



RX PART NUMBER GUIDE

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プロダクトマーケティング第一部

| 資料番号 |
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| 承認 | 審査 | 作成 |
|---|----|---|
|  | |  |

RX family common info



| | |
|-----|---------|
| 72M | RX72M |
| 72N | RX72N |
| 71M | RX71M |
| 66N | RX66N |
| 660 | RX660 |
| 671 | RX671 |
| 65N | RX65N |
| 651 | RX651 |
| 65W | RX65W-A |
| 64M | RX64M |
| 63N | RX63N |
| 631 | RX631 |
| 62N | RX62N |
| 621 | RX621 |
| 634 | RX634 |
| 630 | RX630 |
| 610 | RX610 |
| 72T | RX72T |
| 66T | RX66T |
| 63T | RX63T |
| 62T | RX62T |
| 62G | RX62G |
| 261 | RX261 |
| 260 | RX260 |
| | 110 |
| | RX110 |

R5 F 5 110 5 A D FM #3 0

Renesas MCU
ROM Type
F: Flash
S: ROM LESS

Product Group

| | |
|-----|-----------|
| 26T | RX26T |
| 24T | RX24T |
| 24U | RX24U |
| 23T | RX23T |
| 23W | RX23W |
| 231 | RX231 |
| 230 | RX230 |
| 23E | RX23E-A/B |
| 220 | RX220 |
| 210 | RX210 |
| 21A | RX21A |
| 14T | RX14T |
| 13T | RX13T |
| 140 | RX140 |
| 130 | RX130 |
| 113 | RX113 |
| 111 | RX111 |
| 110 | RX110 |

ROM/RAM/Data flash Size*1

Chip Original Info*1

Temperature

| | |
|----------|----------------|
| N | -20°C to 85°C |
| D | -40°C to 85°C |
| G | -40°C to 105°C |
| M | -40°C to 125°C |

*1: This information is different every RX group.

Production Identification code

Terminal specification

| | |
|----------------|--------------------|
| U,V,2,3 | Tray |
| 0,1,7 | Tray (Full carton) |
| 4,5,W,X | Tape and reel |

Package, pin count and pin pitch

| | | | | | | | |
|-----------|-------|-----|---------|-----------|-------|-----|---------|
| BD | LFBGA | 224 | 0.8 mm | FV | LQFP | 44 | 0.8 mm |
| BG | LFBGA | 176 | 0.8 mm | LA | TFLGA | 100 | 0.5 mm |
| BL | TFBGA | 85 | 0.65 mm | LC | TFLGA | 177 | 0.5 mm |
| BP | TFBGA | 64 | 0.5 mm | LD | TFLGA | 85 | 0.65 mm |
| FA | LFQFP | 120 | 0.5 mm | LE | TFLGA | 145 | 0.65 mm |
| FB | LFQFP | 144 | 0.5 mm | LF | WFLGA | 64 | 0.5 mm |
| FC | LFQFP | 176 | 0.5 mm | LH | TFLGA | 64 | 0.65 mm |
| FD | LQFP | 52 | 0.65 mm | LJ | TFLGA | 100 | 0.65 mm |
| FF | LQFP | 80 | 0.65 mm | LK | TFLGA | 145 | 0.5 mm |
| FH | LQFP | 112 | 0.65 mm | LM | WFLGA | 36 | 0.5 mm |
| FJ | LFQP | 32 | 0.8 mm | LN | TFLGA | 83 | 0.5 mm |
| FK | LQFP | 64 | 0.8 mm | ND | HWQFN | 64 | 0.5 mm |
| FL | LFQFP | 48 | 0.5 mm | NE | HWQFN | 48 | 0.5 mm |
| FM | LFQFP | 64 | 0.5 mm | NF | HWQFN | 40 | 0.5 mm |
| FN | LFQFP | 80 | 0.5 mm | NG | HVQFN | 56 | 0.4 mm |
| FP | LFQFP | 100 | 0.5 mm | NH | HWQFN | 32 | 0.5 mm |
| | | | | NK | HWQFN | 24 | 0.5 mm |

RX110 Group



R5 F 5 110 5 A D FM #3 0

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

| | |
|-----|-------|
| 110 | RX110 |
|-----|-------|

ROM/RAM Size

| | | |
|---|-------|------|
| 5 | 128KB | 16KB |
| 4 | 96KB | 16KB |
| 3 | 64KB | 10KB |
| 1 | 32KB | 10KB |
| J | 16KB | 8KB |
| H | 8KB | 8KB |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| U,2,3 | Tray |
| 0,1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|----|---------|
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| FK | LQFP | 64 | 0.80 mm |
| LF | WFLGA | 64 | 0.50 mm |
| LM | WFLGA | 36 | 0.50 mm |
| NE | HWQFN | 48 | 0.50 mm |
| NF | HWQFN | 40 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX110 (64-pin), Part number R5F51105ADFM#30

