
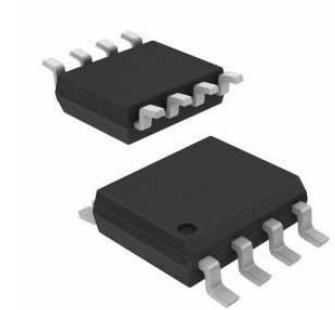


IRDA TX/RX 4Mbps 3V 8-Pin SOP T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP8
Product Type:	Infrared Data Communications
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The TIR1000x serial infrared (SIR) encoder and decoder is a CMOS device that encodes and decodes bit data in conformance with the IrDA specification. A transceiver device is needed to interface to the photo-sensitive diode (PIN) and the light emitting diode (LED). A UART is needed to interface to the serial data lines.

Key Features

- Adds Infrared (IR) Port to Universal Asynchronous Receiver Transmitter (UART)
- Compatible With Infrared Data Association (IrDA?) and Hewlett Packard Serial Infrared (HPSIR)
- Provides 1200-bps to 115-kbps Data Rate
- Operates from 2.7 V to 5.5 V
- Provides Simple Interface With UART
- Decodes Negative or Positive Pulses
- Available in Two 8-Terminal Plastic Small Outline Packages (PSOP)
PS Package Has Slightly Larger Dimensions Than PW Package

Recommended For You

TIR1000PWR

Texas Instruments, Inc
TSSOP8

TIR1000IPWR

Texas Instruments, Inc
TSSOP8

TIR1000IPW

Texas Instruments, Inc
TSSOP-8

TIR1000PSLE

Texas Instruments, Inc
BGA

TIR1000IPSR

Texas Instruments, Inc
SOP8

TIR1000PS

Texas Instruments, Inc
SOP-8

TIR1000IPWG4

Texas Instruments, Inc
TSSOP8

TIR1000PWRG4

Texas Instruments, Inc
TSSOP8

TIR1000PW

Texas Instruments, Inc
TSSOP8

TIR1000PSRG4

Texas Instruments, Inc
SOP-8

TIR1000IPS

Texas Instruments, Inc
SOP-8

SN74S38N

Texas Instruments, Inc
DIP

SN7438N

Texas Instruments, Inc
DIP14

CD4070BE

Texas Instruments, Inc
DIP14

SN75462P

Texas Instruments, Inc
DIP8