

September 25, 2014

Product Specifications of the RL78/G1G MCUs

Group name		RL78/G1G		
Pin count		30 pin	32 pin	44 pin
Part #		R5F11EA	R5F11EB	R5F11EF
Code flash memory (Bytes)		8/16 K		
Data flash memory		None		
RAM (Bytes)		1.5 K		
Main system clock		<ul style="list-style-type: none"> External clock: 1-20 MHz On-chip high-speed system clock: 48/24/16/12/8/4/1 MHz On-chip low-speed system clock: 15 kHz 		
CPU		RL78 CPU (Multiplication and Division/ Multiplication and Accumulation instructions are supported)		
I/O		26	28	40
Timer (Note 1)		16-bit: 7 ch 12-bit: 1 ch Watchdog timer: 1 ch		
10-bit A/D		8		12
Comparator		2		
Serial I/F	CSI UART Simple I ² C (Note 2)	1 ch 2 ch 1 ch		
External interrupt		6		7
ELC		Event signals: 18 Event trigger output: 6		Event signals: 19 Event trigger output: 6
Other peripherals		On-chip voltage detector (LVD),		On-chip voltage detector (LVD), On-chip power-on-reset

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	On-chip power-on-reset (POR) circuit, Safety functions	(POR)circuit, Key return, Safety functions
Power supply voltage	2.7 V-5.5 V	
Operating ambient temperature	-40°C-85°C	

(Note 1) The 12-bit timer is exclusively for use as an interval timer.

(Note 2) Maximum values for single use. The CSI and simplified I²C cannot be used when one UART channel is in use.

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