

MB98A5120-25/5130-25/5140-25 Mask ROM Memory Card

Mask Programmable Read Only Memory Card 4M/8M/16M-Byte

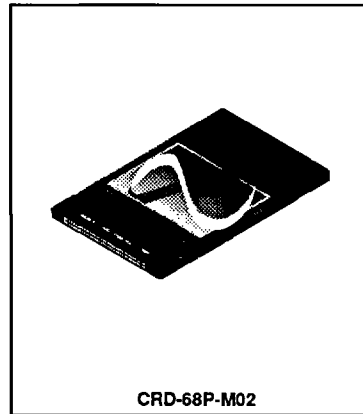
The Fujitsu MB98A5120-25, MB98A5130-25, and MB98A5140-25 are Mask Programmable Read Only Memory (Mask ROM) cards capable of storing and retrieving large amounts of data. Each Mask ROM card contains multiple MB834000A or MB838200 devices.

The Mask ROM memory circuits are housed in a credit-card size 68-pin package. Internal circuitry is protected by metal plates on the top and bottom of the card to help reduce chip damage from electrostatic discharge.

Fujitsu memory cards offer the unique ability to be organized in either an 8-bit or a 16-bit bus configuration by the user.

All cards offer advantages of portability and low-power, high speed operation.

- Card Dimension: 85.6 length x 54.0 width x 3.3 thickness (mm)
- Connector Type: 68-pin, two-piece (built-in 68-pin receptacle, two-row type)
- Complete static operation: No clock required
- TTL compatible inputs/outputs
- 3-state outputs
- Single +5.0 V $\pm 5\%$ power supply



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AVAILABLE ORGANIZATIONS

Part Number	Mounted Memory Device	Access Time	Memory Organization*
MB98A5120	MB834000A x 8 pcs	250 ns	4M x 8 bits 2M x 16 bits
MB98A5130	MB834000A x 16 pcs	250 ns	8M x 8 bits 4M x 16 bits
MB98A5140	MB838200 x 16 pcs	250 ns	16M x 8 bits 8M x 16 bits

*Configuration to be done by user.

ABSOLUTE MAXIMUM RATINGS (see Note)

Rating	Symbol	Value	Unit
Supply Voltage	V_{CC}	-0.3 to +7.0	V
Input Voltage	V_{IN}	-0.5 to $V_{CC} + 0.5$	V
Output Voltage	V_{IO}	-0.5 to $V_{CC} + 0.5$	V
Temperature under Bias	T_{BIAS}	-10 to +60	°C
Storage Temperature	T_{STG}	-30 to +70	°C

Note: Permanent device damage may occur if absolute maximum ratings are exceeded. Functional operation should be restricted to the conditions as detailed in the operation sections of this data sheet. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

This device contains circuitry to protect the inputs against damage due to high static voltages or electric fields. However, it is advised that normal precautions be taken to avoid application of any voltage higher than maximum rated voltages to this high impedance circuit.