

RX family common info



R5 F 5 110 5 A D FM #3 0

Renesas MCU
ROM Type
F: Flash
S: ROM LESS
RX Family

Product Group

71M	RX71M	24T	RX24T
64M	RX64M	23T	RX23T
651	RX651	231	RX231
65N	RX65N	230	RX230
631	RX631	220	RX220
63N	RX63N	210	RX210
621	RX621	21A	RX21A
62N	RX62N	130	RX130
634	RX634	113	RX113
630	RX630	111	RX111
63T	RX63T	110	RX110
62T	RX62T		
62G	RX62G		

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

Production Identification code

Terminal specification

u,2	Tray (HWQFN,WFLGA,TFLGA,LFBGA,WFBGA)
v,3	Tray (LFQFP,LQFP)

Package, pin count and pin pitch

BG	LFBGA	176	0.8 mm	LA	TFLGA	100	0.5 mm
FA	LFQFP	120	0.5 mm	LC	TFLGA	177	0.5 mm
FB	LFQFP	144	0.5 mm	LD	TFLGA	85	0.65 mm
FC	LFQFP	176	0.5 mm	LE	TFLGA	145	0.65 mm
FD	LQFP	52	0.65 mm	LF	WFLGA	64	0.5 mm
FF	LQFP	80	0.65 mm	LH	TFLGA	64	0.65 mm
FH	LQFP	112	0.65 mm	LJ	TFLGA	100	0.65 mm
FK	LQFP	64	0.8 mm	LK	TFLGA	145	0.5 mm
FL	LFQFP	48	0.5 mm	LM	WFLGA	36	0.5 mm
FM	LFQFP	64	0.5 mm	ND	HWQFN	64	0.5 mm
FN	LFQFP	80	0.5 mm	NE	HWQFN	48	0.5 mm
FP	LFQFP	100	0.5 mm	NF	HWQFN	40	0.5 mm

*1:This information is different every RX group.

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

2018/12/13 rev7.0

RX110 Group



R5 F 5 110 5 A D FM #3 0

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

110	RX110
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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	Tray (HWQFN,WFLGA)
v,3	Tray (LFQFP,LQFP)

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.

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RX111 Group



R5 F 5 111 5 A D FM #3 0

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

111	RX111
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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	Tray (HWQFN,WFLGA)
v,3	Tray (LFQFP,LQFP)

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.

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RX113 Group



R5 F 5 113 8 A D FM #3 A

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

113	RX113
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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

u,2	Tray (TFLGA)
v,3	Tray (LFQFP)

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.

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RX130 Group



R5 F 5 130 5 A D FM #3 0

Renesas MCU ROM Type F: Flash RX100 Series

Product Group

130	RX130
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ROM/RAM/Data flash Size

8	512KB	48KB	8KB
5	384KB	48KB	8KB
5	256KB	32KB	8KB
5	128KB	16KB	8KB
3	64KB	10KB	8KB

Production Identification code

Terminal specification

u,2	Tray (HWQFN)
v,3	Tray (LFQFP,LQFP)

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:
RX113 (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.

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RX210 Group



R5 F 5 210 8 A D F P # V 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

210	RX210
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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,2	Tray (TFLGA,WFBGA)
v,3	Tray (LFQFP,LQFP)

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.

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RX21A Group



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

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

21A	RX21A
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ROM/RAM/Data flash Size

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

Production Identification code

Terminal specification

u,2	Tray (TFLGA)
v,3	Tray (LFQFP)

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.

2018/12/13 rev7.0

RX220 Group



R5 F 5 220 6 B D FP #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

220	RX220
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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 (LFQFP,LQFP)

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.

2018/12/13 rev7.0

RX231 Group



R5 F 5 231 8 A D FM #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

231	RX231
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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	Tray (HWQFN,WFLGA,TFLGA)
v,3	Tray (LFQFP)

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.

