□ MN187818, MN1871618

Туре			MN187818 , MN1871618				
ROM (×8-Bit)			8 K / 16 K				
RAM (×8-Bit)			1 536 / 768				
Minimum	Instruction Executio	n Time	With Main Clock operated With Sub-Clock operated	1/8 dividing 1.0 μs (at 3.3 V to 5.5 V, 8 MHz) 122 μs (at 2.2 V to 5.5 V, 32.768 kHz)			
Interrupts				ternal 1 • Timer 0 • Timer 1 • Timer 2 stop • Timer 3 • Serial 0 mer 2			
Timer Counter			Timer Counter 0 : 8-Bit × 1 (Timer Output, Event Count, Pulse Width Measurement) Clock Source 1/1, 1/4, 1/16, 1/64 of External Clock Input, 1/1, 1/4, 1/16, 1/64 of System Clock Interrupt Source . Overflow of Timer Counter 0				
			Timer Counter 1 : 16-Bit × 1 Clock Source Interrupt Source	(Event Count, Pulse Width Measurement) External Clock Input, System Clock, OSC Oscillation Clock Pulse Width Measurement finished or Overflow of Timer Counter 1			
			Clock Source Interrupt Source	(Input Capture, Synchronous Serial Clock Generator, Pulse Width Measurement) 1/1 to 1/16 of External Clock Input, 1/1 to 1/16 of OSC Oscillation Clock, 1/1 to 1/16 of System Clock Overflow of Timer Counter 2, Pulse Width Measurement finish			
			Timer Counter 3 : 8-Bit × 1 Clock Source Interrupt Source Watchdog	(Clock function, Time Base) 1/4096 of System Clock, 1/128 of XI Oscillation Clock 1/1, 1/2, 1/4, 1/8 of Timer Counter 3			
Serial Interface			Clock Source	onous Type) (Transmission/Reception of variable bit length, Transfer direction of MSB/LSB selectable, Clock Polarity selectable, Start Condition function) 1/1, 1/8, 1/16 of System Clock, 1/2 of Timer Counter 2, SBTO Pin Input, P20 Pin Input nous Type) (Transmissio/Reception of variable bit length, MSB/LSB selectable, Start Condition function			
			Clock Source Connectable Serial 0	1/1, 1/8, 1/16 of System Clock, 1/2 of Timer Counter 2, SBT1 Pin Input + Serial 1			
■ I/O Pins	I/O	54	• Common use 11 • Spec	ified pull-up Resistor available 17 (Software Programmable)			
	Input	2	Common use				
	Output	3	_				
Special Ports			Buzzer Output, Remote Cont	rol Transmission/Reception			
Notes			Carrier Generator Circuit for Remote Controller built-in, Remote Controller Reception Amp built-in, Learning function of Remote Control				
Package			QFP064-P-1414				

Electrical Characteristics

Supply Current

Parameter	Symbol	Condition	mia	Limit	max	Unit
Operating Supply Current	IDD1	fosc = 8 MHz	1		20	mA
Operating Supply Current	IDD2	fosc = 32 kHz, VDD = 3 V			200	μА
Comply Compant at CTOD	IDD3	VDD = 3 V			10	^
Supply Current at STOP	IDD4	VDD = 2 V			3	μΑ

 $(Ta = -20 \, ^{\circ}C \, to + 70 \, ^{\circ}C, \, VDD = 5.0 \, V, \, VSS = 0 \, V)$

Support Tool

In-Circuit Emulator PX-ICE1870 / 80 + PX-PRB1873218

Piggyback

Use EP187818 (EP1873218) as piggy in OFP064-P-1818 package

Pin Assignment



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