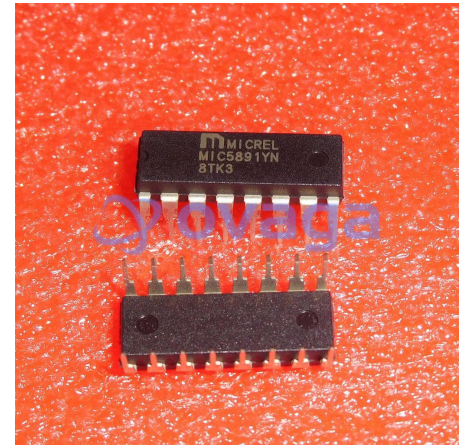


Driver IC; Number of Drivers:1; Package/Case:16-DIP; Driver Type:Latched; Output Current:500mA; Mounting Type:Through Hole; Supply Voltage:5V

Manufacturers	Microchip Technology, Inc
Package/Case	PDIP-16
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MIC5891YN or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MIC5891 latched driver is a high-voltage, high current integrated circuit comprised of eight CMOS data latches, CMOS control circuitry for the common STROBE and OUTPUT ENABLE, and bipolar Darlington transistor drivers for each latch. Bipolar/MOS construction provides extremely low power latches with maximum interface flexibility. The MIC5891 will typically operate at 5MHz with a 5V logic supply. The CMOS inputs are compatible with standard CMOS, PMOS, and NMOS logic levels. TTL circuits may be used with appropriate pull-up resistors to ensure a proper logic-high input. A CMOS serial data output allows additional drivers to be cascaded when more than 8 bits are required. The MIC5891 has open-emitter outputs with suppression diodes for protection against inductive load transients. The output transistors are capable of sourcing 500mA and will sustain at least 35V in the on-state. Simultaneous operation of all drivers at maximum rated current requires a reduction in duty cycle due to package power limitations. Outputs may be paralleled for higher load current capability. The MIC5891 is available in a 16-pin plastic DIP package (N) and 16-pin wide SOIC package (WM).

Features

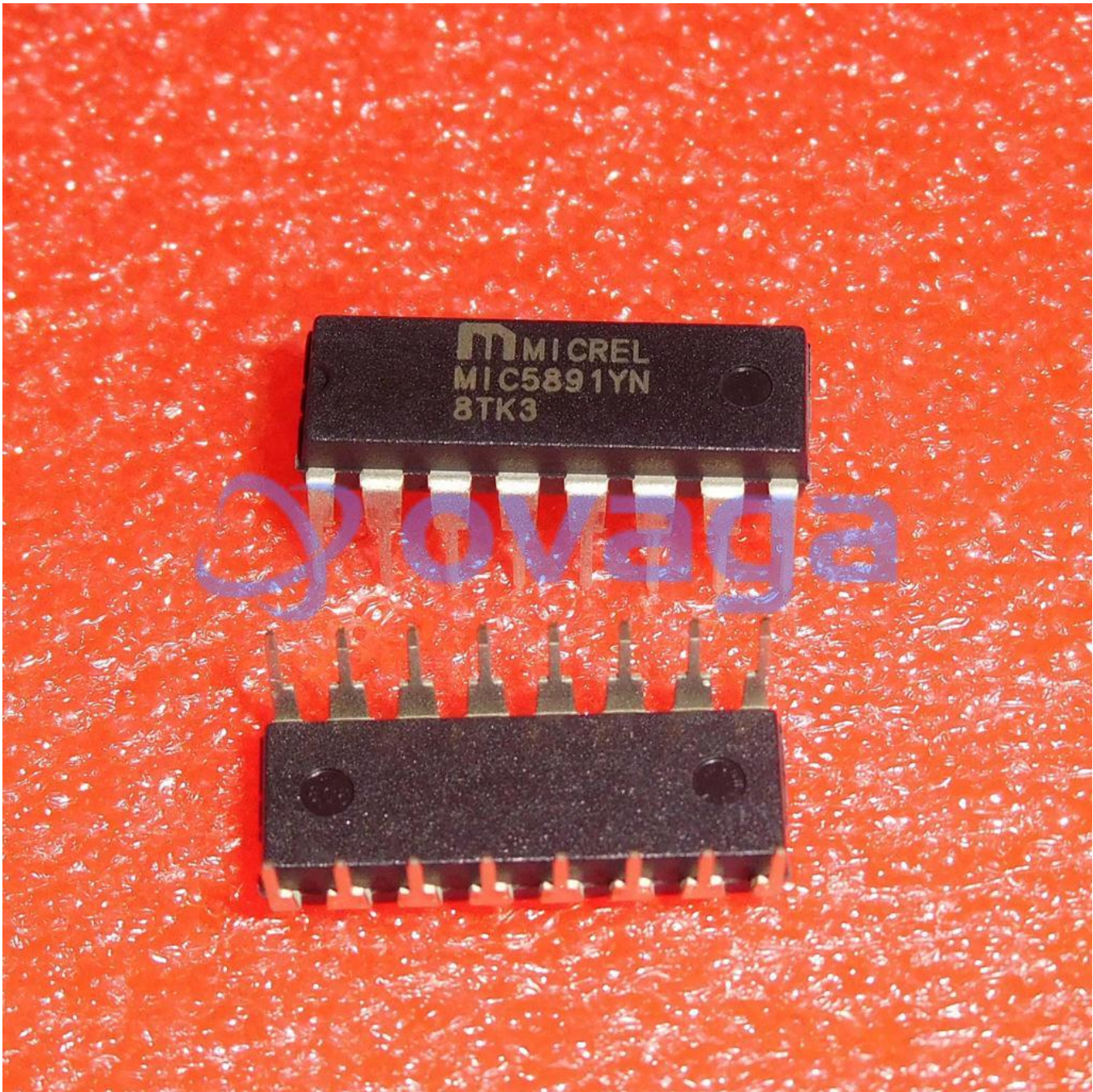
High-voltage, high-current outputs

Output transient protection diodes

CMOS-, PMOS-, NMOS-, and TTL-compatible inputs

5MHz typical data input rate

Low-power CMOS latches



Related Products



[MIC94325YMT-TR](#)

Microchip Technology, Inc
UDFN-6



[MIC4684YM](#)

Microchip Technology, Inc
SOIC-8



[MIC2009A-1YM6-TR](#)

Microchip Technology, Inc
SOT-23-6



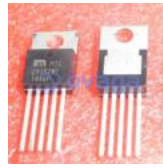
[MIC2090-1YM5-TR](#)

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[MIC5841YWM-TR](#)

Microchip Technology, Inc
SOIC-18



[MIC29152WT](#)

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TO-220-5



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SOIC-8



[MIC2026-2YM](#)

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SOIC-8