Timing" in the "Electrical Characteristics" section is changed as follows:



LOCO, IWDTCCLK Clock Oscillation Start Timing