❑ MN1876476

Type	**MN1876476**
ROM (x8-bit)	64K
RAM (x8-bit)	928
Minimum Instruction Execution Time	**0.5µs at 2/3 frequency dividing (at 4.5 to 5.5V, 12MHz)**
Interrupts	• RESET • External 0 • External 1 • External 2 • External 3 • Timer 0 • Timer 1 • Timer 2 • I²C • Serial • Remote Control • Line 21 • MOSD • COSD

Timer Counter

Timer Counter 0 : 8-bit x 1

Clock Source	1/1, 1/4, 1/16, 1/64 of System Clock
Interrupt Source	Overflow of Timer Counter 0

Timer Counter 1 : 8-bit x 1

Clock Source . . .	1/2, 1/16, 1/64, 1/256, 1/512 of System Clock
Interrupt Source . .	Overflow of Timer Counter 1

Time Base Counter

Clock Source	1/4096 of System Clock
Interrupt Source	1/1, 1/2, 1/4, 1/8 of Timer Counter 2

Watchdog

Counter for Clock (Clock function)

AC Counter

Serial Interface

Serial 0 : 8-bit x 1 (Transmission/Reception of variable bit length, Transfer direction of MSB/LSB selectable, Clock Polarity selectable, Start Condition function)

Clock Source System Clock

I²C x 1 (Two bus line system)

I/O Pins	**I/O**	**36**	• Common use 28
	Input	**3**	• Common use 3
	High Voltage Output	**7**	• Nch Open-drain (Breakdown Voltage 12V) 7

A/D Inputs	5/7-bit x 10ch (without S/H)
PWM	14-bit x 1ch (Repetition Cycle 16µs, at 12MHz), 8-bit x 8ch (Repetition Cycle 32µs, at 12MHz), 7-bit x 1ch (Repetition Cycle 16µs, at 12MHz)
Special Ports	Hsync Detection, Remote Control Reception
CRTC	Double OSD built-in (Menu OSD 12 x 18, 512 letters, Caption OSD 12 x 26, 176 letters)
Notes	Remote Control Data Detection Circuit built-in
Package	SDIP064-P-0750

Electrical Characteristics

A/D Converter Characteristics

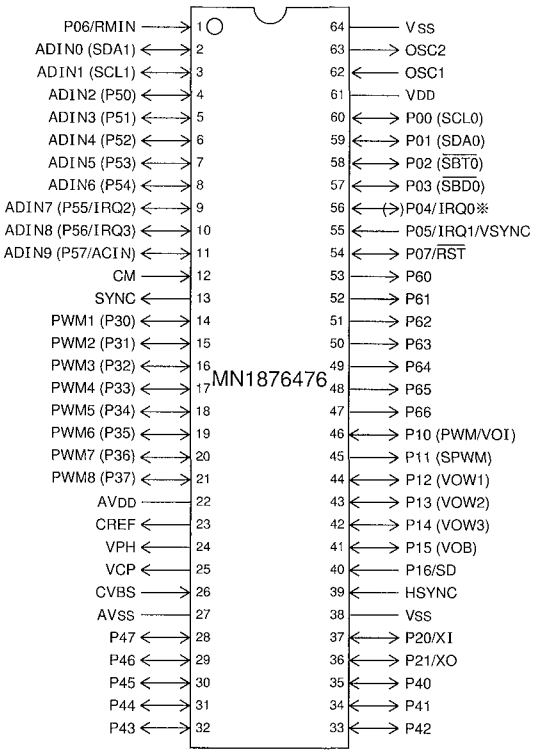
Parameter	Symbol	Condition	Limit min	Limit typ	Limit max	Unit
A/D Conversion Time	TAD	fosc=12MHz	9/12			µs
Analog Input Voltage	VAD		VSS		VDD	V

(Ta= –20 to +70°C, VDD=5.0V, VSS=0V)

Support Tool

In-Circuit Emulator	PX-ICE1870 / 80 + PX-PRB1876462, PX-PRB1876476 (under development)	
EPROM built-in Type	**Type**	MN18P76476
	ROM (x 8-bit)	64K
	RAM (x 8-bit)	928
	Minimum Instruction Execution Time	0 5µs (at 4 5 to 5 5V, 12MHz)
	Package	SDIP064-P-0750

Pin Assignment



SDIP064-P-0750

※ P04 • IRQ0 pin

TYPE A	Stand-by function is availabe	Input pin
TYPE B	Stand-by function is not available	I/O pin