

## Difference among various products of 3886 Group

	M38867E8A-XXXHP M38867E8AHP/FS (Note1)	M38867M8A-XXXHP (Note2)	M38869M8A-XXXHP/GP M38869MCA-XXXHP/GP M38869MFA-XXXHP/GP	M38869FFAHP/GP
<b>Processor mode</b>	Single-chip Memory expansion Microprocessor	Single-chip Memory expansion Microprocessor	Single-chip	Single-chip
<b>Package expansion</b>	HP,FS (Note3)	HP only (Note3)	HP,GP (Note 3)	HP,GP (Note 3)
<b>RAM size (Byte)</b>	1K	1K	2K	2K
<b>ROM size (Byte)</b>	32K	32K	32K : M8A 48K : MCA 60K : MFA	60K : MFA
<b>Notes on I<sup>2</sup>C-BUS</b>	Notes on “STOP condition input at 7th clock pulse” (Note 4)	Notes on “STOP condition input at 7th clock pulse” (Note 4)	The left-mentioned notes have been resolved. (Needless those notes)	The left-mentioned notes have been resolved. (Needless those notes)
<b>Power source voltage V<sub>cc</sub></b>	-0.3 to 7.0V	-0.3 to 7.0V	-0.3 to 6.5V	-0.3 to 6.5V
<b>Input voltage CNV<sub>ss</sub></b>	-0.3 to 13.0V	-0.3 to 7.0V	-0.3 to V <sub>cc</sub> +0.3V	-0.3 to 13.0V

**Notes 1:** Product not recommended for new designs

**2:** Product not recommended for new designs

**3:** HP : 0.5 mm-pitch plastic-molded LQFP

GP : 0.65 mm-pitch plastic-molded QFP

FS : 0.8 mm-pitch ceramic LCC

**4:** Please refer to “(6) STOP condition input at 7th clock pulse” of “Notes on Multi-master I<sup>2</sup>C-BUS interface” of the “3886 Group User’s Manual” about the contents of these notes.

Replacement : M38869FFAHP

Replacement : M38869M8A-XXXHP

### <Electric Characteristic Differences Between Mask ROM version and Flash memory, One Time PROM version MCUs>

There are differences in electric characteristics, operation margin, noise immunity, and noise radiation between Mask ROM and Flash Memory, One Time PROM version MCUs due to the difference in the manufacturing processes.

When manufacturing an application system with the Flash memory, One time PROM version and then switching to use of the Mask ROM version, please perform sufficient evaluations for the commercial samples of the Mask ROM version.

To our customers,

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Renesas Electronics Corporation

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