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX111 Group



R5 F 5 111 5 A D FM #3 0

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

| | |
|-----|-------|
| 111 | RX111 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 8 | 512KB | 64KB | 8KB |
| 7 | 384KB | 64KB | 8KB |
| 6 | 256KB | 32KB | 8KB |
| 5 | 128KB | 16KB | 8KB |
| 4 | 96KB | 16KB | 8KB |
| 3 | 64KB | 10KB | 8KB |
| 1 | 32KB | 10KB | 8KB |
| J | 16KB | 8KB | 8KB |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| U,2,3 | Tray |
| 0,1 | Tray (Full carton) |
| 4,5,W | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|----|---------|
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| FK | LQFP | 64 | 0.80 mm |
| LF | WFLGA | 64 | 0.50 mm |
| LM | WFLGA | 36 | 0.50 mm |
| NE | HWQFN | 48 | 0.50 mm |
| NF | HWQFN | 40 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX111 (64-pin), Part number R5F51115ADFM#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX113 Group



R5 F 5 113 8 A D FM #3 A

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

| | |
|-----|-------|
| 113 | RX113 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 8 | 512KB | 64KB | 8KB |
| 7 | 384KB | 64KB | 8KB |
| 6 | 256KB | 32KB | 8KB |
| 5 | 128KB | 32KB | 8KB |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| 2,3 | Tray |
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| LJ | TFLGA | 100 | 0.65 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX113 (64-pin), Part number R5F51138ADFM#3A

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX130 Group



R5 F 5 130 5 A D FM #3 0

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

| | |
|-----|-------|
| 130 | RX130 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 8 | 512KB | 48KB | 8KB |
| 7 | 384KB | 48KB | 8KB |
| 6 | 256KB | 32KB | 8KB |
| 5 | 128KB | 16KB | 8KB |
| 3 | 64KB | 10KB | 8KB |

Chip version

| | |
|---|----------------|
| A | Chip version A |
| B | Chip version B |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| U,2,3 | Tray |
| 0,1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| FK | LQFP | 64 | 0.80 mm |
| NE | HWQFN | 48 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX130 (64-pin), Part number R5F51305ADFM#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX13T Group



R5 F 5 13T 5 A D FL #3 0

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

| | |
|-----|-------|
| 13T | RX13T |
|-----|-------|

ROM/RAM/ Data flash Size

| | | | |
|---|-------|------|-----|
| 5 | 128KB | 12KB | 4KB |
| 3 | 64KB | 12KB | 4KB |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| 2,3 | Tray |
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|----|---------|
| FJ | LQFP | 32 | 0.80 mm |
| FL | LFBGA | 48 | 0.50 mm |
| NE | QFN | 48 | 0.50 mm |
| NH | QFN | 32 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX13T (48-pin), Part number R5F513T5ADFL#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX14T Group



R5 F 5 14T 5 A G FM #3 0

Renesas MCU
ROM Type F: Flash
RX100 Series

Product Group

| | |
|------------|-------|
| 14T | RX14T |
|------------|-------|

ROM/RAM/ Data flash Size

| | | | |
|----------|-------|------|-----|
| 5 | 128KB | 12KB | 4KB |
|----------|-------|------|-----|

Production Identification code

Terminal specification

| | |
|------------|--------------------|
| 1,7 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | | | | | |
|-----------|-------|----|---------|-----------|-------|----|---------|
| FM | LFQFP | 64 | 0.50 mm | FV | LQFP | 44 | 0.80 mm |
| FK | LQFP | 64 | 0.80 mm | NH | LQFP | 32 | 0.80 mm |
| FD | LQFP | 52 | 0.65 mm | NE | HWQFN | 48 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm | NH | HWQFN | 32 | 0.50 mm |
| | | | | NK | HWQFN | 24 | 0.50 mm |

Temperature

| | |
|----------|----------------|
| G | -40°C to 105°C |
| M | -40°C to 125°C |

Example shown here:
 RX14T (64-pin), Part number R5F514T5AGFM#30

This guide shows the meanings of each figure of Product Part Number.
 Please refer User's Manual for the actual lineup.

RX140 Group



R5 F 5 140 6 A D FM #3 0

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

| | |
|-----|-------|
| 140 | RX140 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 6 | 256KB | 64KB | 8KB |
| 5 | 128KB | 32KB | 8KB |
| 3 | 64KB | 16KB | 4KB |

Encryption Support

| | |
|---|-----|
| A | No |
| B | Yes |

Production Identification code

Terminal specification

| | |
|---|--------------------|
| 3 | Tray |
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|----|---------|
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FK | LQFP | 64 | 0.80 mm |
| FL | LFQFP | 48 | 0.50 mm |
| NE | HWQFN | 48 | 0.50 mm |
| FJ | LFQFP | 32 | 0.80 mm |
| NH | HWQFN | 32 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX140 (64-pin), Part number R5F51406ADFM#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX210 Group



R5 F 5 210 8 A D FP #V 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 210 | RX210 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | | | | | |
|----------|-------|------|-----|----------|-------|------|-----|
| B | 1MB | 96KB | 8KB | 6 | 256KB | 32KB | 8KB |
| A | 768KB | 96KB | 8KB | 5 | 128KB | 20KB | 8KB |
| 8 | 512KB | 64KB | 8KB | 4 | 96KB | 16KB | 8KB |
| 7 | 384KB | 64KB | 8KB | 3 | 64KB | 12KB | 8KB |

Chip version

| | |
|----------|----------------|
| A | Chip version A |
| B | Chip version B |
| C | Chip version C |

