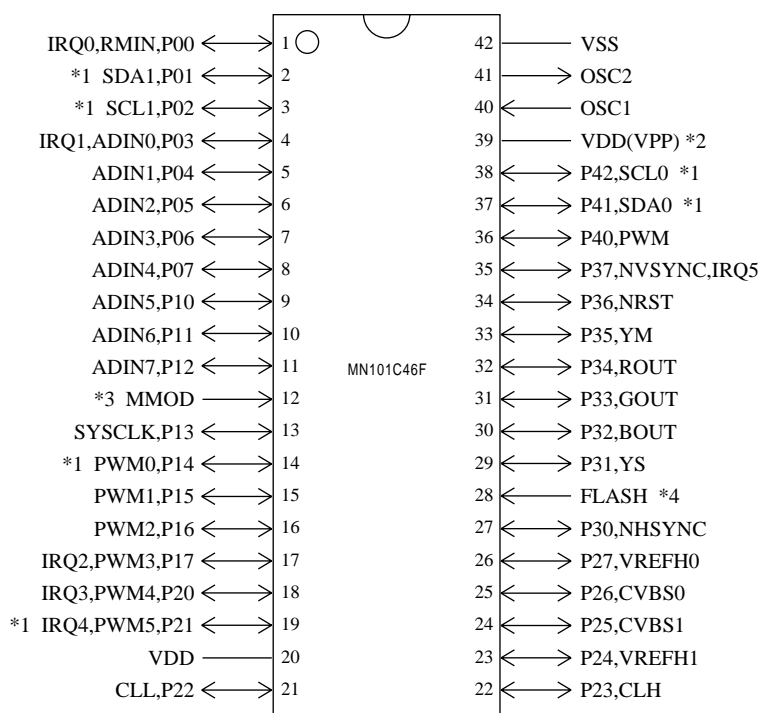


# **MN101C46F**

■ <b>Type</b>			MN101C46F		
■ <b>ROM (×8-bit)</b>			96 K		
■ <b>RAM (×8-bit)</b>			3 K		
■ <b>Package (Conventional Package)</b>			SDIP042-P-0600C *Lead-free (SDIP042-P-0600)		
■ <b>Minimum Instruction Execution Time</b>			279 ns (at 3.0 V to 3.6 V, 14.32 MHz)		
■ <b>Interrupts</b>			External (6 lines) Internal (12 lines) : Timer × 3, A/D, OSD, I <sup>2</sup> C, Caption × 4, Remote control, Watchdog		
■ <b>Timer Counter</b>			8-bit timer × 3 Watchdog timer: system clock fs 1/2 <sup>16</sup> , 1/2 <sup>18</sup> , 1/2 <sup>20</sup> triple selection		
■ <b>Serial Interface</b>			I <sup>2</sup> C × 1: for multimaster mode, bus line (output) has 2 systems		
■ <b>Caption</b>			• Built-in sync separator × 2		
■ <b>I/O Pins</b>	<b>I/O</b>	35	• Common use		
■ <b>A/D Inputs</b>			5-bit × 8-ch. (with S/H)		
■ <b>PWM</b>			8-bit × 6-ch. , 14-bit × 1-ch.		
■ <b>Special Ports</b>			Remote control reception		
■ <b>CRTC</b>			1-layer display (graphics, characters)		
■ <b>Notes</b>			Remote control input discriminant circuit built-in		

## Pin Assignment

( ) : Conventional Package



SDIP042-P-0600C \*Lead-free

(SDIP042-P-0600)

\*1: 5 V dielectric Nch open drain output pin

\*2: MN101C46F (VDD), MN101CF46F (VPP)

\*3: MMOD = H (fixed) (Set the test mode pin to the normal mode.)

\*4: FLASH = L (fixed) (Set the flash mode pin to the normal mode.)

## Support Tool

<b>In-circuit Emulator</b>	PX-ICE101C/D+PX-PRB101C46-SDIP042-P-0600-M	
<b>EPROM Built-in Type</b>	Type	MN101CF46F [ES (Engineering Sample) available]
	ROM (× 8-bit)	96 K
	RAM (× 8-bit)	3 K
	Minimum instruction execution time	279 ns (at 3.0 V to 3.6 V, 14.32 MHz)
	Package	SDIP042-P-0600C *Lead-free
	(Conventional Package)	(SDIP042-P-0600)

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