MN101C73 Series

Туре	MN101C73A	MN101CF73A		
Internal ROM type	Mask ROM	FLASH		
ROM (byte)	32K			
RAM (byte)	1.5K	2K		
Package (Lead-free)	LQFP064-P-1414, TQFP064-P-1010C			
Minimum Instruction Execution Time	0.1 μs (at 3.0 V to 3.6 V, 10 MHz) 0.235 μs (at 1.8 V to 3.6 V, 4.25 MHz)* 62.5 μs (at 1.8 V to 3.6 V, 32 kHz)* *: The lower limit for operation guarantee for flash memory built-in type is 2.2 V.			

■ Interrupts

RESET. Watchdog. External 0 to 5. External 6 (key interrupt dedicated). Timer 0 to 3. Timer 6. Timer 7 (2 systems). Timer 8 (2 systems). Time base. Serial 0 (2 systems). Serial 1 (2 systems). Serial 3. A/D conversion finish

■ Timer Counter

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Х_	hıt	timer	v	4

11mer 0	Square-wave/8-bit PWM output. Event count. Remote control carrier output. Simple pulse width measurement.
	Added pulse (2-bit) type PWM output. Square-wave/PWM output to large current terminal P50 possible
Timer 1	Square-wave output. Event count. Synchronous output event
Timer 2	Square-wave output. Added pulse (2-bit) type PWM output. PWM output. Serial transfer clock output. Event
	count. Synchronous output event. Simple pulse width measurement. Square-wave/PWM output to large current
	terminal P51 possible
Timer 3	Square-wave output. Event count. Serial transfer clock output

Timer 68-bit freerun timer

Timer 0, 1 can be cascade-connected

Timer 2, 3 can be cascade-connected

16-bit timer \times 2

Timer 7, 8 can be cascade-connected: Square-wave output, PWM is possible as a 32-bit timer

Time base timer: One-minute count setting

Watchdog timer × 1

■ Serial interface

Synchronous type/UART (full-duplex) \times 2: Serial 0, 1 Synchronous type/Single-master I²C \times 1: Serial 3

■ I/O Pins I/O

55: Common use. Specified pull-up resistor available. Input/output selectable (bit unit)

■ A/D converter

10-bit × 12 channels (with S/H)

■ Display control function

LCD: 32 segments \times 4 commons (Static, 1/2, 1/3, or 1/4 duty) Usable if VLCD \leq VDD

LCD power shunt resistance contained

■ Special Ports

Buzzer output. Inverted buzzer output. Remote control carrier output. High-current drive port

■ ROM Correction

Correcting address designation: Up to 3 addresses possible

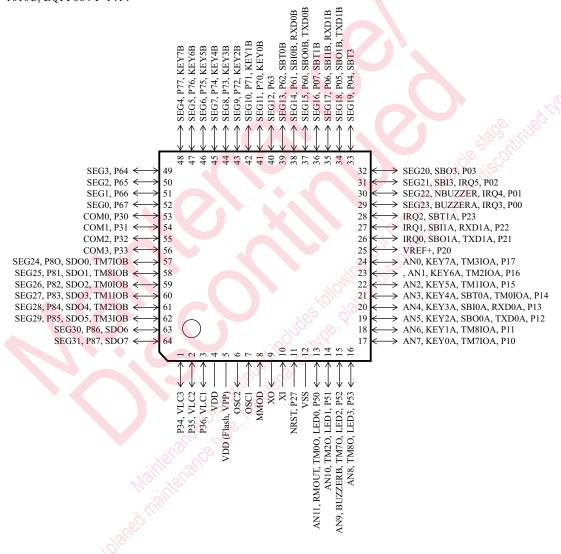
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■ Electrical Charactreistics (Supply current)

Parameter	Symbol	Condition	Limit			Unit
			min	typ	max	Uill
Operating supply current	IDD1	fosc = 4 MHz. VDD = 3 V		1	1.8	mA
	IDD2	fx = 32 kHz. VDD = 3 V		4	15	μA
Supply current at HALT	IDD3	$fx = 32 \text{ kHz. VDD} = 3 \text{ V. Ta} = 25 ^{\circ}\text{C}$		2	5	μA
	IDD4	fx = 32 kHz. VDD = 3 V. Ta = -40 °C to +85 °C			10	μА
Supply current at STOP	IDD5	VDD = 3 V. Ta = 25 °C			2	μA
	IDD6	VDD = 3 V. Ta = -40 °C to +85 °C			8	μА

■ Pin Assignment

TQFP064-P-1010C, LQFP064-P-1414



MAD00047GEM Panasonic

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