Production Identification code

Terminal specification

| | |
|--------------|--------------------|
| U,V,3 | Tray |
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | | | | | |
|-----------|-------|-----|---------|-----------|-------|-----|---------|
| FB | LFQFP | 144 | 0.50 mm | FK | LQFP | 64 | 0.80 mm |
| FP | LFQFP | 100 | 0.50 mm | LK | TFLGA | 145 | 0.50 mm |
| FN | LFQFP | 80 | 0.50 mm | LA | TFLGA | 100 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm | LJ | TFLGA | 100 | 0.65 mm |
| FL | LFQFP | 48 | 0.50 mm | LH | TFLGA | 64 | 0.65 mm |
| FF | LQFP | 80 | 0.65 mm | | | | |

Temperature

| | |
|----------|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX210 (100-pin), Part number R5F52108ADFP#V0

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX21A Group



R5 F 5 21A 8 B D FM #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 21A | RX21A |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 8 | 512KB | 64KB | 8KB |
| 7 | 384KB | 64KB | 8KB |
| 6 | 256KB | 32KB | 8KB |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| U,V,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| LJ | TFLGA | 100 | 0.65 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX21A (64-pin), Part number R5F521A8BDFM#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX220 Group



R5 F 5 220 6 B D FP #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 220 | RX220 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 6 | 256KB | 16KB | 8KB |
| 5 | 128KB | 8KB | 8KB |
| 3 | 64KB | 8KB | 8KB |
| 1 | 32KB | 4KB | 8KB |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| V,3 | Tray |
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| FK | LQFP | 64 | 0.80 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX220 (100-pin), Part number R5F52206BDFP#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX230 Group



R5 F 5 230 6 A D FM #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 230 | RX230 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 6 | 256KB | 32KB | 8KB |
| 5 | 128KB | 32KB | 8KB |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| U,2,3 | Tray |
| 0,1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| LA | TFLGA | 100 | 0.50 mm |
| LF | WFLGA | 64 | 0.50 mm |
| ND | HWQFN | 64 | 0.50 mm |
| NE | HWQFN | 48 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX230 (64-pin), Part number R5F52306ADFM#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX231 Group



R5 F 5 231 8 A D FM #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 231 | RX231 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 8 | 512KB | 64KB | 8KB |
| 7 | 384KB | 64KB | 8KB |
| 6 | 256KB | 32KB | 8KB |
| 5 | 128KB | 32KB | 8KB |

Encryption / SDHI / CAN Support

| | | | |
|---|-----|-----|-----|
| A | No | No | Yes |
| B | Yes | Yes | Yes |
| C | No | No | No |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| U,2,3 | Tray |
| 0,1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| LA | TFLGA | 100 | 0.50 mm |
| LF | WFLGA | 64 | 0.50 mm |
| ND | HWQFN | 64 | 0.50 mm |
| NE | HWQFN | 48 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX231 (64-pin), Part number R5F52318ADFM#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX23E-A Group



R5 F 5 23E 6 A D FL #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 23E | RX23E |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 6 | 256KB | 32KB | 8KB |
| 5 | 128KB | 16KB | 8KB |

Sensor(DSAD)

| | |
|---|--------|
| A | 2 unit |
| S | 1 unit |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| 2,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|----|---------|
| FL | LFQFP | 48 | 0.50 mm |
| NF | HWQFN | 40 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX23E-A (48-pin), Part number R5F523E6ADFL#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX23E-B Group



R5 F 5 23E 6 A D FL #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 23E | RX23E |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 6 | 256KB | 32KB | 8KB |
| 5 | 128KB | 16KB | 8KB |

24bit $\Delta\Sigma$ AD sampling rate / Analog input range / LCD support

| | | | |
|---|-----------|-----|-----|
| B | 125Ksps | 5V | No |
| J | 125Ksps | 5V | Yes |
| K | 125Ksps | 10V | No |
| L | 125Ksps | 10V | Yes |
| M | 31.25Ksps | 5V | No |
| N | 31.25Ksps | 5V | Yes |

Example shown here:
RX23E-B (40-pin), Part number R5F523E6BDNF#30

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| 2,3 | Tray |
| 0,1 | Tray (Full carton) |
| 4,5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| BS | TFBGA | 100 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| NF | HWQFN | 40 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX23T Group



R5 F 5 23T 5 A D FM #3 0

Renesas
MCU

ROM Type
F: Flash

RX200
Series

Product Group

| | |
|-----|-------|
| 23T | RX23T |
|-----|-------|

ROM/RAM Size

| | | |
|---|-------|------|
| 5 | 128KB | 12KB |
| 3 | 64KB | 12KB |

Operation voltage

| | |
|---|----|
| A | 5V |
|---|----|

Production Identification code

Terminal specification

| | |
|---|--------------------|
| 3 | Tray |
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|----|---------|
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| FD | LQFP | 52 | 0.65 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX23T (64-pin), Part number R5F523T5ADFM#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX23W Group



R5 F 5 23W 8 A D BL #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 23W | RX23W |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| 8 | 512KB | 64KB | 8KB |
| 7 | 384KB | 64KB | 8KB |

Encryption Support / antenna support

| | | |
|---|-----|-----|
| A | No | No |
| B | Yes | No |
| C | No | Yes |
| D | Yes | Yes |

