

April 17, 2013

Product Specifications of the RL78/G10 Group of MCUs

		Features				
Group name		RL78/G10 Group				
Number of pins		10-pin		16-pin (Under planning)		
Part name		R5F10Y 16ASP	R5F10Y 14ASP	R5F10Y 47ASP	R5F10Y 46ASP	R5F10Y 44ASP
Code flash memory		2 KB	1 KB	4 KB	2 KB	1 KB
Data Flash memory		None				
RAM		256 B	128 B	512 B	256 B	128 B
Main system clock	High-speed system clock	-		Crystal/ceramic oscillation, external main system clock input		
	High-speed on-chip oscillator clock	20 / 10 / 5 / 2.5 / 1.25 MHz				
Low-speed on-chip oscillator clock		15 kHz				
I/O		8		14		
Timer		16-bit 2 ch		16-bit 4 ch		
Interval timer		none		1 ch		
Watchdog timer		1 ch				
Serial interface	CSI	1 ch		2 ch		
	UART	1 ch		1 ch		
	Simplified IIC	1 ch		1 ch		
IIC		none		1 ch		
8/10-bit AD		4 ch		8 ch		
Comparator		none		1 ch		
External interrupt		3 ch		5 ch		
Key interrupt		6 ch				

Selectable power on reset circuit	Detection voltage 2.0 V / 2.4 V / 2.7 V / 4.0 V
Power supply voltage	2.0 V–5.5 V
Operating ambient temperature	-40°C–85°C