

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RX*-A0253A/E	Rev.	1.00
Title	Addition of New Products to RX23E-A Group MCUs		Information Category	Technical Notification		
Applicable Product	RX23E-A Group	Lot No.	Reference Document	RX23E-A Group User's Manual: Hardware Rev.1.00 (R01UH0801EJ0100)		
		All				

The new products with a single 24-bit delta-sigma A/D converter are newly added to the RX23E-A group MCUs.

This document contains a list of the RX23E-A group products and dimensions of the package that was newly adopted for the new products.

1. List of Products

The following eight products shown in red in Table 1 are added to the RX23E-A group MCUs.

Table 1. List of RX23E-A Group Products

Part No.	Order Part No.	Package	ROM Capacity	RAM Capacity	E2 DataFlash	Operating Frequency (max.)	Δ - Σ A/D Converter	Operating Temperature
R5F523E6ADFL	R5F523E6ADFL#30	PLQP0048KB-B	256 Kbytes	32 Kbytes	8 Kbytes	32 MHz	2 units	-40 to +85°C
R5F523E6ADNF	R5F523E6ADNF#U0	PWQN0040KC-A						
R5F523E5ADFL	R5F523E5ADFL#30	PLQP0048KB-B	128 Kbytes	16 Kbytes				
R5F523E5ADNF	R5F523E5ADNF#U0	PWQN0040KC-A						
R5F523E6AGFL	R5F523E6AGFL#30	PLQP0048KB-B	256 Kbytes	32 Kbytes				
R5F523E6AGNF	R5F523E6AGNF#U0	PWQN0040KC-A						
R5F523E5AGFL	R5F523E5AGFL#30	PLQP0048KB-B	128 Kbytes	16 Kbytes				
R5F523E5AGNF	R5F523E5AGNF#U0	PWQN0040KC-A						
R5F523E6SDFL	R5F523E6SDFL#30	PLQP0048KB-B	256 Kbytes	32 Kbytes			1 unit	-40 to +85°C
R5F523E6SDNF	R5F523E6SDNF#20	PWQN0040KD-A						
R5F523E5SDFL	R5F523E5SDFL#30	PLQP0048KB-B	128 Kbytes	16 Kbytes				
R5F523E5SDNF	R5F523E5SDNF#20	PWQN0040KD-A						
R5F523E6SGFL	R5F523E6SGFL#30	PLQP0048KB-B	256 Kbytes	32 Kbytes				
R5F523E6SGNF	R5F523E6SGNF#20	PWQN0040KD-A						
R5F523E5SGFL	R5F523E5SGFL#30	PLQP0048KB-B	128 Kbytes	16 Kbytes				
R5F523E5SGNF	R5F523E5SGNF#20	PWQN0040KD-A						

2. Package Dimensions

The following shows the dimensions of the newly-adopted PWQN0040KD-A package (40-pin QFN with 0.5-mm pitch).

JEITA Package code	RENESAS code	MASS(TYP.)[g]
P-HWQFN040-6x6-0.50	PWQN0040KD-A	0.08

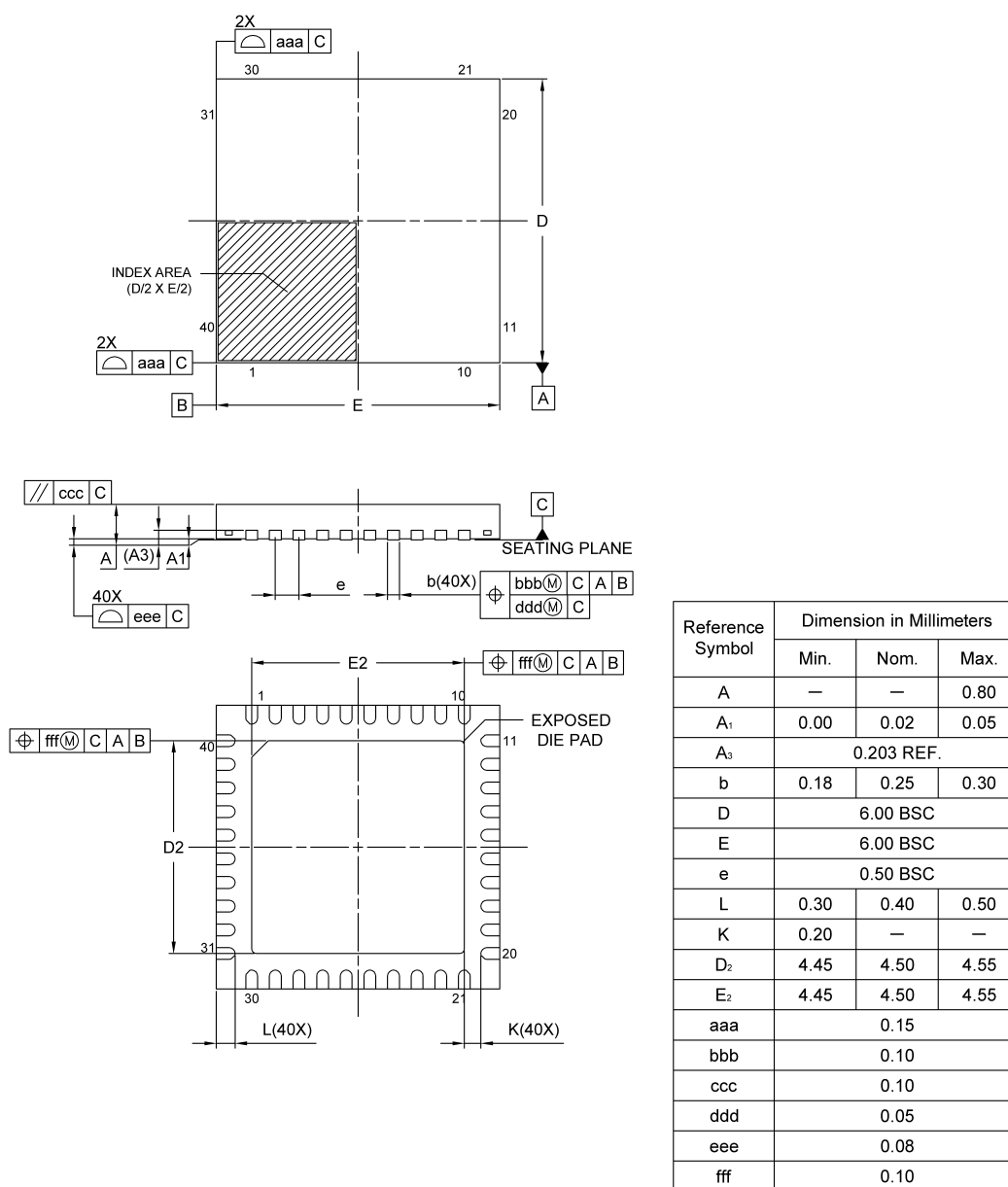


Figure 1. 40-pin HWQFN (PWQN0040KD-A)