Production Identification code

Terminal specification

| | |
|-------|------|
| U,2,3 | Tray |
|-------|------|

Package, pin count and pin pitch

| | | | |
|----|-------|----|---------|
| BL | TFBGA | 85 | 0.50 mm |
| LN | TFLGA | 83 | 0.50 mm |
| NG | HVQFN | 56 | 0.40 mm |

Temperature

| | |
|---|---------------|
| D | -40°C to 85°C |
|---|---------------|

Example shown here:
RX23W (85-pin), Part number R5F523W8ADBL#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX24T Group



R5 F 5 24T A A D FP #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 24T | RX24T |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|-----|
| E | 512KB | 32KB | 8KB |
| C | 384KB | 32KB | 8KB |
| B | 256KB | 32KB | 8KB |
| A | 256KB | 16KB | 8KB |
| 8 | 128KB | 16KB | 8KB |

Operation voltage

| | |
|---|----|
| A | 5V |
|---|----|

Production Identification code

Terminal specification

| | |
|---|--------------------|
| 3 | Tray |
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FF | LQFP | 80 | 0.65 mm |
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FK | LQFP | 64 | 0.8 mm |

Temperature

| | |
|---|---------------|
| D | -40°C to 85°C |
|---|---------------|

Example shown here:
RX24T (100-pin), Part number R5F524TAADFP#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX24U Group



R5 F 5 24U E A D FB #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|------------|-------|
| 24U | RX24U |
|------------|-------|

ROM/RAM/Data flash Size

| | | | |
|----------|-------|------|-----|
| E | 512KB | 32KB | 8KB |
| C | 384KB | 32KB | 8KB |
| B | 256KB | 32KB | 8KB |

Operation voltage

| | |
|----------|----|
| A | 5V |
|----------|----|

Production Identification code

Terminal specification

| | |
|----------|--------------------|
| 3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|-----------|-------|-----|---------|
| FB | LFQFP | 144 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |

Temperature

| | |
|----------|---------------|
| D | -40°C to 85°C |
|----------|---------------|

Example shown here:
RX24U (144-pin), Part number R5F524UEADFB#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX260 Group



R5 F 5 260 8 A D FP #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 260 | RX260 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|-----|
| 8 | 512KB | 128KB | 8KB |
| 7 | 384KB | 128KB | 8KB |
| 6 | 256KB | 128KB | 8KB |

Encryption / USB / CAN FD Support

| | | | |
|---|----|----|----|
| A | No | No | No |
|---|----|----|----|

Production Identification code

Terminal specification

| | |
|---|--------------------|
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| NE | HWQFN | 48 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX260 (100-pin), Part number R5F52608ADFP#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX261 Group



R5 F 5 261 8 A D F P #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

| | |
|-----|-------|
| 261 | RX261 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|-----|
| 8 | 512KB | 128KB | 8KB |
| 7 | 384KB | 128KB | 8KB |
| 6 | 256KB | 128KB | 8KB |

Encryption / USB / CAN FD Support

| | | | |
|---|-----|-----|-----|
| A | No | Yes | Yes |
| B | Yes | Yes | Yes |

Production Identification code

Terminal specification

| | |
|---|--------------------|
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| NE | HWQFN | 48 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX261 (100-pin), Part number R5F52618ADFP#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX26T Group



R5 F 5 26T E A D FP #3 0

Renesas MCU
ROM Type F: Flash
RX200 Series

Product Group

| | |
|-----|-------|
| 26T | RX26T |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|----------|-------|------|------|
| F | 512KB | 64KB | 16KB |
| B | 256KB | 64KB | 16KB |
| A | 256KB | 48KB | 16KB |
| 9 | 128KB | 64KB | 16KB |
| 8 | 128KB | 48KB | 16KB |

CAN FD, TSIP-Lite

| | | |
|----------|-----|-----|
| A | No | No |
| B | No | Yes |
| C | Yes | No |
| E | Yes | Yes |

Production Identification code

Terminal specification

| | |
|----------|--------------------|
| 3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|-----------|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| ND | HWQFN | 64 | 0.50 mm |
| NE | HWQFN | 48 | 0.50 mm |

Temperature

| | |
|----------|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
 RX26T (100-pin), Part number R5F526TEADFP#30

This guide shows the meanings of each figure of Product Part Number.
 Please refer User's Manual for the actual lineup.

RX621 Group



R5 F 5 621 7 B D B G #U 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 621 | RX621 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|------|
| 8 | 512KB | 96KB | 32KB |
| 7 | 384KB | 64KB | 32KB |
| 6 | 256KB | 64KB | 32KB |

CAN Support

| | |
|---|-----|
| A | No |
| B | Yes |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| U,V | Tray |
| 0,1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FB | LFQFP | 144 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| LE | TFLGA | 145 | 0.65 mm |
| LD | TFLGA | 85 | 0.65 mm |
| BG | LFBGA | 176 | 0.80 mm |

Temperature

| | |
|---|---------------|
| D | -40°C to 85°C |
|---|---------------|

Example shown here:
RX621 (176-pin), Part number R5F56217BDBG#U0

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX62G Group



R5 F 5 62G A B D FH #V 3

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 62G | RX62G |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|------|
| A | 256KB | 16KB | 32KB |
| 7 | 128KB | 8KB | 8KB |

