

RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RA*-A0077A/E	Rev.	1.00
Title	RA4M3 Group, RA6M4 Group, RA6M5 Group, adding 144 pin BGA packages with operating temperature -40 to +105 °C support		Information Category	Technical Notification		
Applicable Product	RA4M3 Group	Lot No.	Reference Document	RA4M3 Group User's Manual Hardware Rev.1.30 RA6M4 Group User's Manual Hardware Rev.1.20 RA6M5 Group User's Manual Hardware Rev.1.20		
	RA6M4 Group RA6M5 Group	All				

Additional 144 pin BGA packages with operating temperature of Ta=-40 to +105°C option had been added to the RA4M3, RA6M4 and RA6M5 product groups. To incorporate this enhancement into the documentation the part names as shown in Tables 1 to 3 have been added.

Table 1. RA4M3 group operating temperature -40 to +105 °C products

Product part number	Package code	Code flash	Data flash	SRAM
R7FA4M3AF3CBM	PLBG0144KB-A	1 MB	8 KB	128 KB
R7FA4M3AE3CBM	PLBG0144KB-A	768 KB	8 KB	128 KB
R7FA4M3AD3CBM	PLBG0144KB-A	512 KB	8 KB	128 KB

Table 2. RA6M4 group operating temperature -40 to +105 °C products

Product part number	Package code	Code flash	Data flash	SRAM
R7FA6M4AF3CBM	PLBG0144KB-A	1 MB	8 KB	256 KB
R7FA6M4AE3CBM	PLBG0144KB-A	768 KB	8 KB	256 KB
R7FA6M4AD3CBM	PLBG0144KB-A	512 KB	8 KB	256 KB

Table 3. RA6M5 group operating temperature -40 to +105 °C products

Product part number	Package code	Code flash	Data flash	SRAM
R7FA6M5AH3CBM	PLBG0144KB-A	2 MB	8 KB	512 KB
R7FA6M5AG3CBM	PLBG0144KB-A	1.5 MB	8 KB	512 KB
R7FA6M5BH3CBM	PLBG0144KB-A	2 MB	8 KB	512 KB
R7FA6M5BG3CBM	PLBG0144KB-A	1.5 MB	8 KB	512 KB
R7FA6M5BF3CBM	PLBG0144KB-A	1 MB	8 KB	512 KB