

## PART NUMBER

**5483BFA-ROCV**

### Rochester Electronics

#### Manufactured Components

Rochester branded components are manufactured using either die/wafers purchased from the original suppliers or Rochester wafers recreated from the original IP. All re-creations are done with the approval of the Original Component Manufacturer. (OCM)

Parts are tested using original factory test programs or Rochester developed test solutions to guarantee product meets or exceeds the OCM data sheet.

### Quality Overview

- ISO-9001
- AS9120 certification
- Qualified Manufacturers List (QML) MIL-PRF-38535
  - Class Q Military
  - Class V Space Level

#### Qualified Suppliers List of Distributors (QSLD)

- Rochester is a critical supplier to DLA and meets all industry and DLA standards.

Rochester Electronics, LLC is committed to supplying products that satisfy customer expectations for quality and are equal to those originally supplied by industry manufacturers.

*The original manufacturer's datasheet accompanying this document reflects the performance and specifications of the Rochester manufactured version of this device. Rochester Electronics guarantees the performance of its semiconductor products to the original OCM specifications. 'Typical' values are for reference purposes only. Certain minimum or maximum ratings may be based on product characterization, design, simulation, or sample testing.*

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## MM5483 Liquid Crystal Display Driver

### General Description

The MM5483 is a monolithic integrated circuit utilizing CMOS metal-gate low-threshold enhancement mode devices. It is available in a 40-pin molded package. The chip can drive up to 31 segments of LCD and can be cascaded to increase this number. This chip is capable of driving a 4½-digit 7-segment display with minimal interface between the display and the data source.

The MM5483 stores the display data in latches after it is latched in, and holds the data until another load pulse is received.

### Features

- Serial data input
- Serial data output

- Wide power supply operation
- TTL compatibility
- 31 segment outputs
- Alphanumeric and bar graph capability
- Cascade capability

### Applications

- COPSTM or microprocessor displays
- Industrial control indicator
- Digital clock, thermometer, counter, voltmeter
- Instrumentation readouts
- Remote displays

### Block and Connection Diagrams

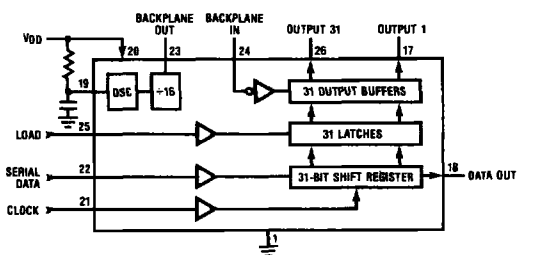
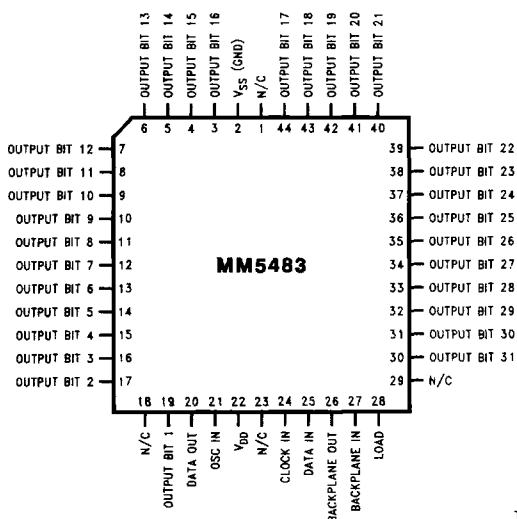


FIGURE 1

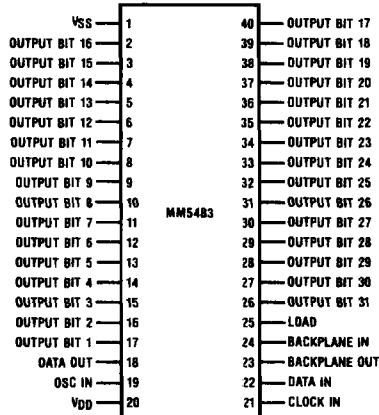
TL/F/6140-1



Order Number MM5483V  
See NS Package Number V44A

TL/F/6140-7

### Dual-In-Line Package



TL/F/6140-2

### Top View

### FIGURE 2

Order Number MM5483MS or MM5483N  
See SSOP Package Number MS40A  
See NS Package Number N40A