

# RENESAS TECHNICAL UPDATE

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|                    |  |         |                      |   |      |      |
|--------------------|--|---------|----------------------|---|------|------|
| Product Category   | MPU/MCU  |         | Document No.         | TN-RA*-A0012A/E   | Rev. | 1.00 |
| Title              | RA6M1 Group, RA6M2 Group, RA6M3 Group, adding LGA/BGA packages with operating temperature -40 to +105 °C support |         | Information Category | Technical Notification  |      |      |
| Applicable Product | RA6M1 Group<br>RA6M2 Group<br>RA6M3 Group  | Lot No. | Reference Document   | RA6M1 Group User's Manual Hardware Rev.1.00<br>RA6M2 Group User's Manual Hardware Rev.1.00<br>RA6M3 Group User's Manual Hardware Rev.1.10 |      |      |
|                    |  | All     |                      |   |      |      |

Additional LGA and BGA packages with operating temperature of Ta=-40 to +105°C option had been added to the RA6M1, RA6M2 and RA6M3 product groups. To incorporate this enhancement into the documentation the part names as shown in Tables 1 to 3 have been added.

Table 1. RA6M1 group operating temperature -40 to +105 °C products

| Product name  | Orderable part number | Package code | Code flash | SRAM  | Data flash |
|---------------|-----------------------|--------------|------------|-------|------------|
| R7FA6M1AD3CLJ | R7FA6M1AD3CLJ#AC0     | PTLG0100JA-A | 512kB      | 256kB | 8kB        |

Table 2. RA6M2 group operating temperature -40 to +105 °C products

| Product name  | Orderable part number | Package code | Code flash | SRAM  | Data flash |
|---------------|-----------------------|--------------|------------|-------|------------|
| R7FA6M2AF3CLK | R7FA6M2AF3CLK#AC0     | PTLG0145KA-A | 1MB        | 384kB | 32kB       |
| R7FA6M2AD3CLK | R7FA6M2AD3CLK#AC0     |              | 512kB      |       |            |

Table 3. RA6M3 group operating temperature -40 to +105 °C products

| Product name  | Orderable part number | Package code | Code flash | SRAM  | Data flash |
|---------------|-----------------------|--------------|------------|-------|------------|
| R7FA6M3AH3CLK | R7FA6M3AH3CLK#AC0     | PTLG0145KA-A | 2MB        | 640kB | 64kB       |
| R7FA6M3AF3CLK | R7FA6M3AF3CLK#AC0     |              | 1MB        |       |            |
| R7FA6M3AH3CBG | R7FA6M3AH3CBG#AC0     | PLBG0176GE-A | 2MB        |       |            |
| R7FA6M3AF3CBG | R7FA6M3AF3CBG#AC0     |              | 1MB        |       |            |