

# RL78: SERIES TYPE NUMBER SCHEME

**RL78/**

**R5 F 1 00 6 E A SP #V0**

**Renesas MCU**

**Rom type**

F = Flash

**RL78 series**

**Product Group**

Pin  
count

ROM  
code

**Suffix**

Part name example:

RL78/G13 (20pin): R5F1006EASP#V0

RL78/G13 (48pin): R5F100GAAFP#V0

#U*, #2*	Tray*2 (QFN, BGA, LGA, BGA)	#W*, #4*	T&R*2 (QFN, BGA, LGA,BGA)
#V*, #1*,#3*	Tray*1 (QFP, SSOP)	#X*, #5*	T&R (QFP, SSOP)

00	G13 with DF	0J	G1C USBHost	1B	G1F
01	G13 no DF	0K	G1C USB Peri	1C	I1E AFE
02	G12 with DF	0M	I1B metering	1E	G1G
03	G12 no DF	0N	I1C metering	1F	G1H Sub-GHz
04	G14	0P	F14 with CAN	1M	L1A
05	G11	0R	L12	1N	H1D with AFE
07	I1A	0W	L13	1P	H1D with AFE
09	F12	0Y	G10	1R	H1D no AFE
0A	F13 no CAN	10	L1C with USB	1T	I1C no AES
0B	F13 with CAN	11	L1C no USB	1Z	G1P
0C	D1A no CAN	13	F15 with CAN	1W	G1M
0D	D1A with CAN	14	F1A with CAN	1Y	G1N
0E	G1A	17	I1D	40	G13A
0F	G1E	1A	G1D BLE		

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

-		D	48
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

**Grade & temperature**

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

**Package**

SP	SSOP 0.65mm or LSSOP 0.65mm	BG	VFBGA 0.4mm
NA	HWQFN 0.5mm or HVQFN 0.5mm	FA	LQFP 0.65mm
NB	HWQFN 0.65mm HWQFN 0.4mm	FB	LFQFP 0.5 mm
LA	WFLGA 0.5mm or VFLGA 0.65mm	FP	LQFP 0.8mm

\*1: 20-pin LSSOP products of RL78/G11, G12 and RL78/I1A are Tube.

\*2: RL78/F13 and RL78/F14 SSOP products are included.