


Shift Register/Latch/Driver Single 64-Bit Serial to Parallel 80-Pin PQFP Tray

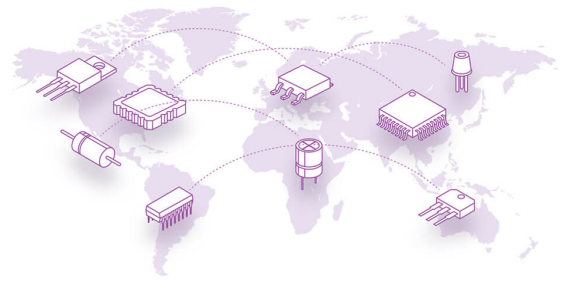
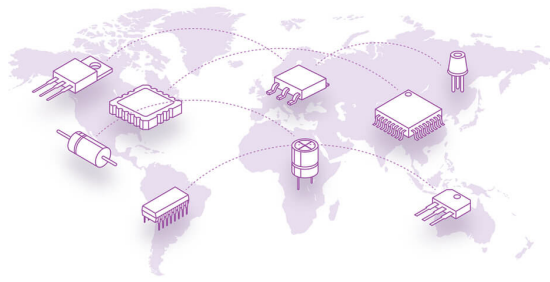
Manufacturer:	Microchip Technology, Inc	<input type="text" value="HV57708PG-G Image"/>
Package/Case:	PQFP-80	Images are for reference only
Product Type:	Logic ICs	<input type="button" value="Inquiry"/>
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

The HV57708 is a low voltage serial to high voltage parallel converter with push-pull outputs. The device has been designed for use as a driver for EL displays. It can also be used in any application requiring multiple output high voltage current sourcing and sinking capability such as driving plasma panels, vacuum fluorescent displays, or large matrix LCD displays. The device has 4 parallel 16-bit registers, permitting data rates 4x the speed of one (they are clocked together). There are also 64 latches and control logic to perform the polarity select and blanking of the outputs. HVOUT1 is connected to the first stage of the first shift register through the polarity and blanking logic. Data is shifted through the shift registers on the logic low to high transition of the clock. The DIR pin causes CCW shifting when connected to GND, and CW shifting when connected to VDD. A data output buffer is provided for cascading devices. This output reflects the current status of the last bit of the shift register (HVOUT64). Operation of the shift register is not affected by the LE (latch enable), BL (blanking), or the POL (polarity) inputs. Transfer of data from the shift registers to the latches occurs when the LE input is high. The data in the latches is stored when the LE is low.

Key Features

- HVCMOS® technology
- 5.0V CMS Logic
- Output voltage up to +80V
- Low power level shifting
- 32MHz equivalent data rate
- Latched data outputs
- Foreward and reverse shifting options (DIR pin)
- Diode to VPP allows efficient power recovery
- Outputs may be hot switched



Recommended For You

HV9308PJ-G

Microchip Technology, Inc

PLCC-44

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

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PQFP-44

HV5308PJ-B-G

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QFN