

## Single Transmitter/Receiver RS-422/RS-485 8-Pin SOIC N Tube

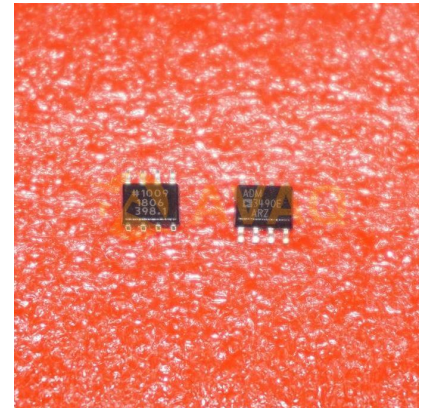
**Manufacturer:** [Analog Devices, Inc](#)

**Package/Case:** SOP-8

**Product Type:** Drivers

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

The devices have a 12 k $\Omega$  receiver input impedance which allows up to 32 transceivers on a bus. Since only one driver should be enabled at any time, the output of a disabled or powered down driver is three-stated to avoid overloading the bus. The driver outputs of the ADM3486E are slew rate limited in order to reduce EMI and data errors caused by reflections from improperly terminated buses. The receiver has a failsafe feature which ensures a logic high output when the inputs are floating. Excessive power dissipation caused by bus contention or by output shorting is prevented with a thermal shutdown circuit. The parts are fully specified over the commercial and industrial temperature ranges and are available in narrow 8-lead and 14-lead (ADM3491E) SOIC packages.

### Key Features

Receiver open-circuit failsafe design

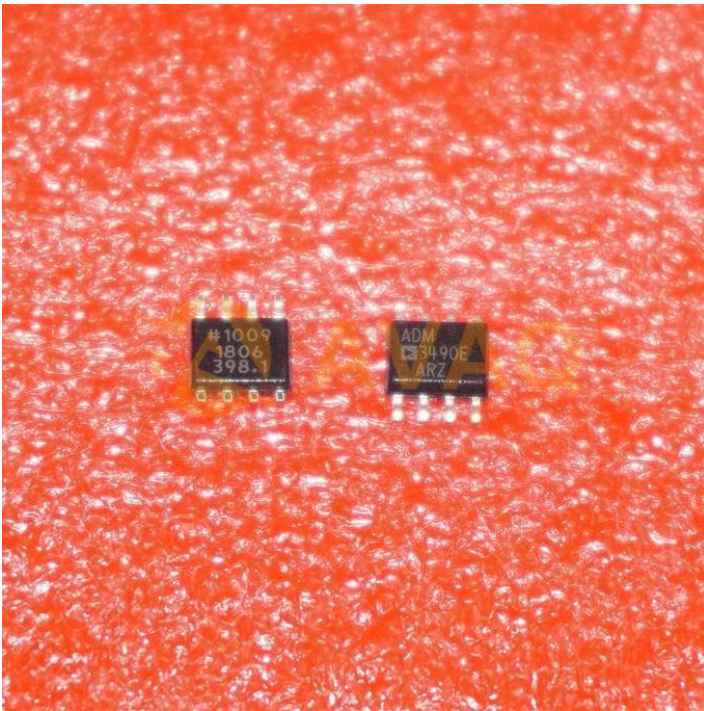
Low power shutdown current

Outputs high-Z when disabled or powered-OFF

Common-mode input range of -7 to 12V

Thermal shutdown and short-circuit protection

Industry-standard 75176 pin-out



## Recommended For You

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### **ADuMB160BRWZ-RL**

Analog Devices, Inc

SOP16

### **ADMB232EARUZ**

Analog Devices, Inc

TSSOP-16

### **ADuM5211ARSZ**

Analog Devices, Inc

SSOP20

### **ADuMI201BRZ-RL7**

Analog Devices, Inc

SOP8

### **ADV7623BSTZ**

Analog Devices, Inc

LQFP144

### **ADuMI410BRWZ**

Analog Devices, Inc

SOP16

### **AD698APZ**

Analog Devices, Inc

PLCC28

### **ADMB251EARWZ**

Analog Devices, Inc

SOP20

### **ADM485ANZ**

Analog Devices, Inc

DIP

### **ADuM6400ARWZ**

Analog Devices, Inc

SOP16

### **ADuMI281BRZ**

Analog Devices, Inc

SOP8

### **ADUMI42E0BRZ**

Analog Devices, Inc

SOP-16

### **ADuMI412BRWZ**

Analog Devices, Inc

SOP16

### **ADV7622BSTZ**

Analog Devices, Inc

TQFP144

### **ADAU1328BSTZ**

Analog Devices, Inc

QFP