

# RENESAS TECHNICAL UPDATE

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Renesas Electronics Corporation

Product Category	MPU/MCU		Document No.	TN-RX*-A171A/E	Rev.	1.00
Title	Addition to Product Lineup for RX24T Group		Information Category	Technical Notification		
Applicable Product	RX24T Group	Lot No.	Reference Document	RX24T Group User's Manual: Hardware Rev.1.00 (R01UH0576EJ0100)		

The products with 512KB-ROM and 32KB-RAM, and 64-pin package are added to the RX24T group MCU lineup as shown in Table 1.

The updated RX24T group products include the high-speed on-chip oscillator (HOCO) and the function for switching the XTAL and EXTAL pins to the general I/O ports. Also the detection voltage levels of the voltage detection circuit (LVD) have been extended to 3 levels.

Table 1. List of RX24T Group Products

Part No.	Ordering Part No. *1, *2	Package	ROM Capacity	RAM Capacity	E2 DataFlash	CAN, GPT	HOCO	Port Switching of XTAL/EXTAL	LVD Detection Level
R5F524TEADFP	R5F524TEADFP#31	100-pin LQFP	512 KB	32 KB		Yes			
R5F524TCADFP	R5F524TCADFP#31	100-pin LQFP	384 KB						
R5F524TBADFP	R5F524TBADFP#31	100-pin LQFP	256 KB						
R5F524TAADFP	R5F524TAADFP#31	100-pin LQFP	256 KB	16 KB	8 KB	No	Yes	Yes	3 levels
R5F524TAADFF	R5F524TAADFF#31	80-pin LQFP							
R5F524TAADFN	R5F524TAADFN#31	80-pin LQFP							
R5F524TAADFM	R5F524TAADFM#31	64-pin LQFP							
R5F524TAADFP	R5F524TAADFP#30	100-pin LQFP							
R5F524TAADFF	R5F524TAADFF#30	80-pin LQFP							
R5F524TAADFN	R5F524TAADFN#30	80-pin LQFP	128 KB			No	No	No	2 levels
R5F524T8ADFP	R5F524T8ADFP#31	100-pin LQFP							
R5F524T8ADFF	R5F524T8ADFF#31	80-pin LQFP							
R5F524T8ADFN	R5F524T8ADFN#31	80-pin LQFP							
R5F524T8ADFM	R5F524T8ADFM#31	64-pin LQFP							
R5F524T8ADFP	R5F524T8ADFP#30	100-pin LQFP							
R5F524T8ADFF	R5F524T8ADFF#30	80-pin LQFP				No	No	No	2 levels
R5F524T8ADFN	R5F524T8ADFN#30	80-pin LQFP							

Note 1. The ordering part numbers listed above are used while the products are being mass-produced or being developed at the time of issuance of this technical update. Refer to the website of the Renesas Electronics Corporation for the latest ordering part numbers.

Note 2. The products with the suffix of the ordering part number #30 are conventional. Please select products with the suffix of the ordering part number #31 for your new purchase of the RX24T group.