

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 Source 1/4, 1/16, 1/64 of P20 Pin Input, 1/2, 1/8, 1/32, 1/128 of System Clock Interrupt Source Overflow of Timer Counter Time Base Counter (Time Base) Clock Source OSC Oscillation Clock Watchdog		
Serial Interface	Serial 0 : 8-bit x 1 (Synchronous Type) Clock Source System Clock, <u>SBT</u> Pin Input		
I/O Pins	I/O	23	• 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		

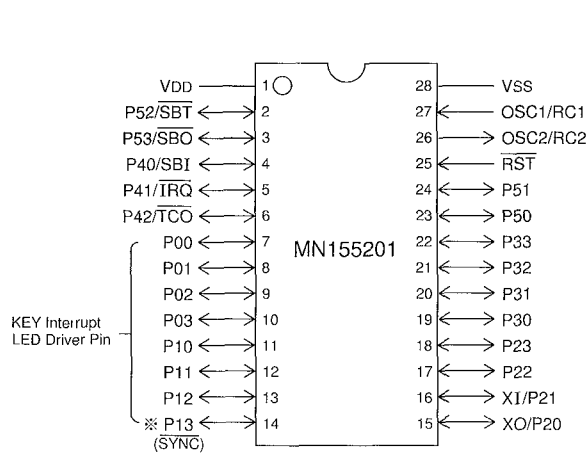
Electrical Characteristics						
Supply Current						
Parameter	Symbol	Condition	Limit			Unit
			min	typ	max	
Operating Supply Current	IDD1	fosc=8MHz			10	mA
	IDD2	fosc=2MHz			2.5	mA
Supply Current at STOP	IDD3	at no Auto-reset (Oscillation halt)			5	μA
Supply Current at HALT	IDD4	fosc=8MHz			3	mA

(Ta= -20 to +70°C, VDD=5.0V, VSS=0V)

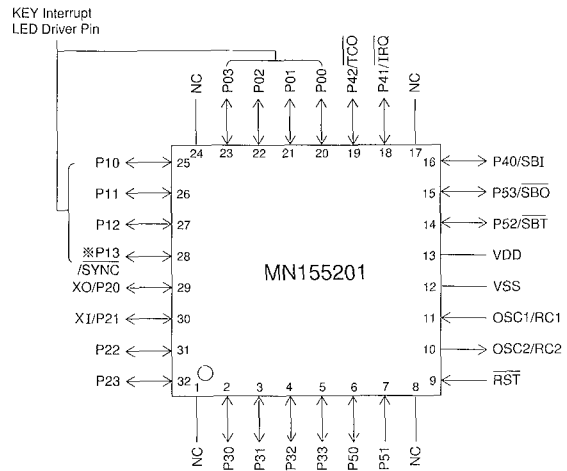
Support Tool

In-Circuit Emulator	PX-ICE1500 + PX-PRB155201		
EPROM built-in Type	Type	MN15P5402	
	ROM (x 8-bit)	4K	
	RAM (x 4-bit)	256	
	Minimum Instruction Execution Time	1.0μs (at 4.5 to 5.5V, 8MHz)	
	Package	SDIP028-P-0400, SOP028-P-0375	

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