

MN155201

Type		MN155201	
ROM (x8-bit)		2K	
RAM (x4-bit)		128	
Number of Instructions		98	
Minimum Instruction Execution Time		1.0μs (at 4.5 to 5.5V, 8MHz) 4.0μs (at 2.0 to 5.5V, 2MHz)	
Interrupts		• RESET • External (Key Interrupt is available) • Timer • Serial	
Timer Counter		Timer Counter : 8-bit x 1 (Timer Output, Event Count) Clock Source1/4, 1/16, 1/64 of P20 Pin Input, 1/2, 1/8, 1/32, 1/128 of System Clock 1/4, 1/16, 1/64 of XI Oscillation Clock Interrupt SourceOverflow of Timer Counter Time Base Counter (Time Base) Clock SourceOSC Oscillation Clock Watchdog	
Serial Interface		Serial 0 : 8-bit x 1 (Synchronous Type) Clock SourceSystem Clock, SBT Pin Input	
I/O Pins	I/O	21	• Common use : 7 • LED Driver : 8 (15mA / 1.0V) • Specified pull-up Resistor available : 23 • Input/Output selectable : 23 (by -bit, Mask Option)
Zero-cross Inputs		1	
Notes		Crystal / CR Oscillation selectable	
Package		SDIP028-P-0400, SOP028-P-0375, QFH032-P-0707	

Electrical Characteristics

Supply Current

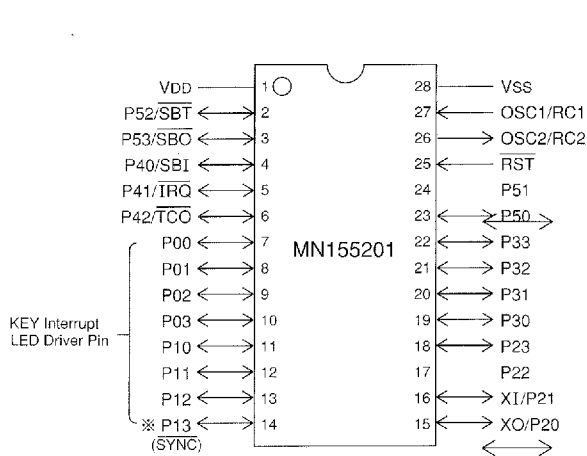
Parameter	Symbol	Condition	Limit			Unit
			min	typ	max	
Operating Supply Current	IDD1	fosc=8MHz			10	mA
	IDD2	fosc=2MHz			2.5	mA
Supply Current at STOP	IDD3	at no Auto-reset (Oscillation halt)			5	μA
Supply Current at HALT	IDD4	fosc=8MHz			3	mA

(Ta = -20 to +70°C, VDD = 5.0V, VSS = 0V)

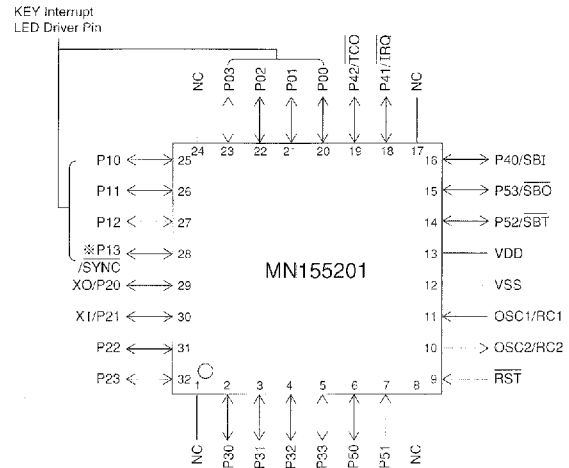
Support Tool

In-Circuit Emulator	PX-ICE1500 + PX-PRB155201
EPROM built-in Type	Use MN15P5402 in SDIP028-P-0400 or SOP028-P-0375 package.

Pin Assignment



SDIP028-P-0400/SOP028-P-0375



QFH032-P-0707

※ SYNC signal will be outputted from this pin during RESET.

After RESET, this pin will function as P13.

NC : Nothing connected with pin.