MN101C39C

Туре	MN101C39C	MN101CP39C				
Internal ROM type	Mask ROM	EPROM				
ROM (byte)	48K					
RAM (byte)	2К					
Package (Lead-free)	TQFP080-P-1212D					
Minimum Instruction Execution Time	0.1 μs (at 4.5 V to 5.5 V, 20 MHz) 0.25 μs (at 2.7 V to 5.5 V, 8 MHz) 125 μs (at 2.0 V to 5.5 V, 32 kHz)* * The lower limit for operation guarantee for EPROM built-in type is 2.3 V.					

Interrupts

RESET, Watchdog, External 0 to 4, Timer 2 to 5, Time base, Serial 0, Serial 1, A/D conversion finish

Timer Counter

Timer counter 3 : 8-bit \times 1

Timer counter 2, 3 can be cascade-connected.

Time base timer (one-minute count setting, independently operable 8-bit timer counter 5)

Clock source...... 1/4 of system clock frequency; 1/1, 1/8192 of OSC oscillation clock frequency; 1/1, 1/8192 of XI oscillation clock frequency

Interrupt source coincidence with compare register 5; 1/8192 prescaler overflow

Watchdog timer

Interrupt source 1/65536, 1/262144, 1/1048576 of system clock frequency (ROM option)

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

Serial 1 : synchronous type \times 1

I/O Pins

I/O	49	Common use, Specified pull-up resistor available, Input/output selectable (bit unit) Specified pull-down resistor partially selectable
Input	12	Common use, Specified pull-up resistor available, Specified pull-down resistor partially selectable

A/D converter

10-bit \times 8-ch. (with S/H)

Display control function

LCD

28 segments \times 4 commons (static, 1/2, 1/3, or 1/4 duty)

Special Ports

Buzzer output, remote control carrier signal output, high-current drive port

Panasonic

Electrical Charactreistics (Supply current)

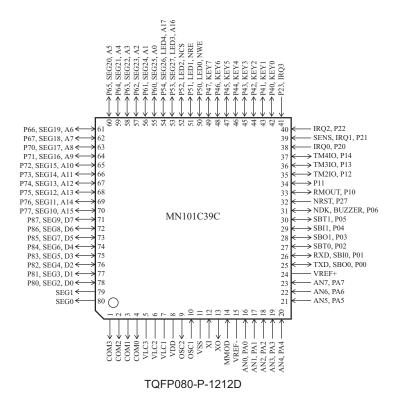
Parameter	Symbol	Condition	Limit			Unit
Farameter		Condition		typ	max	Unit
Operating supply current	IDD1	fosc = 8 MHz, $VDD = 5 V$		8	25	mA
	IDD2	fx = 32 kHz, $VDD = 3 V$		18	100	μΑ
Supply current at HALT	IDD3	$fx = 32 \text{ kHz}$, $VDD = 3 \text{ V}$, $Ta = 25^{\circ}C$		3	8	μΑ
	IDD4	fx = 32 kHz , VDD = 3 V , Ta = -40° C to $+85^{\circ}$ C			25	μΑ
Supply current at STOP	IDD5	$VDD = 5 V$, $Ta = 25^{\circ}C$			1	μΑ
		$VDD = 5 V$, $Ta = -40^{\circ}C$ to $+85^{\circ}C$			20	μΑ

Development tools

In-circuit Emulator

PX-ICE101C/D+PX-PRB101C39-TQFP080-P-1212

Pin Assignment



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