

# RENESAS TECHNICAL UPDATE

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Product Category	MPU/MCU		Document No.	TN-RA*-A0069A/E	Rev.	1.00
Title	RA6M4 Group, RA4M3 Group, adding 64 pin BGA packages with operating temperature -40 to +105 °C support		Information Category	Technical Notification		
Applicable Product	RA6M4 Group RA4M3 Group	Lot No.	Reference Document	RA6M4 Group User's Manual Hardware Rev.1.20 RA4M3 Group User's Manual Hardware Rev.1.30		
		All				

Additional 64 pin BGA packages with operating temperature of Ta=-40 to +105°C option had been added to the RA6M4 and RA4M3 product groups. To incorporate this enhancement into the documentation the part names as shown in Tables 1 and 2 have been added.

Table 1. RA6M4 group operating temperature -40 to +105 °C products

Product part number	Package code	Code flash	Data flash	SRAM
R7FA6M4AF3CBQ	PLBG0064JC-A	1 MB	8 KB	256 KB
R7FA6M4AE3CBQ	PLBG0064JC-A	768 KB	8 KB	256 KB
R7FA6M4AD3CBQ	PLBG0064JC-A	512 KB	8 KB	256 KB

Table 2. RA4M3 group operating temperature -40 to +105 °C products

Product part number	Package code	Code flash	Data flash	SRAM
R7FA4M3AF3CBQ	PLBG0064JC-A	1 MB	8 KB	128 KB
R7FA4M3AE3CBQ	PLBG0064JC-A	768 KB	8 KB	128 KB
R7FA4M3AD3CBQ	PLBG0064JC-A	512 KB	8 KB	128 KB