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Understanding Embedded - Microprocessors

Embedded microprocessors are specialized computing chips designed to perform specific tasks within an embedded system. Unlike general-purpose microprocessors found in personal computers, embedded microprocessors are tailored for dedicated functions within larger systems, offering optimized performance, efficiency, and reliability. These microprocessors are integral to the operation of countless electronic devices, providing the computational power necessary for controlling processes, handling data, and managing communications.

Applications of Embedded - Microprocessors

Embedded microprocessors are utilized across a broad spectrum of applications, making them indispensable in

Details	
Product Status	Obsolete
Core Processor	Z80180
Number of Cores/Bus Width	1 Core, 8-Bit
Speed	16MHz
Co-Processors/DSP	-
RAM Controllers	DRAM
Graphics Acceleration	No
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	5.0V
Operating Temperature	0°C ~ 70°C (TA)
Security Features	-
Package / Case	100-QFP
Supplier Device Package	100-QFP
Purchase URL	https://www.e-xfl.com/product-detail/zilog/z8018216fsg1838

TIMING DIAGRAMS (Continued)

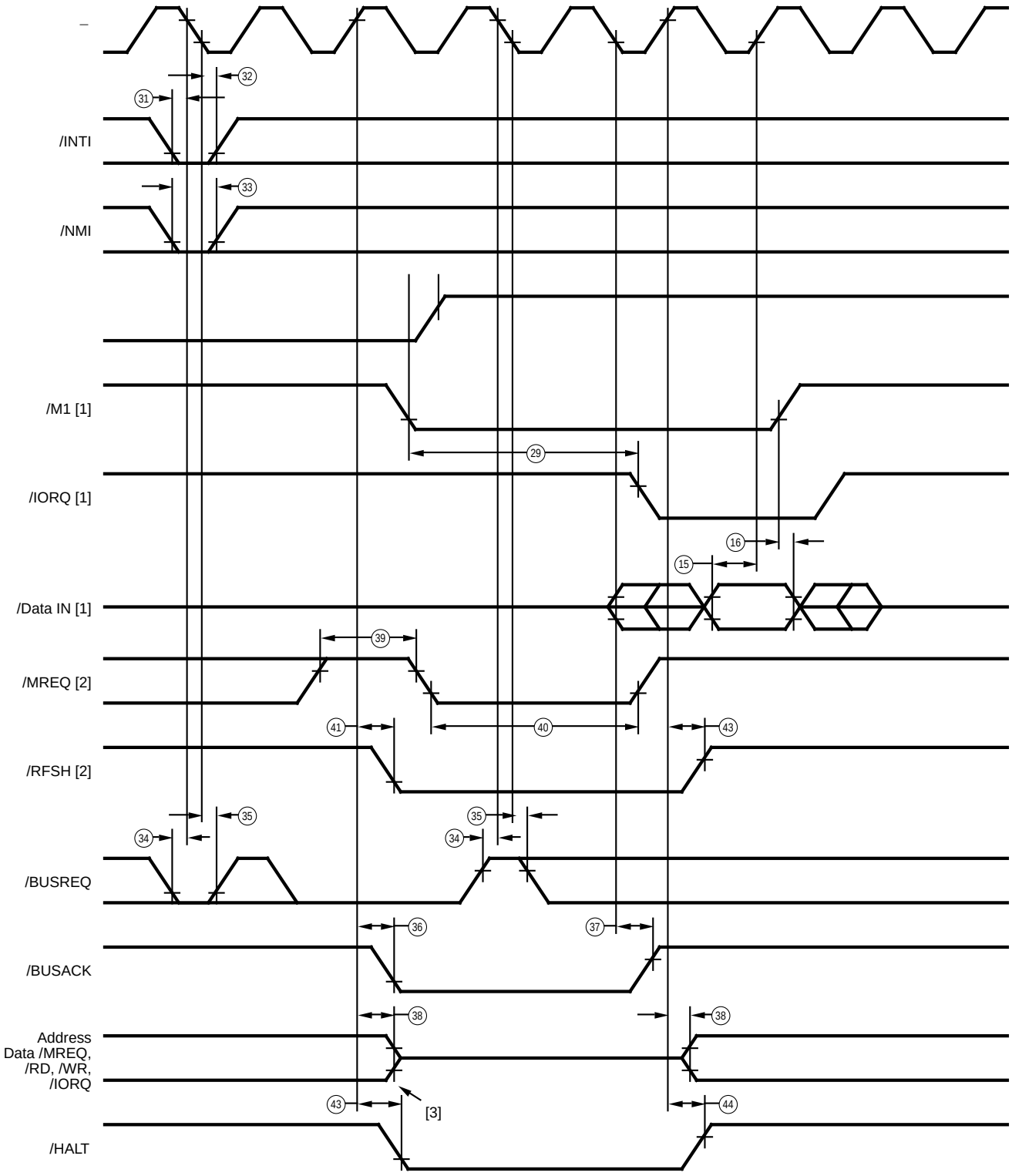

Figure 91. CPU Timing
(/INT0 Acknowledge Cycle, Refresh Cycle, BUS RELEASE Mode
HALT Mode, SLEEP Mode, SYSTEM STOP Mode)