

MU9C7201, MU9C7202 MU9C7203, MU9C7204 512 X 9, 1K X 9, 2K X 9, AND 4K X 9 CMOS FIFOs

PRODUCT INFORMATION

DISTINCTIVE CHARACTERISTICS

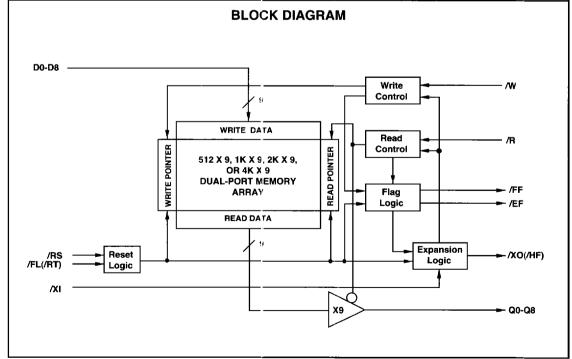
- · High-speed First-in, First-out buffers
- 50 ns Access, 65 ns Cycle times (15.4 MHz)
- 512 x 9, 1K X 9, 2K X 9, and 4K X 9 organizations
- Asynchronous/simultaneous operation on both Read and Write ports
- Expandable in depth and width with minimal external logic
- · Full, Half-full, Empty flags
- · Retransmit capability
- Industry-standard pinouts, packages (0.3-inch and 0.6-inch 28-pin PDIPs and 32-pin PLDCC)

GENERAL DESCRIPTION

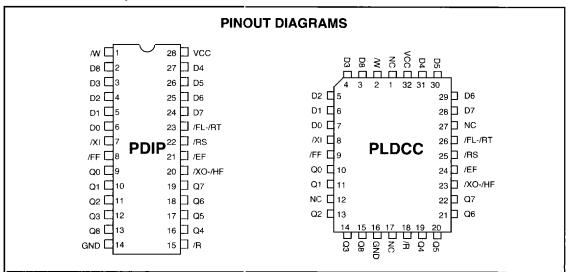
The MU9C7201-MU9C7204 are high-density CMOS Firs -in, First-out (FIFO) memories with capacities of 512, 1024, 2048, and 4096 nine-bit words, respectively. The nine-bit-word configuration facilitates passing parity information through the FIFOs. The depths of these FIFOs make them ideal for applications which need significant bandwidth elasticity, such as between systems that transfer data at significantly different data rates. Because no address lines are needed for FIFOs, these devices offer both upward and downward pin compatibility. Due to their architecture, these devices offer very high performance and simultaneous and asynchronous

operation of the Read and Write ports. These FIFOs are easily expanded in both width and depth with little or no external logic and without any degradation in performance compared to single-device operation. Each FIFO offers a flexible flag architecture with Full, Empty and Half-full flags.

MUSIC Semiconductors offers the MU9C7201-MU9C7204 in the industry-standard narrow-width (0.3 inches) and standard-width (0.6 inches) 28-pin DIP and 32-pin PLDCC package pin configurations. Operation is guaranteed over the commercial temperature range (0 - 70 °C).



MU9C7201, MU9C7202, MU9C7203, MU9C7204



ORDERING INFORMATION

PART NUMBER	SIZE	ACCESS TIME	PACKAGE	TEMPERATURE RANGE
MU9C7201-XXYC	512 X 9			0-70°C
MU9C7202-XXYC	1K X 9			0-70°C
MU9C7203-XXYC	2K X 9			0-70°C
MU9C7204-XXYC	4K X 9			0-70°C
XX = 50		50n ∋		
XX = 65		65n∋		
XX = 80		80n∋		
Y = P		28-PIN PDIP (0.6-inch)		
Y = S		28-PIN PDIP (0.3-inch)		
Y = E			32-PIN PLDCC	·

MUSIC Semiconductors®

USA Headquarters

MUSIC Semiconductors 1150 Academy Park Loop, Suite 202 Colorado Springs, CO 80910 USA

Tel: (1) 719-570-1550 Fax: (1) 719-570-1555

Tel within USA: (1) 800-933-1550

European Headquarters MUSIC Semiconductors Tor-instraat 28 PO Box 184 6470 ED Eygelshoven

The Netherlands

Tel. +31 45 467878 Fax +31 45 467822

Far East Headquarters

MUSIC Semiconductors Km. 22, East Service Road South Superhighway

Cupang, Muntinlupa, Metro Manila Philippines

Tel: +63-2-834-2156 Fax: +63-2-833-3959

MUSIC Semiconductors agent or distributor:

MUSIC Semiconductors reserves the right to make changes to its products and specifications at any time in order to improve on performance, manufacturability, or reliability. Information furnished by MUSIC is believed to be accurate, but no responsibility is assumed by MUSIC Semiconductors for the use of said information, nor for any infringements of patents or of other third-party rights which may result from said use. No license is granted by implication or otherwise under any patent or patent rights of any

© Copyright 1993, MUSIC Semiconductors