

MN1871274

Type	MN1871274		
ROM (x8-bit)	12K		
RAM (x8-bit)	256		
Minimum Instruction Execution Time	2/3 dividing 0.5 μ s (at 4.5 to 5.5V, 12MHz)		
Interrupts	• RESET • External 0 • External 1 • Timer 0 • Timer 1 • Timer 2 • Remote Control • MOSD		
Timer Counter	<p>Timer Counter 0 : 8-bit x 1 Clock Source1/1, 1/4, 1/16, 1/64 of System Clock Interrupt SourceOverflow of Timer Counter 0</p> <p>Timer Counter 1 : 8-bit x 1 Clock Source1/2, 1/16, 1/64, 1/256, 1/512 of System Clock Interrupt SourceOverflow of Timer Counter 1</p> <p>Time Base Counter Clock Source1/4096 of System Clock Interrupt Source1/1, 1/2, 1/4, 1/8, Timer Counter 2</p> <p>Watchdog Timer</p>		
I/O Pins	I/O	20	• Common use : 10 • General use : 10
	Input	1	• Common use : 1
A/D Inputs	5-bit x 10ch (without S/H)		
PWM	14-bit x 1ch, 8-bit x 5ch		
Special Ports	Hsync detection, Remote Control Reception		
CRTC	Single OSD built-in (Menu OSD : 12 x 18, 128 letters)		
Notes	Remote Control Data Detection Circuit built-in		
Package	SDIP042-P-0600		

Electrical Characteristics

A/D Converter Characteristics

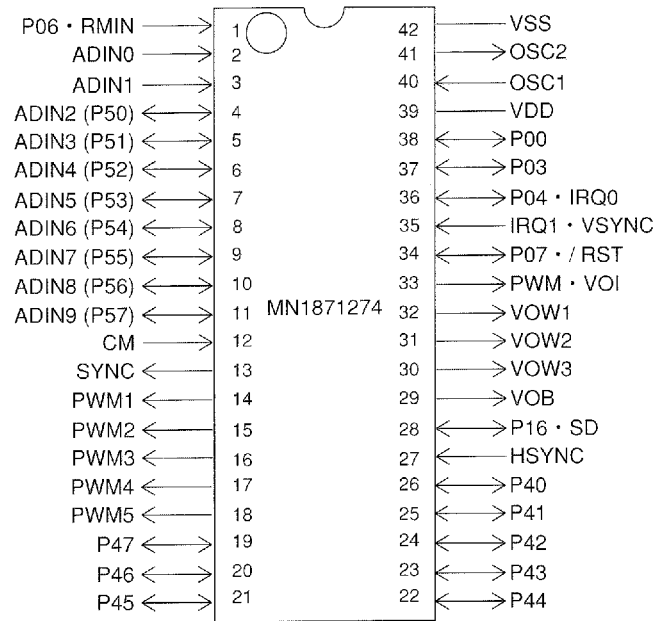
Parameter	Symbol	Condition	Limit			Unit
			min	typ	max	
A/D Conversion Absolute Error	TAD	fosc=12MHz	9			μ s
Analog Input Voltage	VAD		VSS		VDD	V

(Ta= -20 to +70°C, VDD=5.0V, VSS=0V)

Support Tool

In-Circuit Emulator	PX-ICE1870/80+PX-PRB1876476
EPROM built-in Type	Use MN18P76476 with converting P-board from SDIP064-P-0750 to SDIP042-P-0600. Use MN18P73284 (under development).

Pin Assignment



SDIP042-P-0600