

MM5203 Electrically Programmable 2048 Bit Read Only Memory (PROM)

REFERENCE TABLE

Code	Stock No.
MM5203Q	34852E

GENERAL DESCRIPTION

The MM5203 is a 2048-bit static read-only memory which is electrically programmable and uses silicon gate technology to achieve bipolar compatibility. The device is a non-volatile memory organized as a 256-8-bit words or 512-4-bit words. Programming of the memory contents is accomplished by storing a charge in a cell location by programming that location with a 50 volt pulse. Separate output supply lead is provided to reduce internal power dissipation in the output stage (V_{LL}).

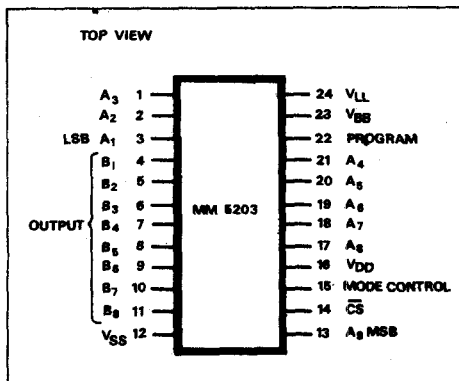
APPLICATIONS

Code conversion.
Random logic synthesis.
Table look-up.
Character generator.
Microprogramming.

ABSOLUTE MAXIMUM RATINGS

All input or output voltages with respect to V_{BA} except during programming	+3V to -20V
Power dissipation	1W
Operating temperature range	0°C to 70°C
Storage temperature range	-65°C to 125°C
Lead temperature (soldering 10 sec)	300°C

CONNECTION DIAGRAM



See outline drawing No 124 for dimensions.

FEATURES

Field programmable.
Bipolar compatibility. +5, -12V operation.
High speed operation. 1 μ s max access time.
Pin compatible with MM5213, mask programmable ROM.
Static operation. No clocks required.
Common data busing (TRI-STATE output).
'Q' quartz lid version erasable with short wave ultra-violet light (i.e. 253.7n.m.)
Chip select output control.
256 \times 8 or 512 \times 4 organization.

Note—Programming facilities available from ITT Electronic Services. For further details, contact one of the Semiconductor Internal Sales Engineers.

MANUFACTURER'S CURRENT LIST PRICES ARE ALWAYS CHARGED