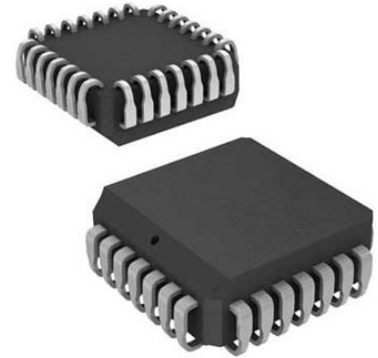


Peripheral Driver, 4/8 Bit Parallel Input Latched, 8 Outputs, 12 V supply, 50 V/500 mA out, LCC-28



Images are for reference only

Manufacturers	Microchip Technology, Inc
Package/Case	PLCC-28
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	

Please submit RFQ for MIC5801YV or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MIC5800/5801 latched drivers are high-voltage, high-current integrated circuits comprised of four or eight CMOS data latches, a bipolar Darlington transistor driver for each latch, and CMOS control circuitry for the common CLEAR, STROBE, and OUTPUT ENABLE functions. The bipolar/MOS combination provides an extremely low-power latch with maximum interface flexibility. MIC5800 contains four latched drivers; MIC5801 contains eight latched drivers. Data input rates are greatly improved in these devices. With a 5V supply, they will typically operate at better than 5MHz. With a 12V supply, significantly higher speeds are obtained. The CMOS inputs are compatible with standard CMOS, PMOS, and NMOS circuits. TTL or DTL circuits may require the use of appropriate pull-up resistors. The bipolar outputs are suitable for use with relays, solenoids, stepping motors, LED or incandescent displays, and other high-power loads. Both units have open-collector outputs and integral diodes for inductive load transient suppression. The output transistors are capable of sinking 500mA and will sustain at least 50V in the OFF state. Because of limitations on package power dissipation, the simultaneous operation of all drivers at maximum rated current can only be accomplished by a reduction in duty cycle. Outputs may be paralleled for higher load current capability.

Features

4.4MHz minimum data input rate

High-voltage, current sink outputs

Output transient protection

CMOS, PMOS, NMOS, and TTL-compatible inputs

Internal pull-down resistors

Low-power CMOS latches

Related Products



[MIC94325YMT-TR](#)

Microchip Technology, Inc
UDFN-6



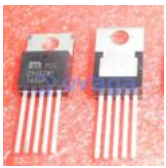
[MIC2009A-1YM6-TR](#)

Microchip Technology, Inc
SOT-23-6



[MIC5841YWM-TR](#)

Microchip Technology, Inc
SOIC-18



[MIC29152WT](#)

Microchip Technology, Inc
TO-220-5



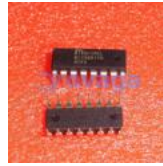
[MIC4684YM](#)

Microchip Technology, Inc
SOIC-8



[MIC2090-1YM5-TR](#)

Microchip Technology, Inc
SOT-23-5



[MIC5891YN](#)

Microchip Technology, Inc
PDIP-16



[MIC5209YM](#)

Microchip Technology, Inc
SOIC-8