

MN1873284

Type		MN1873284 (under development)	
ROM (x8-bit)		32K	
RAM (x8-bit)		640	
Minimum Instruction Execution Time		2/3 dividing 0.5µs (at 4.5 to 5.5V, 12MHz)	
Interrupts		<ul style="list-style-type: none"> • RESET • External 0 • External 1 • Timer 0 • Timer 1 • Timer 2 • I²C • 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 of Timer Counter 2</p> <p>Watchdog Timer</p>	
Serial Interface		I ² C x 1 (Two bus line system)	
I/O Pins	I/O	20	• Common use : 12 • General use : 8
	Input	1	• Common use : 1
A/D Inputs		5-bit x 10ch (without S/H)	
PWM		14-bit x 1ch, 8-bit x 5ch (All PWM are 5V ; not connectable to 12V systems)	
Special Ports		Hsync detection, Remote Control Reception	
CRTC		Single OSD built-in (Caption Menu : 12 x 18, 320 letters)	
Notes		Remote Control Data Detection Circuit built-in	
Package		SDIP042-P-0600	

Electrical Characteristics

A/D Converter Characteristics

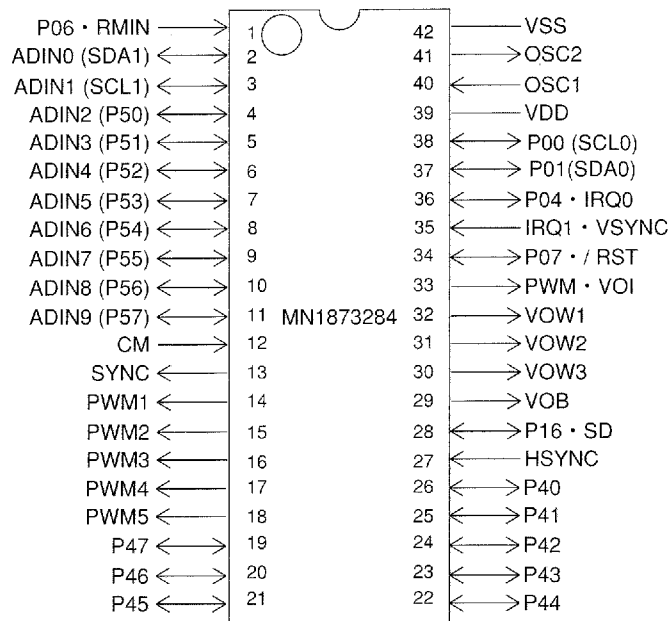
Parameter	Symbol	Condition	Limit			Unit
			min	typ	max	
A/D Conversion Time	TAD	fosc=12MHz	9			µs
Analog Input Voltage	VAD		VSS		VDD	V

(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