
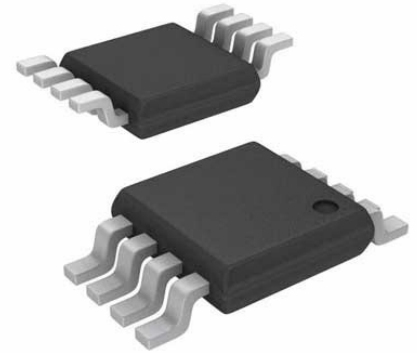


## Driver 4A 2-OUT Low Side Non-Inv 8-Pin MSOP EP Tube

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	MSOP8
<b>Product Type:</b>	Drivers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The ADP362x/ADP363x is a family of high current and dual high speed drivers, capable of driving two independent N-channel power MOSFETs. The family uses the industry-standard foot-print but adds high speed switching performance and improved system reliability.

The family has an internal temperature sensor and provides two levels of overtemperature protection, an overtemperature warning, and an overtemperature shutdown at extreme junction temperatures.

The SD function, generated from a precise internal comparator, provides fast system enable or shutdown. This feature allows redundant overvoltage protection, complementing the protection inside the main controller device, or provides safe system shutdown in the event of an overtemperature warning. The wide input voltage range allows the driver to be compatible with both analog and digital PWM controllers. Digital power controllers are supplied from a low voltage supply, and the driver is supplied from a higher voltage supply. The ADP362x/ADP363x family adds UVLO and hysteresis functions, allowing safe startup and shutdown of the higher voltage supply when used with low voltage digital controllers.

The device family is available in thermally enhanced SOIC\_N\_EP and MINI\_SO\_EP packaging to maximize high frequency and current switching in a small printed circuit board (PCB) area.

## Key Features

Industry-standard-compatible pinout

High current drive capability

Precise threshold shutdown comparator

UVLO with hysteresis

Overtemperature warning signal

Overtemperature shutdown

3.3 V-compatible inputs

10 ns typical rise time and fall time @ 2.2 nF load

Matched propagation delays between channels

Fast propagation delay

9.5 V to 18 V supply voltage (ADP3633/ADP3634/ADP3635)

4.5 V to 18 V supply voltage (ADP3623/ADP3624/ADP3625)

See data sheet for additional features

## Application

AC-to-dc switch mode power supplies

DC-to-dc power supplies

Synchronous rectification

Motor drives

## Recommended For You

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### **ADP196ACPZ-R7**

Analog Devices, Inc  
LFCSP-6

### **ADP191ACBZ-R7**

Analog Devices, Inc  
WLCSP4

### **AD581LH**

Analog Devices, Inc  
CAN3

### **AD1583BRIZ-REEL7**

Analog Devices, Inc  
SOT-23

### **ADL5315ACPZ-R7**

Analog Devices, Inc  
LFCSP8

### **ADP5023ACPZ-R7**

Analog Devices, Inc  
LFCSP-24

### **ADR01TUJZ-EP-R7**

Analog Devices, Inc  
5-LeadTSOT

### **AD581KH**

Analog Devices, Inc  
CAN3

### **AD780BRZ**

Analog Devices, Inc  
SOP8

### **AD580SH**

Analog Devices, Inc  
CAN3

### **ADM660ARZ**

Analog Devices, Inc  
SOP8

### **ADM660ARZ-REEL7**

Analog Devices, Inc  
SOP8

**ADP1612ARMZ-R7**

Analog Devices, Inc

MSOP8

**ADR444BRZ**

Analog Devices, Inc

SOP8

**AD589JH**

Analog Devices, Inc

CAN