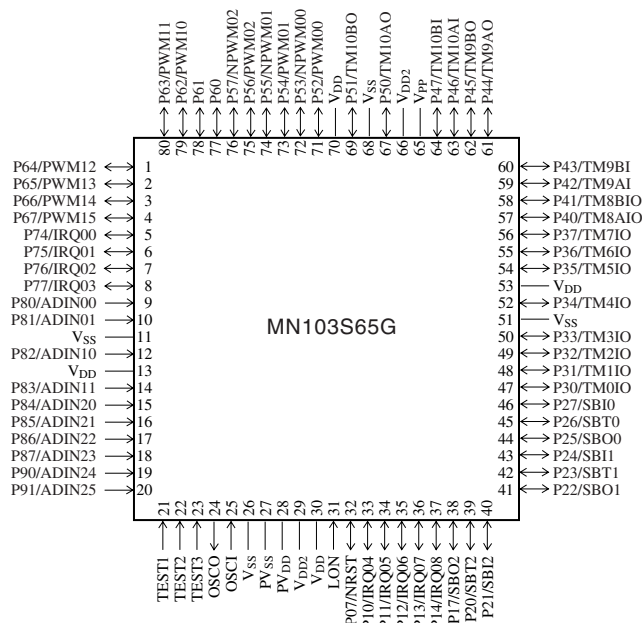


MN103S65G

Type			MN103S65G
Internal ROM			128 K-byte
Internal RAM			4 K-byte SRAM
Package			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			<ul style="list-style-type: none"> • 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
Electrical Characteristics			T.B.D.

Pin Assignment



LQFP080-P-1414A *Lead-free

Support Tool

<div><div></div><div></div><div></div></div> <div>In-circuit Emulator</div>	PX-ICE-103S52	
<div><div></div><div></div><div></div></div> <div>On board Debugger</div>	PX-ODB103S-DO	
<div><div></div><div></div><div></div></div> <div>Flash Memory Built-in Type</div>	Type	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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