MN101C94A

Туре	MN101C94A	MN101CF94D			
Internal ROM type	Mask ROM	FLASH			
ROM (byte)	32K	64K			
RAM (byte)	1K	2К			
Package (Lead-free)	QFP044-P-1010F				
Minimum Instruction Execution Time	0.10 μs (at 4.5 V to 5.5 V, 20 MHz) 0.238 μs (at 2.7 V to 5.5 V, 8.39 MHz) 0.477 μs (at 2.0 V to 5.5 V, 4.19 MHz)* * The lower limit for operation guarantee for flash memory built-in type is 2.5 V.				

Interrupts

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

Timer Counter

Timer counter 0, 1 can be cascade-connected.

Timer counter 3 : 8-bit \times 1

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; output of timer counter 3

I/O Pins

I/O	26	Common use : 17, Specified pull-up resistor available Input/output selectable (bit unit) : 26
Input	11	Common use, Specified pull-up resistor available

A/D converter

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

Special Ports

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

Panasonic

Electrical Charactreistics (Supply current)

Parameter	Symbol	Condition	Limit			Unit
			min	typ	max	Unit
Operating supply current	IDD1	fosc = 20 MHz, $VDD = 5 V$		15	40	mA
	IDD2	fosc = 8.39 MHz , VDD = 5 V		6	18	mA
Supply current at HALT	IDD3	$fosc = 8.39 \text{ MHz}$, $VDD = 5 \text{ V}$, $Ta = 25^{\circ}C$		1.2	3	mA
Supply current at STOP	IDD4	$VDD = 5 V$, $Ta = 25^{\circ}C$			2	μΑ
	IDD5	$VDD = 5 V$, $Ta = -40^{\circ}C$ to $+85^{\circ}C$			20 (50)	μΑ

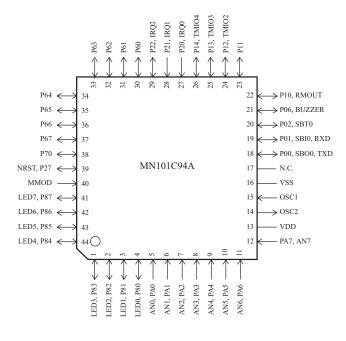
(): Flash memory built-in type

Development tools

In-circuit Emulator

PX-ICE101C/D+PX-PRB101C94-QFP044-P-1010

Pin Assignment



QFP044-P-1010F

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