□ MN15G0804

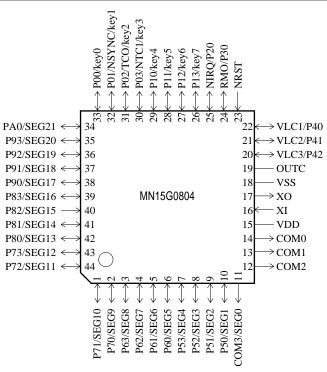
Туре	MN15G0804				
ROM (×8-bit)	8 K				
RAM (x4-bit) 512					
Package	QFP044-P-1010E *Pb free				
Number of Instructions	103				
Minimum Instruction Execution Time	0.96 ms at 1/4 frequency dividing (at 2.4 V to 5.5 V, 32 kHz) 1.91 ms at 1/8 frequency dividing (at 2.0 V to 5.5 V, 32 kHz)* * The lower limit for operation guarantee for EPROM built-in type is 2.3 V. VRsT when using auto reset.				
Interrupts	• RESET • IRQ1 • IRQ2 • IRQ3				
Timer Counter	Timer counter 0 : 8-bit × 1 (event count, pulse output) Clock source				
	Possible 16-bit cascade connection with timer counter 0 Timer counter 2 : 8-bit × 1 (event count, pulse output) Clock source				
	Time base timer Watchdog timer				
I/O Pins I/O	34 • Common use : 34 • Specified pull-up resistor available : 34 (software programmable) • Specified output architecture available : Nch open drain / push-pull : 34 (software programmable)				
LCD	21 segments × 4 commons (1/2, 1/3, 1/4 duty)				
Remote Control Output	t Duty and period are variable.				
Notes	Auto reset circuit selectable (mask option)				

Electrical Characteristics

Supply current

Devementer	Cumb al	Condition	Limit			Unit
Parameter	Symbol	Condition		typ	max	Unit
Operating supply current	IDD1	$f_{XI} = 32.768 \text{ kHz} (1/8 \text{ dividing})$ when using multiply circuit		3.0	5.0	mA
	IDD2	fx1 = 32.768 kHz (1/8 dividing)		10	40	μΑ
Supply current at HALT	IDD3	fxi = 32.768 kHz (1/8 dividing)		3	15	mA
Supply current at STOP	IDD6	fxi = 32.768 kHz		2.0	5.0	μΑ
	IDD7	fxı = Stop		1.0	3.5	μΑ
Auto reset power cunsumption	IDD9			3.0	6.0	μΑ
		(Ta = -10°	C to $+60^{\circ}$	C, VDD =	= 3.0 V, V	SS = 0V

Pin Assignment



QFP044-P-1010E *Pb free

Support Tool

In-circuit Emulator	PX-ICE1500 + PX-PRB15G1604-QFP044-P-1010E		
EPROM Built-in Type	Туре	MN15GP1604	
	ROM (× 8-bit)	16 K	
	RAM (× 4-bit)	512	
	Minimum instruction execution time	0.96 μs at 1/4 frequency dividing (at 2.4 V to 5.5 V, 32 kHz)	
		1.91 μs at 1/8 frequency dividing (at 2.3 V to 5.5 V, 32 kHz)	
	Package	QFP044-P-1010E *Pb free	

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