


Digital Isolator CMOS 4-CH 1Mbps 16-Pin SOIC N T/R

Manufacturer:	Skyworks Solutions, Inc
Package/Case:	SOP16
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

SI8642AB-B-IS1R is an electronic component, specifically an optocoupler, which is a type of isolator that couples high-voltage and low-voltage circuits using light. The SI8642AB-B-IS1R optocoupler is manufactured by Silicon Labs and is designed for use in industrial and automotive applications.

Key Features

- Dual-channel digital isolator
- 2.5 kV isolation voltage rating
- 1 Mbps data rate
- Low propagation delay of 8 ns
- Wide temperature range of -40°C to +125°C
- High common-mode transient immunity (CMTI) of 50 kV/μs
- RoHS-compliant and lead-free

Application

- Isolation of digital signals in industrial and automotive systems
- Isolation of data communication interfaces, such as I2C, SPI, and RS-485
- Isolation of power supplies and voltage regulators
- Isolation of motor control and power inverter circuits

Recommended For You

SI3210-GT

Skyworks Solutions, Inc

TSSOP38

Si8400AB-B-IS

Skyworks Solutions, Inc

SOP8

Si3210-KT

Skyworks Solutions, Inc

TSSOP38

SI3016-F-FS

Skyworks Solutions, Inc

SOP16

SI3201-KS

Skyworks Solutions, Inc

SOP16

SI3220-GQ

Skyworks Solutions, Inc

QFP

SI3200-GS

Skyworks Solutions, Inc

SOP16

SI8621AB-B-ISR

Skyworks Solutions, Inc

SOP8

SI8663ED-B-IS

Skyworks Solutions, Inc

SOP16

SI3201-GS

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SOP16

SI8631AB-B-IS1R

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SOP16

SI3201-FS

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SI3210M-FT

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TSSOP38

SI8431AB-D-IS

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SOP16

SI3210-FT

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