Operation voltage, CAN Support

| | | |
|---|----|-----|
| A | 5V | Yes |
| D | 5V | No |

Production Identification code

Terminal specification

| | |
|---|--------------------|
| V | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FH | LQFP | 112 | 0.65 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX62G (112-pin), Part number R5F562GABDFH#V3

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX62N Group



R5 F 5 62N 7 B D BG #U 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 62N | RX62N |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|------|
| 8 | 512KB | 96KB | 32KB |
| 7 | 384KB | 64KB | 32KB |

CAN Support

| | |
|---|-----|
| A | No |
| B | Yes |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| U,V | Tray |
| 0,1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FB | LFQFP | 144 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| LE | TFLGA | 145 | 0.65 mm |
| BG | LFBGA | 176 | 0.80 mm |

Temperature

| | |
|---|---------------|
| D | -40°C to 85°C |
|---|---------------|

Example shown here:
RX62N (176-pin), Part number R5F562N7BDBG#U0

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX62T Group



R5 F 5 62T A B D FH #V 3

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 62T | RX62T |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|------|------|
| A | 256KB | 16KB | 32KB |
| 7 | 128KB | 8KB | 8KB |
| 6 | 64KB | 8KB | 8KB |

Operation voltage, CAN Support

| | | |
|---|----|-----|
| A | 5V | Yes |
| B | 3V | Yes |
| D | 5V | No |
| E | 3V | No |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| V | Tray |
| H,1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 100 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FH | LQFP | 112 | 0.65 mm |
| FF | LQFP | 80 | 0.65 mm |
| FK | LQFP | 64 | 0.80 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX62T (112-pin), Part number R5F562TABDFH#V3

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX630 Group



R5 F 5 630 7 C D FN #V 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 630 | RX630 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | | | | | |
|----------|-------|-------|------|----------|-------|------|------|
| E | 2MB | 128KB | 32KB | A | 786KB | 96KB | 32KB |
| D | 1.5MB | 128KB | 32KB | 8 | 512KB | 64KB | 32KB |
| B | 1MB | 96KB | 32KB | 7 | 384KB | 64KB | 32KB |

CAN Support

| | |
|----------|-----|
| C | No |
| D | Yes |

Production Identification code

Terminal specification

| | |
|------------|--------------------|
| U,V | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | | | | | |
|-----------|-------|-----|---------|-----------|-------|-----|---------|
| FC | LFQFP | 176 | 0.50 mm | LC | TFLGA | 177 | 0.50 mm |
| FB | LFQFP | 144 | 0.50 mm | LK | TFLGA | 145 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm | LA | TFLGA | 100 | 0.50 mm |
| FN | LFQFP | 80 | 0.50 mm | BG | LFBGA | 176 | 0.80 mm |

Temperature

| | |
|----------|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX630 (80-pin), Part number R5F56307CDFN#V0

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX631 Group



R5 F 5 631 A C D F P #V 0

Renesas MCU
ROM Type
F: Flash
S: Rom Less
RX600 Series

Product Group

| | |
|-----|-------|
| 631 | RX631 |
|-----|-------|

ROM/RAM/Data flash Size

| | ROM | RAM | Data flash | | ROM | RAM | Data flash |
|---|-------|-------|------------|---|-------|-------|------------|
| F | 2MB | 256KB | 32KB | 6 | 256KB | 128KB | 32KB |
| K | 2MB | 192KB | 32KB | P | 512KB | 64KB | 32KB |
| E | 2MB | 128KB | 32KB | N | 384KB | 64KB | 32KB |
| J | 1.5MB | 256KB | 32KB | M | 256KB | 64KB | 32KB |
| G | 1.5MB | 192KB | 32KB | 0 | 0KB | 128KB | 0KB |
| D | 1.5MB | 128KB | 32KB | | | | |
| Y | 1MB | 256KB | 32KB | | | | |
| W | 1MB | 192KB | 32KB | | | | |
| B | 1MB | 128KB | 32KB | | | | |
| A | 786KB | 128KB | 32KB | | | | |
| 8 | 512KB | 128KB | 32KB | | | | |
| 7 | 384KB | 128KB | 32KB | | | | |

CAN, DEU, PDC Support

| | Yes | Yes | No |
|----|-----|-----|-----|
| H | Yes | Yes | No |
| D | Yes | No | No |
| C | No | No | No |
| S | Yes | No | Yes |
| F* | Yes | No | No |

*64pin TFLGA only

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| U,V | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | | | | | |
|----|-------|-----|---------|----|-------|-----|---------|
| FC | LFQFP | 176 | 0.50 mm | BG | LFBGA | 176 | 0.80 mm |
| FB | LFQFP | 144 | 0.50 mm | LC | TFLGA | 177 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm | LK | TFLGA | 145 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm | LJ | TFLGA | 100 | 0.65 mm |
| FL | LFQFP | 48 | 0.50 mm | LH | TFLGA | 64 | 0.65 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:

RX631 (100-pin), Part number R5F5631ACDFP#V0

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX634 Group



R5 F 5 634 E Y D FB #3 0

Renesas MCU
ROM Type F: Flash

RX600 Series

Product Group

| | |
|-----|-------|
| 634 | RX634 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|------|
| E | 2MB | 128KB | 32KB |
| D | 1.5MB | 128KB | 32KB |
| B | 1MB | 128KB | 32KB |

