

RL78:EXPLANATION OF ORDERABLE PART NUMBERS

(For part numbers start with R5F)

R5 F 1 00 6 E C A SP #Vx

Renesas MCU ROM Type F: Flash RL78 Family

Product group

00	G13 with DF	0M	I1B	1F	G1H
01	G13 no DF	0N	I1C with AES	1M	L1A
02	G12 with DF	0P	F14	1N	H1D with AFE
03	G12 no DF	0R	L12	1P	H1D with AFE
04	G14	0W	L13	1R	H1D no AFE
05	G11	0Y	G10	1T	I1C no AES
07	I1A	10	L1C with USB	1W	G1M
09	F12	11	L1C no USB	1Y	G1N
0A	F13 no CAN	13	F15	1Z	G1P
0B	F13 with CAN	17	I1D	40	G13A
0E	G1A	1A	G1D		
0F	G1E	1B	G1F		
0J	G1C USBHost	1C	I1E		
0K	G1C USB Peri	1E	G1G		

Temperature & Quality Grade

A	-40°C to 85°C	Consumer
D	-40°C to 85°C	Industrial
G	-40°C to 105°C	Industrial
M	-40°C to 125°C	Industrial
J	-40°C to 85°C	Automotive
L	-40°C to 105°C	Automotive
K	-40°C to 125°C	Automotive
Y	-40°C to 150°C	Automotive

Packaging, Material (Pb-free)

#H, #1	Full Carton (LFQFP, LQFP, TSSOP)
#H	Full Carton (SSOP*2)
#G, #0	Full Carton (SSOP*3, VQFN, HWQFN, WQFN)
#U, #2	Tray (HWQFN, HVQFN, VFBGA, WFLGA, VFBGA)
#V, #3	Tray, Tube*1 (LFQFP, LQFP, LSSOP, TSSOP, SSOP)
#W, #4	Embossed Tape (HWQFN, HVQFN, VFBGA, WFLGA, VFBGA)
#X, #5	Embossed Tape (LFQFP, LQFP, LSSOP, TSSOP, SSOP)

Pin count

1	10	E	40
4	16	F	44
6	20	G	48
7	24	J	52
8	25	L	64
A	30	M	80
B	32	P	100
C	36	S	128
D	38	T	144

ROM Size (KB)

4	1	E	64
6	2	F	96
7	4	G	128
8	8	H	192
9	12	J	256
A	16	K	384
C	32	L	512
D	48		

Bonding wire (Only part of RL78/F1x)*4

C	Cu (Copper)
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Package, Pin Pitch

SP	SSOP 0.65 mm	LA	WFLGA 0.5 mm
	LSSOP 0.65 mm		VFLGA 0.65 mm
SM	TSSOP 0.65 mm	BG	VFBGA 0.4 mm
NA	HWQFN 0.5 mm		TFBGA 0.5mm
	HVQFN 0.5 mm	FA	LQFP 0.65 mm
NB	HWQFN 0.65 mm	FB	LFQFP 0.5 mm
	HWQFN 0.4 mm		FP

*1: For 20-pin RL78/G11, RL78/G12 and RL78/I1A LSSOP products only the package specification is tube.
 *2: Includes RL78/F12.
 *3: Does not include RL78/F12.
 *4: Please contact Renesas sales or agent for details.

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