2018/12/13 rev7.0

RX230 Group



R5 F 5 230 6 A D FM #3 0

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

230	RX230
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ROM/RAM/Data flash Size

6	256KB	32KB	8KB
5	128KB	32KB	8KB

Production Identification code

Terminal specification

u,2	Tray (HWQFN,WFLGA,TFLGA)
v,3	Tray (LFQFP)

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.

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RX23T Group



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

Renesas
MCU

ROM Type
F: Flash

RX200
Series

Product Group

23T	RX23T
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ROM/RAM Size

5	128KB	12KB
3	64KB	12KB

Operation voltage

A	5V
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Production Identification code

Terminal specification

v,3 Tray (LFQFP,LQFP)

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.

2018/12/13 rev7.0

RX24T Group



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

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

24T	RX24T
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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
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Production Identification code

Terminal specification

v,3 Tray (LFQFP,LQFP)

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

Temperature

D	-40°C to 85°C
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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.

2018/12/13 rev7.0

RX24U Group

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

Renesas MCU ROM Type F: Flash RX200 Series

Product Group

24U	RX24U
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ROM/RAM/Data flash Size

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

Operation voltage

A	5V
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Production Identification code

Terminal specification

v,3	Tray (LFQFP,LQFP)
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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
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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.

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RX62N Group



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

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

62N	RX62N
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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,2	Tray (TFLGA,LFBGA)
v,3	Tray (LFQFP)

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
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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.

2018/12/13 rev7.0

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
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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,2	Tray (TFLGA,LFBGA)
v,3	Tray (LFQFP)

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
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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.

2018/12/13 rev7.0

RX62T Group

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

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

62T	RX62T
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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,3 Tray (LFQFP,LQFP)

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.

2018/12/13 rev7.0

RX62G Group

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

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

62G	RX62G
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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,3 Tray (LFQFP,LQFP)

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.

2018/12/13 rev7.0

RX630 Group



R5 F 5 630 7 C D FN #V 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

630	RX630
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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,2	Tray (TFLGA, LFBGA)
v,3	Tray (LFQFP)

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.

2018/12/13 rev7.0

RX634 Group



R5 F 5 634 E Y D FB #3 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

634	RX634
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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

v,3 Tray (LFQFP)

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.

2018/12/13 rev7.0

RX63N Group

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

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

63N	RX63N
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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,2	Tray (TFLGA,LFBGA)
v,3	Tray (LFQFP)

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.

2018/12/13 rev7.0

RX631 Group



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

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

Product Group

631	RX631
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ROM/RAM/Data flash Size

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

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,2	Tray (TFLGA,LFBGA)
v,3	Tray (LFQFP)

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.

2018/12/13 rev7.0

RX63T Group

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

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

63T	RX63T
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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,3 Tray (LFQFP,LQFP)

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.

2018/12/13 rev7.0

RX65N Group



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

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

64M	RX65N
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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	Yes	No	No
E	Yes	No	Yes
F	Yes	Yes	No
H	Yes	Yes	Yes

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

Production Identification code

Terminal specification

u,2	Tray (TFLGA,LFBGA)
v,3	Tray (LFQFP)

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.

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RX651 Group



R5 F 5 651 9 A D FB #3 1

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

64M	RX651
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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	Yes	No	No
E	Yes	No	Yes
F	Yes	Yes	No
H	Yes	Yes	Yes

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

Production Identification code

Terminal specification

u,2	Tray (TFLGA,LFBGA)
v,3	Tray (LFQFP)

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.

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RX64M Group



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

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

64M	RX64M
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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

u,2	Tray (TFLGA,LFBGA)
v,3	Tray (LFQFP)

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.

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RX71M Group



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

Renesas MCU
ROM Type F: Flash
RX700 Series

Product Group

71M	RX71M
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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

u,2	Tray (TFLGA,LFBGA)
v,3	Tray (LFQFP)

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.

