

MN101C273

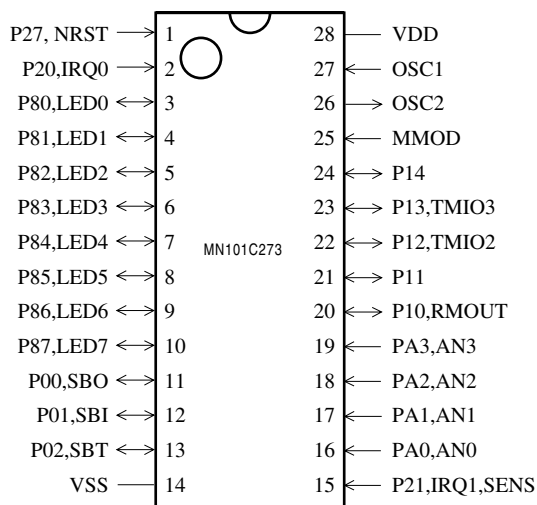
Type		MN101C273	
ROM (x8-bit)		4 K	
RAM (x8-bit)		0.5 K	
Package		SDIP028-P-0400	
Minimum Instruction Execution Time		0.25 μs (at 2.7 V to 5.5 V, 8.39 MHz)	
		1.00 μs (at 2.0 V to 5.5 V, 2 MHz)*	
* The lower limit for operation guarantee for EPROM built-in type is 2.7 V.			
Interrupts		• RESET • Watchdog • External 0 • External 1 • Timer 2 • Timer 3 • Serial 0 • A/D conversion finish	
Timer Counter		Timer counter 2 : 8-bit × 1 (square-wave/8-bit PWM output, event count, synchronous output event)	
		Clock source 1/1, 1/4 of system clock frequency; external clock input	
		Interrupt source coincidence with compare register 2	
		Timer counter 3 : 8-bit × 1	
		(square-wave output, event count, generation of remote control carrier, serial 0 baud rate timer)	
		Clock source 1/4, 1/16 of system clock frequency; 1/1 of OSC oscillation clock frequency; external clock input	
		Interrupt source coincidence with compare register 3	
Timer counter 2, 3 can be cascade-connected.			
		Watchdog timer	
		Interrupt source 1/1048576 of system clock frequency	
Serial Interface		Serial 0 : synchronous type/simple UART (half-duplex) × 1	
		Clock source 1/2, 1/4, 1/16 of system clock frequency; 1/2 of timer counter 3 frequency	
I/O Pins	I/O	16	• Common use • Specified pull-up resistor available • Input/output selectable (bit unit)
	Input	6	• Common use • Specified pull-up resistor available
A/D Inputs		10-bit × 4-ch. (with S/H)	
Special Ports		Remote control carrier signal output, high-current drive port	

Electrical Characteristics

Supply current

Parameter	Symbol	Condition	Limit			Unit
			min	typ	max	
Operating supply current	IDD1	fosc = 8.39 MHz, VDD = 5 V			25	mA
Supply current at HALT	IDD2	fosc = 8.39 MHz, VDD = 5 V			3	mA
Supply current at STOP	IDD3	VDD = 5 V, Ta = 25°C			2	μ A
		VDD = 5 V, Ta = -40°C to +85°C			20	μ A

Pin Assignment



SDIP028-P-0400

Support Tool

In-circuit Emulator	PX-ICE101C/D+PX-PRB101C27-28SDIP	
EPROM Built-in Type	Type	MN101CP273
	ROM (× 8-bit)	4 K
	RAM (× 8-bit)	0.5 K
	Minimum instruction execution time	0.238 μs (at 2.7 V to 5.5 V, 8.39 MHz)
	Package	SDIP028-P-0400