Operation voltage

| | |
|---|----|
| Y | 5V |
| C | 3V |

Production Identification code

Terminal specification

| | |
|---|--------------------|
| 3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FB | LFQFP | 144 | 0.50 mm |
|----|-------|-----|---------|

Temperature

| | |
|---|---------------|
| D | -40°C to 85°C |
|---|---------------|

Example shown here:
RX634 (144-pin), Part number R5F5634EYDFB#30

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX63N Group

R5 F 5 63N A C D FP #V 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 63N | RX63N |
|-----|-------|

ROM/RAM/Data flash Size

| | | | | | | | |
|---|-------|-------|------|---|-------|-------|------|
| F | 2MB | 256KB | 32KB | Y | 1MB | 256KB | 32KB |
| K | 2MB | 192KB | 32KB | W | 1MB | 192KB | 32KB |
| E | 2MB | 128KB | 32KB | B | 1MB | 128KB | 32KB |
| D | 1.5MB | 128KB | 32KB | A | 786KB | 128KB | 32KB |

CAN, DEU Support

| | | |
|---|-----|-----|
| H | Yes | Yes |
| D | Yes | No |
| C | No | No |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| U,V | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | | | | | |
|----|-------|-----|---------|----|-------|-----|---------|
| FC | LFQFP | 176 | 0.50 mm | BG | LFBGA | 176 | 0.80 mm |
| FB | LFQFP | 144 | 0.50 mm | LC | TFLGA | 177 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm | LK | TFLGA | 145 | 0.50 mm |
| | | | | LJ | TFLGA | 100 | 0.65 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX63N (100-pin), Part number R5F563NACDFP#V0

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX63T Group



R5 F 5 63T E A D FB #V 1

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 63T | RX63T |
|-----|-------|

ROM/RAM/Data flash Size

| | | | | | | | |
|---|-------|------|------|---|------|-----|-----|
| E | 512KB | 48KB | 32KB | 6 | 64KB | 8KB | 8KB |
| C | 384KB | 32KB | 32KB | 5 | 48KB | 8KB | 8KB |
| B | 256KB | 24KB | 32KB | 4 | 32KB | 8KB | 8KB |

Operation voltage, CAN Support

| | | |
|---|----|-----|
| A | 5V | Yes |
| B | 3V | Yes |
| D | 5V | No |
| E | 3V | No |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| V | Tray |
| H,1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FB | LFQFP | 144 | 0.50 mm |
| FA | LFQFP | 120 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |
| FH | LQFP | 112 | 0.65 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX63T (144-pin), Part number R5F563TEADFB#V1

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX64M Group



R5 F 5 64M L C D FC #3 1

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 64M | RX64M |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|------|
| L | 4MB | 512KB | 64KB |
| J | 3MB | 512KB | 64KB |
| G | 2.5MB | 512KB | 64KB |
| F | 2KB | 512KB | 64KB |

Encryption, SDHI Support

| | | |
|---|-----|-----|
| D | No | Yes |
| H | Yes | Yes |
| C | No | No |
| G | Yes | No |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| V,2,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FC | LFQFP | 176 | 0.50 mm |
| FB | LFQFP | 144 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| LC | TFLGA | 177 | 0.50 mm |
| LK | TFLGA | 145 | 0.50 mm |
| LJ | TFLGA | 100 | 0.65 mm |
| BG | LFBGA | 176 | 0.80 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX64M (176-pin), Part number R5F564MLCDFC#31

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX651 Group



R5 F 5 651 9 A D FB #3 1

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 64M | RX651 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|----------|-------|-------|------|
| E | 2MB | 640KB | 32KB |
| C | 1.5MB | 640KB | 32KB |
| 9 | 1MB | 256KB | - |
| 7 | 768KB | 256KB | - |
| 4 | 512KB | 256KB | - |

Encryption, SDHI/SDSI, Dual Bank Support

| | | | |
|----------|-----|-----|-----|
| A | No | No | No |
| B | No | Yes | No |
| D | No | Yes | Yes |
| E | Yes | No | No |
| F | Yes | Yes | No |
| H | Yes | Yes | Yes |

Example shown here:
RX651 (144-pin), Part number R5F56519ADFB#31

Production Identification code

Terminal specification

| | |
|--------------|--------------------|
| V,2,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | | | | | |
|-----------|-------|-----|---------|-----------|-------|----|---------|
| FC | LFQFP | 176 | 0.50 mm | FM | LFQFP | 64 | 0.50 mm |
| BG | LFBGA | 176 | 0.80 mm | BP | TFBGA | 64 | 0.50 mm |
| LC | TFLGA | 177 | 0.50 mm | | | | |
| FB | LFQFP | 144 | 0.50 mm | | | | |
| LK | TFLGA | 145 | 0.50 mm | | | | |
| FP | LFQFP | 100 | 0.50 mm | | | | |
| LJ | TFLGA | 100 | 0.65 mm | | | | |

Temperature

| | |
|----------|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX65N Group