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RX66T Group



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

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

64M	RX66T
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ROM/RAM/Data flash Size

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

PGA, TSIP-Lite, 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 R5F56rTEADFB#31

Production Identification code

Terminal specification

3 Tray (LFQFP)

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

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.

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RX610 Group



R5 F 5 610 8 V N FP #V 0

Renesas MCU ROM Type F: Flash RX600 Series

Product Group

610	RX610
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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,2	Tray (LFBGA)
v,3	Tray (LFQFP)

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

赤字：RX610のみ、RX共通ルールとは異なります。

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.

2018/12/13 rev7.0

改訂来歴

Revision	対象製品グループ	改訂前ページ	改訂後ページ	改訂内容
2012年11月 rev3.0a	-	-	-	第三校
2016年1月 rev4.0	-	P1-P10	全項	Terminal specificationの表記内容に#2,#3を追加
	RX210/RX21A/RX62T/RX62G/RX630/RX63N/ RX631/RX63T	P1,P5~P10	P7~P8,P15~P17 ,P19~P21	TemperatureにG品を追加
	RX210/RX21A	P1	P7,P8	RX210とRX21Aに分離
	RX210	P1	P7	<ul style="list-style-type: none"> ROM/RAM/DATA FLASHの内容追加(A,B) Package, pin count and pin pitchの内容追加(FB,FL,LK,LA,LH,BM)
	RX21A	P1	P8	<ul style="list-style-type: none"> ROM/RAM/DATA FLASHの内容削除(3,4,5) Package, pin count and pin pitchの内容削除(FF,FK)
	RX220	P2	P9	<ul style="list-style-type: none"> Package, pin count and pin pitchの内容追加(FK) Terminal specificationの#Uを削除
	RX62N/RX621	P4	P13,P14	RX62NとRX621に分離
	RX62N	P4	P13	<ul style="list-style-type: none"> ROM/RAM/DATA FLASHの内容削除(6) Package, pin count and pin pitchの内容削除(LD)
	RX62T	P5	P15	Terminal specificationの#Uを削除
	RX63N/RX631	P8	P19,P20	RX63NとRX631に分離
	RX63N	P8	P19	<ul style="list-style-type: none"> ROM/RAM/DATA FLASHの内容追加(F,K,Y,W) ROM/RAM/DATA FLASHの内容削除(P,N,M,8,7,6,0) CAN Bus FunctionをCAN,DEU Supportに変更し、項目を追加(H)
	RX631	P8	P20	<ul style="list-style-type: none"> ROM/RAM/DATA FLASHの内容追加(F,K,J,G,Y,W) CAN Bus FunctionをCAN,DEU,PDC Supportに変更し、項目を追加(H,S,F) Package, pin count and pin pitchの内容追加(FL,FM,LH)
	RX63T	P9,P10	P21	RX63T,RX63T-HをRX63Tに統合
	-	-	-	P1,P25
-	-	-	P2	RXファミリのRX型名共通ルール(RX Family Common Info)をまとめた情報を追加
-	-	-	P3~P5 P10~P12 P18,P22 P23	RX100シリーズ(RX110,RX111,RX113,RX130)の追加 RX200シリーズ(RX230,RX231,RX23T)の追加 RX600シリーズ(RX634,RX64M)の追加 RX700シリーズ(RX71M)の追加

改訂来歴

Revision	対象製品グループ	改訂前ページ	改訂後ページ	改訂内容
2017年2月 rev5.0	RX24T,RX65N,RX651	2	2	RX24T,RX65N,RX651情報追加
	RX24T	-	13	RX24Tページ新規作成
	RX65N,RX651	-	23,24	RX65N,RX651ページ新規作成
2018年6月 Rev6.0	RX130,RX24T,RX24U,RX65N,RX651	6,13,23,24	6,13,14,24,25	RX24U:新規作成 RX130,RX24T,RX651,RX65N : 製品ラインナップ拡張による修正
2018年12月 Rev7.0	RX66T	-	28	RX66T:新規作成

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