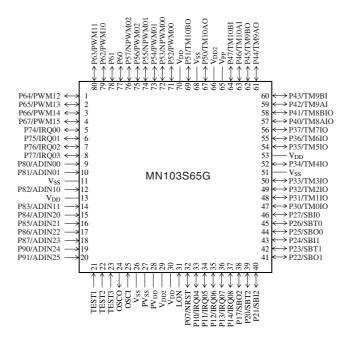
■ MN103S65G

Type Internal ROM Internal RAM Package	MN103S65G 128 K-byte 4 K-byte SRAM		
Internal RAM	·		
	4 K-byte SRAM		
Package	4 K-byte SRAM LQFP080-P-1414A *Lead-free		
Minimum Instruction Execution Time	25 ns (at 4.3 V to 5.5 V, 10 MHz internal regulator used) 25 ns (at 3.0 V to 3.6 V, 10 MHz) *at internal 4 times oscillation used)		
Interrupts	 9 external interrupts 42 internal interrupts (watch dog timer, timer, serial I/F, PWM, A/D, system error) 		
Timer Counter	Eight 8-bit timers Interval timer, Event counter, Cascading Four 16-bit timers Interval timer, Event counter, PWM output, Double buffer Watch dog timer		
Serial Interface	UART (full duplex) / synchronous interfaces selective: 3		
I/O Pins I/O	50 exclusive: 2, selective: 48		
Input	10 selective: 10		
A/D Inputs	10-bits, 2 inputs: 2, 6 inputs: 1 Minimum conversion time 1.5us		
PWM	3-phase PWM output 16-bit counter, triangular waveform or jigsaw waveform dead time setup, Double buffer		

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Pin Assignment



LQFP080-P-1414A *Lead-free

Support Tool

In-circuit Emulator	PX-ICE-103S52	
On board Debugger	PX-ODB103S-DO	
Flash Memory Built-in Type	Туре	MN103SF65G
	ROM	128 K-byte
	RAM	4 K-byte SRAM
	Minimum instruction execution time	25 ns (at 4.3 V to 5.5 V, 10 MHz internal regulator used)
		25 ns (at 3.0 V to 3.6 V, 10 MHz)
	Package	LQFP080-P-1414A *Lead-free
		·

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