
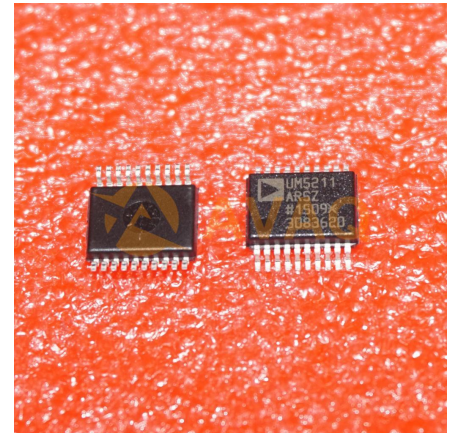


## Digital Isolator 2-CH 1Mbps 20-Pin SSOP Tube

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	SSOP20
<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 ADuM5210/ADuM5211/ADuM5212 are dual-channel digital isolators with isoPower®, an integrated, isolated dc-to-dc converter. Based on the Analog Devices, Inc., iCoupler® technology, the dc-to-dc converter provides regulated, isolated power that is adjustable between 3.135 V and 5.25 V. Input supply voltages can range from slightly below the required output to significantly higher. Popular voltage combinations and their associated power levels are shown in Table 2 in the data sheet.

The ADuM5210/ADuM5211/ADuM5212 eliminate the need for a separate, isolated dc-to-dc converter in low power, isolated designs. The iCoupler chip-scale transformer technology is used for isolated logic signals and for the magnetic components of the dc-to-dc converter. The result is a small form factor, total isolation solution.

isoPower uses high frequency switching elements to transfer power through its transformer. Take special care during printed circuit board (PCB) layout to meet emissions standards. See the AN-0971 Application Note for board layout recommendations.

## Key Features

isoPower integrated, isolated dc-to-dc converter

Regulated 3.15 V to 5.25 V output

Up to 150 mW output power

Dual dc-to-100 Mbps (NRZ) signal isolation channels

Soft start power supply

20-lead SSOP package with 5.3 mm creepage

Supports SPI up to 15 MHz

High temperature operation: 105°C

High common-mode transient immunity: >25 kV/μs

Safety and regulatory approvals

UL recognition

2500 V rms for 1 minute per UL 1577

CSA Component Acceptance Notice 5A

VDE certificate of conformity

DIN V VDE V 0884-10 (VDE V 0884-10):2006-12

VIORM = 560 V peak

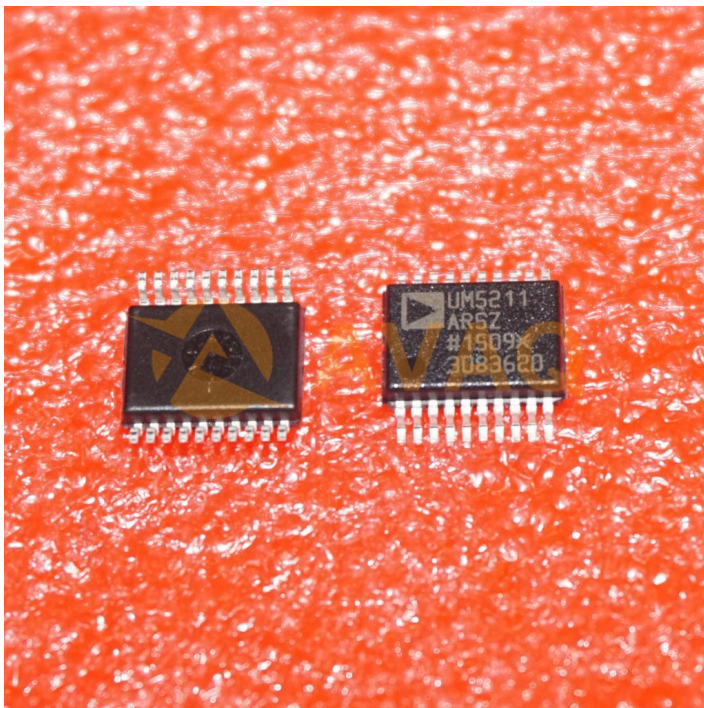
## Application

RS-232 transceivers

Power supply start-up bias and gate drives

Isolated sensor interfaces

Industrial PLCs



## Recommended For You

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**ADM3490EARZ**

Analog Devices, Inc

SOP-8

**ADuM3160BRWZ-RL**

Analog Devices, Inc

SOP16

**ADM3232EARUZ**

Analog Devices, Inc

TSSOP-16

**ADuMI201BRZ-RL7**

Analog Devices, Inc

SOP8

**ADV7623BSTZ**

Analog Devices, Inc

LQFP144

**ADuMI410BRWZ**

Analog Devices, Inc

SOP16

**AD698APZ**

Analog Devices, Inc

PLCC28

**ADM3251EARWZ**

Analog Devices, Inc

SOP20

**ADM485ANZ**

Analog Devices, Inc

DIP

**ADuM6400ARWZ**

Analog Devices, Inc

SOP16

**ADuMI281BRZ**

Analog Devices, Inc

SOP8

**ADUM142E0BRZ**

Analog Devices, Inc

SOP-16

**ADuMI412BRWZ**

Analog Devices, Inc

SOP16

**ADV7622BSTZ**

Analog Devices, Inc

TQFP144

**ADAU1328BSTZ**

Analog Devices, Inc

QFP