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## PXS070-CH8

Eight-Channel, High-Side Addressable VCSEL Driver 70V, 2A(Max)

## **1** Features

- Max 2A peak current for each channel
- TTL and CMOS Compatible Inputs
- Wide VDD operating range from 4.5V to 70V
- Independent input for each channel
- Hysteretic-logic thresholds for high noise immunity
- Fast propagation delay (12-ns typical)
- UVLO and over-temperature protection
- LGA 3.3\*1.6mm Package Size

## **2** Applications

1D/2D Addressable VCSEL Driver

Order Information	
Name	Max Current for each channel
PXS070-CH8A1	500mA
(pending)	
PXS070-CH8A2	2A

## **3 Description**

The PXS070-CH8 is an Eight-channel, High-Speed, High-Side addressable laser driver that effectively drives 1D/2D arrays. PXS070-CH8 can operate stably at 70V VDD and meet the requirements of high-power laser output. PXS070-CH8 has a maximum drive strength of 2-A, which enable the driving of lasers at MHz frequency while minimizing heat dissipation. The inputs of the PXS070-CH8 are TTL logic compatible, therefore control signals of 3.3V/5V can be used. Each channel of the PXS070-CH8 can be independently selected and controlled.

The PXS070-CH8 requires a 5V power supply for the internal logic circuit. The PXS070-CH8 also features undervoltage lockout (UVLO) for improved system robustness. The driver features undervoltage lockout so that the device will not be damaged in overload or fault conditions.

The PXS070-CH8 is available in LGA 3.3\*1.6mm package, which minimize parasitic inductance and board size.