

Shift Register/Latch/Driver Single 32-Bit Serial to Parallel 44-Pin PLCC Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: PLCC-44

Product Type: Logic ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The HV9308 is a low voltage serial to high voltage parallel converter with push-pull outputs. This device has been designed for use as a driver for AC-electroluminescent displays. It can also be used in any application requiring multiple output, high voltage current sourcing and sinking capabilities such as driving plasma panels, vacuum fluorescent, or large matrix LCD displays. This device consists of a 32-bit shift register, 32 latches, and control logic to enable outputs. HVOUT1 is connected to the first stage of the shift register through the Output Enable logic. Data is shifted through the shift register on the low to high transition of the clock. The HV9308 shifts in the clockwise direction when viewed from the top of the package. A data output buffer is provided for cascading devices. This output reflects the current status of the last bit of the shift register (32). Operation of the shift register is not affected by the LE (latch enable) or the OE (output enable) inputs. Transfer of data from the shift register to the latch occurs when the LE input is high. The data in the latch is retained when LE is low.

Key Features

Processed with HVCMOS® technology

Low power level shifting

Shift register speed 8.0MHz

Latched data outputs

5.0V CMOS compatible inputs

Diode to VPP allows efficient power recovery

Recommended For You

HV57708PG-G

Microchip Technology, Inc

PQFP-80

HV5622PG-G

Microchip Technology, Inc

PQFP-44

HV507PG-G

Microchip Technology, Inc

PQFP-80

HV7620PG-G

Microchip Technology, Inc
PQFP-64

HV5222PG-G

Microchip Technology, Inc
QFP

HV5122PJ-G

Microchip Technology, Inc
PLCC-44

HV3418PG-G

Microchip Technology, Inc
PQFP-80

HV5408PJ-B-G

Microchip Technology, Inc
PLCC-44

HV57908PG-G

Microchip Technology, Inc
PQFP-80

HV5222PJ-G

Microchip Technology, Inc
PLCC-44

HV5622PJ-G

Microchip Technology, Inc
PLCC

HV5408PG-B-G

Microchip Technology, Inc
PQFP-44

HV5530PG-G

Microchip Technology, Inc
PQFP-44

HV5308PJ-B-G

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HV509K6-G

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QFN