R5 F 5 65N 9 A D FB #3 1

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 64M | RX65N |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|------|
| E | 2MB | 640KB | 32KB |
| C | 1.5MB | 640KB | 32KB |
| 9 | 1MB | 256KB | - |
| 7 | 768KB | 256KB | - |
| 4 | 512KB | 256KB | - |

Encryption, SDHI/SDSI, Dual Bank Support

| | | | |
|---|-----|-----|-----|
| A | No | No | No |
| B | No | Yes | No |
| D | No | Yes | Yes |
| E | Yes | No | No |
| F | Yes | Yes | No |
| H | Yes | Yes | Yes |

Example shown here:
RX65N (144-pin), Part number R5F565N9ADFB#31

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| V,2,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FC | LFQFP | 176 | 0.50 mm |
| BG | LFBGA | 176 | 0.80 mm |
| LC | TFLGA | 177 | 0.50 mm |
| FB | LFQFP | 144 | 0.50 mm |
| LK | TFLGA | 145 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| LJ | TFLGA | 100 | 0.65 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX65W-A Group



R5 F 5 65W E A D BF #2 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group
65W RX65W-A

ROM/RAM/Data flash Size
E 2MB 640KB 32KB

Encryption, EtherC, SDHI/SDSI Support

| | | | |
|----------|-----|-----|-----|
| A | Yes | Yes | Yes |
| M | No | No | No |

Production Identification code

Terminal specification

2 Tray

Package, pin count and pin pitch

BF TGBGA 145 0.50 mm

Temperature

D -40°C to 85°C

Example shown here:
 RX65W (145-pin), Part number R5F565WEADBF#20

This guide shows the meanings of each figure of Product Part Number.
 Please refer User's Manual for the actual lineup.

RX660 Group



R5 F 5 660 9 A D FB #3 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 66N | RX660 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|------|
| 9 | 1MB | 128KB | 32KB |
| 4 | 512KB | 128KB | 32KB |

JTAG, Sub-Clock, CAN-FD

| | | | | | | | |
|---|-----|-----|-----|--------------------|-----|-----|-----|
| A | No | No | No* | F | Yes | No | Yes |
| B | No | No | Yes | G | Yes | Yes | No* |
| C | No | Yes | No* | H | Yes | Yes | Yes |
| D | No | Yes | Yes | *CAN2.0 is support | | | |
| E | Yes | No | No* | | | | |

Production Identification code

Terminal specification

| | |
|---|--------------------|
| 3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FB | LFQFP | 144 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX660 (144-pin), Part number R5F56609ADFB#30

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX66N Group



R5 F 5 66N N D D BD #V 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|------------|-------|
| 66N | RX66N |
|------------|-------|

ROM/RAM/Data flash Size

| | | | |
|----------|-----|-----|------|
| N | 4MB | 1MB | 32KB |
| D | 2MB | 1MB | 32KB |

Encryption

| | |
|----------|-----|
| D | No |
| H | Yes |

Production Identification code

Terminal specification

| | |
|--------------|--------------------|
| V,2,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|-----------|-------|-----|---------|
| BD | LFBGA | 224 | 0.80 mm |
| BG | LFBGA | 176 | 0.80 mm |
| FB | LFQFP | 144 | 0.50 mm |
| FC | LFQFP | 176 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| LK | TFLGA | 145 | 0.50 mm |

Temperature

| | |
|----------|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX66N (224-pin), Part number R5F566NNDDBD#V0

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX66T Group



R5 F 5 66T E A D FB #3 1

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 66T | RX66T |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|----------|-------|-------|------|
| K | 1MB | 128KB | 32KB |
| F | 512KB | 128KB | 32KB |
| E | 512KB | 64KB | 32KB |
| A | 256KB | 64KB | 32KB |

PGA, Encryption, USB

| | | | |
|----------|-----|-----|-----|
| A | Yes | No | No |
| B | No | No | No |
| C | Yes | No | Yes |
| E | Yes | Yes | No |
| F | No | Yes | No |
| G | Yes | Yes | Yes |

Example shown here:
RX66T (144-pin), Part number R5F566TEADFB#31

Production Identification code

Terminal specification

| | |
|----------|--------------------|
| 3 | Tray |
| 1 | Tray (Full carton) |
| 5 | Tape and reel |

Package, pin count and pin pitch

| | | | |
|-----------|-------|-----|---------|
| FB | LFQFP | 144 | 0.50 mm |
| FH | LQFP | 112 | 0.65 mm |
| FP | LFQFP | 100 | 0.50 mm |
| FF | LQFP | 80 | 0.65 mm |
| FN | LFQFP | 80 | 0.50 mm |
| FM | LFQFP | 64 | 0.50 mm |
| FL | LFQFP | 48 | 0.50 mm |

Temperature

| | |
|----------|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX671 Group



R5 F 5 671 E D D FB #1 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 671 | RX671 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|-----|
| E | 2MB | 384KB | 8KB |
| C | 1.5MB | 384KB | 8KB |
| 9 | 1MB | 384KB | 8KB |

