

# MN1873265

<b>Type</b>	<b>MN1873265</b>		
<b>ROM (x8-bit)</b>	32K		
<b>RAM (x8-bit)</b>	480		
<b>Minimum Instruction Execution Time</b>	2/3 dividing 0.5 $\mu$ s (at 4.5 to 5.5V, 12MHz)		
<b>Interrupts</b>	<ul style="list-style-type: none"> <li>• RESET • External 0 • External 1 • Timer 0 • Timer 1 • Timer 2 • Remote Control • Line 21</li> <li>• COSD</li> </ul>		
<b>Timer Counter</b>	<p><b>Timer Counter 0 : 8-bit x 1</b>            Clock Source .....1/1, 1/4, 1/16, 1/64 of System Clock            Interrupt Source .....Overflow of Timer Counter 0</p> <p><b>Timer Counter 1 : 8-bit x 1</b>            Clock Source .....1/2, 1/16, 1/64, 1/256, 1/512 of System Clock            Interrupt Source .....Overflow of Timer Counter 1</p> <p><b>Time Base Counter</b>            Clock Source .....1/4096 of System Clock            Interrupt Source .....1/1, 1/2, 1/4, 1/8 of Timer Counter 2</p> <p><b>Watchdog</b></p>		
<b>I/O Pins</b>	<b>I/O</b>	<b>21</b>	• Common use : 3
	<b>Input</b>	<b>1</b>	• Common use : 1
	<b>High Voltage Output</b>	<b>7</b>	• Nch Open-drain (Breakdown Voltage 12V) : 7
<b>A/D Inputs</b>	5-bit x 7ch (without S/H)		
<b>PWM</b>	14-bit x 1ch (Repetition Cycle 16 $\mu$ s, at 12MHz), 8-bit x 8ch (Repetition Cycle 32 $\mu$ s, at 12MHz), 7-bit x 1ch (Repetition Cycle 16 $\mu$ s, at 12MHz)		
<b>Special Ports</b>	Remote Control Reception		
<b>CRTC</b>	Single OSD built-in (Caption OSD : 12 x 26, 176 letters)		
<b>Notes</b>	Remote Control Data Detection Circuit built-in		
<b>Package</b>	SDIP064-P-0750		

## Electrical Characteristics

### A/D Converter Characteristics

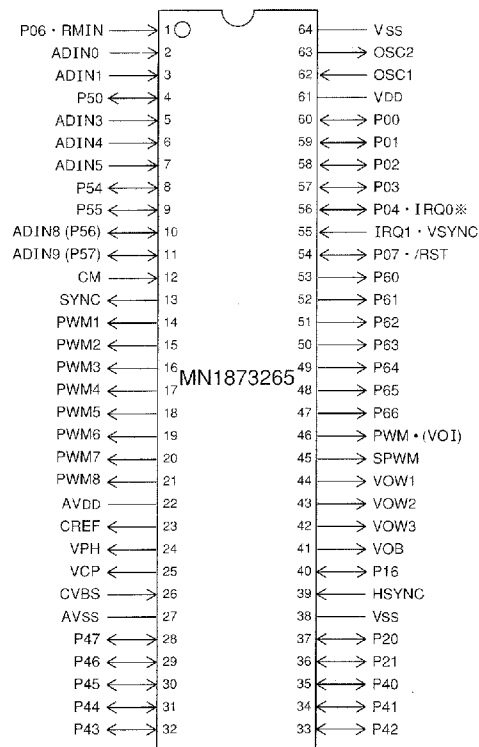
Parameter	Symbol	Condition	Limit			Unit
			min	typ	max	
A/D Conversion Time	TAD	fosc=12MHz	9			$\mu$ s
Analog Input Voltage	VAD		VSS		VDD	V

(Ta= -20 to +70°C, VDD=5.0V, VSS=0V)

## Support Tool

<b>In-Circuit Emulator</b>	PX-ICE1870 / 80 + PX-PRB1876476
<b>EPROM built-in Type</b>	Use <b>MN18P76476</b> in SDIP064-P-0750 package.

## Pin Assignment



SDIP064-P-0750