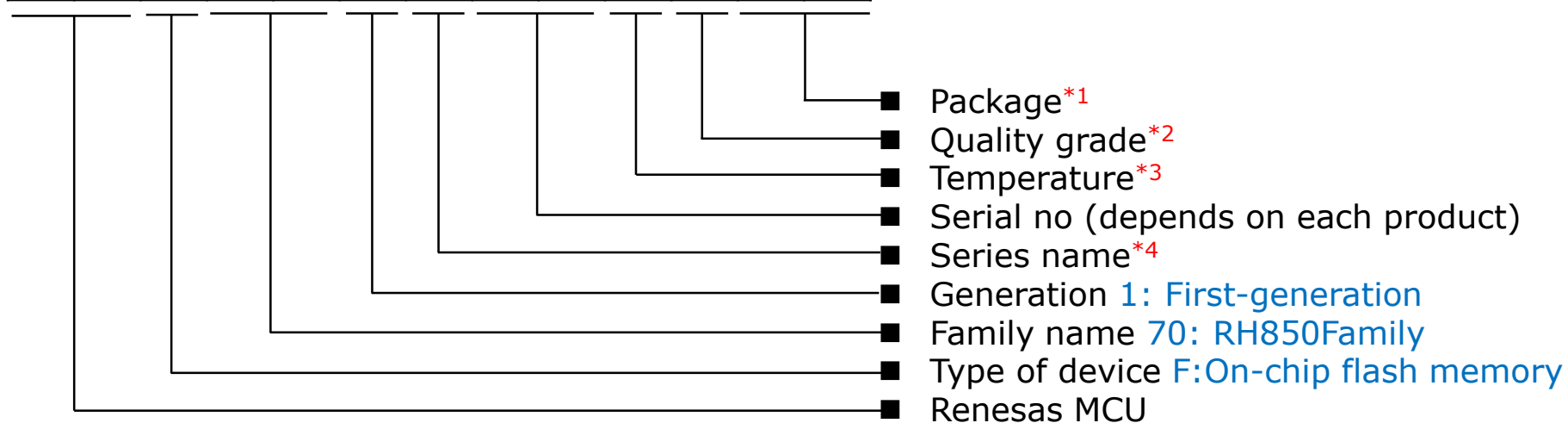


RH850 Family

R 7 F 7 0 1 0 * * 2 A F P



^{*1}: Package

| | |
|----------|------|
| FP,FA,FB | QFP |
| FT | TQFP |
| BG, BA | BGA |

^{*2}: Quality grade

| | |
|---|------------------|
| A | Q1A supported TS |
| K | Q1A |

^{*3}: Temperature

Both Ta and Tj

| | Ta | Tj |
|---|-----------------|-----------------|
| 2 | -40°C to +85°C | -40°C to +110°C |
| 3 | -40°C to +105°C | -40°C to +130°C |
| 4 | -40°C to +125°C | -40°C to +150°C |
| 5 | -40°C to +150°C | -40°C to +170°C |

Only Tj

| | Tj |
|---|-----------------|
| C | -40°C to +110°C |
| D | -40°C to +130°C |
| E | -40°C to +150°C |
| G | -40°C to +170°C |

^{*4}: Series name

| | |
|---|--|
| 0 | F series for Body |
| 2 | E series for Powertrain C series for HEV/EV |
| 3 | P series for Chassis and Safety |
| 4 | D series for Instrumentation |
| 5 | F series for Body |
| 6 | F series for Body |

RH850 Family F Series



| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 7 | F | 7 | 0 | 1 | 5 | * | * | 3 | A | B | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

- Package
FP: QFP
BG: BGA
- Quality grade
A: Q1A supported TS
- Temperature(Ta)
3: -40°C to +105°C
4: -40°C to +125°C
- Serial no (depends on each product)
- Series name
0, 5, 6 : F series for Body
- Generation 1: First-generation
- Family name 70: RH850Family
- Type of device F: On-chip flash memory
- Renesas MCU

RH850 Family P Series



| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 7 | F | 7 | 0 | 1 | 3 | * | * | E | A | F | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

- Package
FP: QFP
BG: BGA
- Quality grade
A: Q1A supported TS
- Temperature(Tj)
E: -40°C to +150°C
- Serial no (depends on each product)
- Series name
3: P series for Chassis and Safety
- Generation 1: First-generation
- Family name 70: RH850Family
- Type of device F: On-chip flash memory
- Renesas MCU

RH850 Family D Series



| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 7 | F | 7 | 0 | 1 | 4 | * | * | E | A | B | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

- Package
FB: QFP
BG: BGA
- Quality grade
A: Q1A supported TS
- Temperature(Tj)
E: -40°C to +150°C
- Serial no (depends on each product)
- Series name
4: D series for Instrumentation
- Generation 1: First-generation
- Family name 70: RH850Family
- Type of device F:On-chip flash memory
- Renesas MCU

RH850 Family C Series



| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 7 | F | 7 | 0 | 1 | 2 | * | * | E | A | B | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

- Package
FP: QFP
BG: BGA
- Quality grade
A: Q1A supported TS
- Temperature(Tj)
E: -40°C to +150°C
- Serial no (depends on each product)
- Series name 2: C series for HEV/EV
- Generation 1: First-generation
- Family name 70: RH850Family
- Type of device F: On-chip flash memory
- Renesas MCU

RH850 Family E Series



| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R | 7 | F | 7 | 0 | 1 | 2 | * | * | E | A | B | A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

- Package, pin count, pin pitch
FA: QFP144, 0.5mm
FP: QFP176, 0.5mm
BG: BGA252, 0.8mm
BA: BGA304, 0.8mm
- Quality grade
A: Q1A supported TS
- Temperature(Tj)
E: -40°C to +150°C
- Serial no (depends on each product)
- Series name
2: E series for Powertrain
- Generation 1: First-generation
- Family name 70: RH850Family
- Type of device F: On-chip flash memory
- Renesas MCU