# □ MN101C35D

Туре	MN101C35D				
ROM (×8-bit)	64 K				
RAM (×8-bit)	2 K				
Package	QFP100-P-1818B *Lead-free				
Minimum Instruction Execution Time	0.25 μs (at 2.7 V to 5.5 V, 8 MHz) 125 μs (at 2.2 V to 5.5 V, 32 kHz)* * The lower limit for operation guarantee for EPROM built-in type is 2.7 V.				
Interrupts	<ul> <li>• RESET • Watchdog • External 0 • External 1 • External 2 • External 3 • External 4 • Timer 0</li> <li>• Timer 1 • Timer 2 • Timer 3 • Timer 4 • Timer 5 • Time base • Serial 0 • Serial 1 • Serial 2</li> <li>• Automatic transfer finish • A/D conversion finish • Key scan</li> </ul>				
Timer Counter	Timer counter 0 : 8-bit × 1 (square-wave/8-bit PWM output, event count, generation of remote control carrier) Clock source				
	Timer counter 1 : 8-bit × 1 (square-wave output, event count, synchronous output event) Clock source				
•	Timer counter 0, 1 can be cascade-connected. Timer counter 2 : 8-bit × 1 (square-wave/8-bit PWM output, event count, synchronous output event) Clock source				
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Timer counter 3 : 8-bit × 1 (square-wave output, event count, generation of remote control carrier, serial 0 baud rate timer) Clock source				
	Timer counter 2, 3 can be cascade-connected. Timer counter 4 : 16-bit × 1 (square-wave/16-bit PWM output, event count, synchronous output event, input capture) Clock source 1/4, 1/16 of system clock frequency; 1/1 of OSC oscillation clock frequency; external clock input Interrupt source				
	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				
Serial Interface	Serial 0 : synchronous type/simple UART (half-duplex) × 1 Clock source				
	Serial 1 : synchronous type × 1 Clock source				
	Serial 2 : synchronous type/simple I <sup>2</sup> C × 1 Clock source				
	Panasonic MAD00024D				

#### MN101C35D 🗆

I/O Pins	I/O	36	• Common use : 28 • Specified pull-up resistor available • Input/output selectable (bit uni	t)	
	High Voltage	53	• Output: 29 • I/O: 24 • P-ch open drain (breakdown voltage –30V): FL drive: 53 • Specified pull-down resistor mask option: 35		
A/D Inputs		8-bit >	< 8-ch. (with S/H)		
FL	(35 to 43) segments × (18 to 10) digits				
Special Ports		Buzze	r output, remote control carrier signal output		
<b>Electrical Char</b>	acteristics				
Supply current					
Parameter		Symb	ol Condition Limit		Unit
Falalle	161	Symb	min typ	max	UIII
perating supply	current	IDD1	fosc = 8 MHz, VDD = 5 V	25	mA
perating suppry	current	IDD2	2 fx = 32 kHz, VDD = 3 V	120	μA
Supply current at	HALT	IDD3	$f_X = 32 \text{ kHz}, \text{ VDD} = 3 \text{ V}$	10	μA
upply current at	STOP	IDD4	VDD = 3 V	10	μA
Pin Assignmen	it	~	MDD = 3.4       Projesti (1)       Projesti (1) <th></th> <th></th>		

QFP100-P-1818B \*Lead-free

### Support Tool

In-circuit Emulator

#### PX-ICE101C / D + PX-PRB101C35-QFP100-P-1818B

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		125 μs (at 2.7 V to 5.5 V, 32 kHz)
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