# **□ MN1874876**

Type			MN1874876		
ROM (×8-Bit)  RAM (×8-Bit)			48 K		
			928		
Minimum	Instruction Execution Tin	ne	0.5 μs at 2/3 frequency dividing (at 4.5 V to 5.5 V, 12 MHz)		
Interrupts			• RESET • External 0 • External 1 • External 2 • External 3 • Timer 0 • Timer 1 • Timer 2 • I <sup>2</sup> C • Serial • Remote Control • Line 21 • MOSD • COSD		
Timer Co	unter		Timer Counter 0 : 8-Bit × 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 × 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 × 1 (Transmission/Reception of variable bit length, Transfer direction of MSB/LSB selectable, Clock Polarity selectable, Start Condition function)  Clock Source System Clock		
I/O Pins	1/0	36	I <sup>2</sup> C × 1 (Two bus line system)  • Common use 28		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Input	3	• Common use 3		
	High Voltage Output	7	Nch Open-Drain (Breakdown Voltage 12 V) 7		
A/D inputs			5/7-Bit × 10ch (without S/H)		
PWM		201	14-Bit $\times$ 1ch (Repetition Cycle 16 $\mu$ s, at 12 MHz), 8-Bit $\times$ 8ch (Repetition Cycle 32 $\mu$ s, at 12 MHz), 7-Bit $\times$ 1ch (Repetition Cycle 16 $\mu$ s, at 12 MHz)		
Special Ports		3	Hsync Detection, Remote Control Reception		
CRTC			Double OSD built-in (Menu OSD 12 × 18256 letters, Caption OSD 12 × 26176 letters)		
Notes			Remote Control Data Detection Circuit built-in		
Package			SDIP064-P-0750		

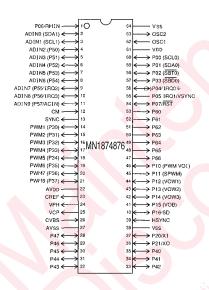
#### A/D Converter Characteristics

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

#### **Support Tool**

In-Circuit Emulator	PX-ICE1870 / 80 + PX-PRB1876476		
EPROM built-in Type	Туре	MN18P76476	
	ROM (× 8-Bit)	64 K	
	RAM (× 8-Bit)	928	
	Minimum Instruction Execution Time	0 5 μs (at 4.5 V to 5 5 V, 12 MHz)	
	Package	SDIP064-P-0750	

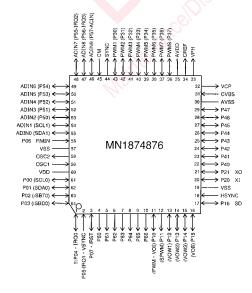
#### Pin Assignment



#### %P04 • IRQ0 pin

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

#### 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

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