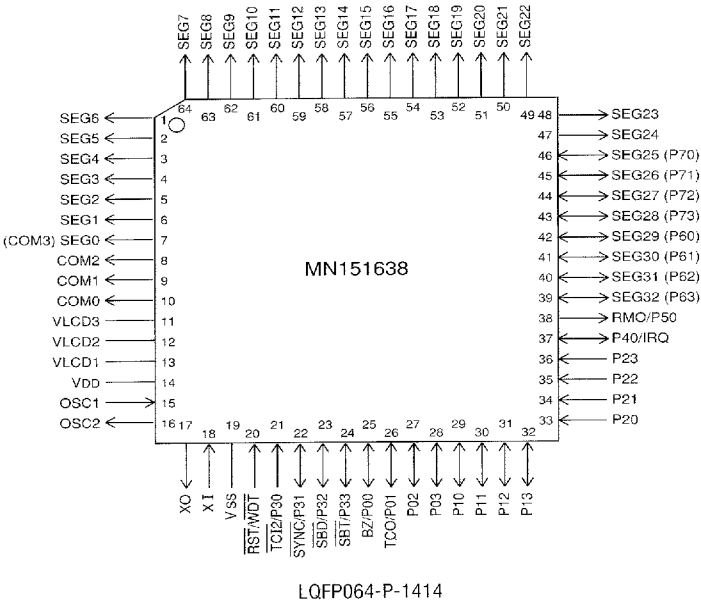


MN151638

■ Type		MN151638 [under development]	
■ ROM (x8-bit)		16K	
■ RAM (x4-bit)		512	
■ Number of Instructions		103	
■ Minimum Instruction Execution Time		At 1/4 frequency dividing	2μs (at 1.8 to 5.5V, 2MHz)
		At 1/4 frequency dividing	0.94μs (at 2.7 to 5.5V, 4.24MHz)
		At 1/8 frequency dividing	2μs (at 1.8 to 5.5V, 4MHz)
■ Interrupts		• RESET • External (Key Interrupt is available) • Timer • Serial	
■ Timer Counter		Timer Counter 1 : 8-bit x 1 (Event Count) Clock Source1/2, 1/8, 1/32, 1/128 of System Clock, XI Oscillation Clock Remote Control Carrier Output 1/1, 1/4, 1/16, 1/64 of Time Base 8Hz Dividing Signal Interrupt SourceOverflow of Timer Counter 1 Time Counter 2 : 8-bit x 1 Clock Source.....1/1, 1/16, 1/32, 1/64 of OSC Oscillation Clock, 1/1, 1/16, 1/32, 1/64 of XI Oscillation Clock, 1/1, 1/16, 1/32, 1/64 of TCI2 Pin Input Interrupt Source.....Overflow of Timer Counter 2 Possible cascade connection with timer counter 1 Time Base Counter Clock Source1/8 of XI Oscillation Clock Watchdog Timer	
■ Serial Interface		Serial : 8-bit x 1 (Synchronous Type) Clock SourceSBT Pin Input, System Clock	
■ I/O Pins	I/O	16	• Common use : 10 • Specified pull-up Resistor available : 16 (Software Programmable) • SEG output selectable : 8 (Software Programmable)
	Input	9	• Common use : 5 • Specified pull-up Resistor available : 9 (Software Programmable)
	Output	1	• Common use : 1
■ LCD		33 Segments • 2 Common • 1/2 Duty, 33 Segments • 3 Common • 1/3 Duty, 32 Segments • 4 Common • 1/4 Duty	
■ Special Ports		Buzzer Output, Remote Control Transmission	
■ Notes		Built-in Carrier Generator Circuit for Remote Controller	
■ Package		LQFP064-P-1414	
■ Electrical Characteristics			

Support Tool

In-Circuit Emulator	PX-ICE1500 + PX-PRB151638
EPROM built-in Type	Use MN151638 in LQFP064-P-1414 package.
Pin Assignment	



※ P30 to P33 : Input only when used as the port 3.
P60 to P63, P70 to P73 : I/O when used as the port 6 or 7.