Encryption

| | |
|---|-----|
| D | No |
| H | Yes |

Production Identification code

Terminal specification

| | |
|-----|--------------------|
| 2,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | | | | | |
|----|-------|-----|---------|----|-------|----|---------|
| LE | TFLGA | 145 | 0.65 mm | NE | HWQFN | 48 | 0.50 mm |
| LK | TFLGA | 145 | 0.50 mm | | | | |
| FB | LFQFP | 144 | 0.50 mm | | | | |
| FP | LFQFP | 100 | 0.50 mm | | | | |
| LJ | TFLGA | 100 | 0.65 mm | | | | |
| FM | LFQFP | 64 | 0.50 mm | | | | |
| BP | TFBGA | 64 | 0.50 mm | | | | |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX671 (144-pin), Part number R5F5671EDDFB#10

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX71M Group



R5 F 5 71M L C D FC #V 0

Renesas MCU ROM Type F: Flash RX700 Series

Product Group

| | |
|-----|-------|
| 71M | RX71M |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|------|
| L | 4MB | 512KB | 64KB |
| J | 3MB | 512KB | 64KB |
| G | 2.5MB | 512KB | 64KB |
| F | 2KB | 512KB | 64KB |

Encryption, SDHI Support

| | | |
|---|-----|-----|
| D | No | Yes |
| H | Yes | Yes |
| C | No | No |
| G | Yes | No |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| V,2,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FC | LFQFP | 176 | 0.50 mm |
| FB | LFQFP | 144 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| LC | TFLGA | 177 | 0.50 mm |
| LK | TFLGA | 145 | 0.50 mm |
| LJ | TFLGA | 100 | 0.65 mm |
| BG | LFBGA | 176 | 0.80 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX71M (176-pin), Part number R5F571MLCDFC#V0

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX72M Group



R5 F 5 72M N D D FC #3 1

Renesas MCU ROM Type F: Flash RX700 Series

Product Group

| | |
|-----|-------|
| 72M | RX72M |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-----|-----|------|
| N | 4MB | 1MB | 32KB |
| D | 2MB | 1MB | 32KB |

Encryption

| | |
|---|-----|
| D | No |
| H | Yes |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| V,2,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| BD | LFBGA | 224 | 0.85 mm |
| BG | LFBGA | 176 | 0.80 mm |
| FC | LFQFP | 176 | 0.50 mm |
| FB | LFQFP | 144 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX72M (176-pin), Part number R5F572MNDDFC#31

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX72N Group



R5 F 5 72N N D D BD #V 0

Renesas MCU ROM Type F: Flash RX700 Series

Product Group

| | |
|-----|-------|
| 72N | RX72N |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-----|-----|------|
| N | 4MB | 1MB | 32KB |
| D | 2MB | 1MB | 32KB |

Encryption

| | |
|---|-----|
| D | No |
| H | Yes |

Production Identification code

Terminal specification

| | |
|-------|--------------------|
| V,2,3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| BD | LFBGA | 224 | 0.80 mm |
| BG | LFBGA | 176 | 0.80 mm |
| FB | LFQFP | 144 | 0.50 mm |
| FC | LFQFP | 176 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |
| LK | TFLGA | 145 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

Example shown here:
RX72N (224-pin), Part number R5F572NNDDBD#V0

This guide shows the meanings of each figure of Product Part Number. Please refer User's Manual for the actual lineup.

RX72T Group



R5 F 5 72T E A D FB #3 1

Renesas MCU ROM Type F: Flash RX700 Series

Product Group

| | |
|-----|-------|
| 72T | RX72T |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|------|
| K | 1MB | 128KB | 32KB |
| F | 512KB | 128KB | 32KB |

PGA, Encryption, USB

| | | | |
|---|-----|-----|-----|
| A | Yes | No | No |
| B | No | No | No |
| C | Yes | No | Yes |
| E | Yes | Yes | No |
| F | No | Yes | No |
| G | Yes | Yes | Yes |

Example shown here:
RX72T (144-pin), Part number R5F572TEADFB#31

Production Identification code

Terminal specification

| | |
|---|--------------------|
| 3 | Tray |
| 1 | Tray (Full carton) |

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FB | LFQFP | 144 | 0.50 mm |
| FP | LFQFP | 100 | 0.50 mm |

Temperature

| | |
|---|----------------|
| D | -40°C to 85°C |
| G | -40°C to 105°C |

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.

RX610 Group



R5 F 5 610 8 V N FP #V 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

| | |
|-----|-------|
| 610 | RX610 |
|-----|-------|

ROM/RAM/Data flash Size

| | | | |
|---|-------|-------|------|
| 8 | 2MB | 128KB | 32KB |
| 7 | 1.5MB | 128KB | 32KB |
| 6 | 1MB | 128KB | 32KB |
| 4 | 768KB | 128KB | 32KB |

Pin Count

| | |
|---|-----|
| V | 144 |
| W | 176 |

Production Identification code

Terminal specification

| | |
|-----|------|
| U,V | Tray |
|-----|------|

Package, pin count and pin pitch

| | | | |
|----|-------|-----|---------|
| FP | LFQFP | 144 | 0.50 mm |
| BG | LFBGA | 176 | 0.80 mm |

Temperature

| | |
|---|---------------|
| N | -20°C to 85°C |
| D | -40°C to 85°C |

Red letters: RX610 is different from RX common rules.

Example shown here:
RX610 (144-pin), Part number R5F56108VNFP#V0

This guide shows the meanings of each figure of Product Part Number.
Please refer User's Manual for the actual lineup.