


## Infrared Encoder/Decoder 115.2KBd 2.5V/3.3V/5V 8-Pin SOIC N Tube



Images are for reference only

[Inquiry](#)

|                      |  |
|----------------------|--|
| <b>Manufacturer:</b> | <a href="#">Microchip Technology, Inc</a>  |
| <b>Package/Case:</b> | SOP8   |
| <b>Product Type:</b> | Communication & Networking ICs   |
| <b>RoHS:</b>         | RoHS Compliant/Lead free  |
| <b>Lifecycle:</b>    | Active   |

### General Description

Converts serial data from UART bitstreams to IrDA standard bitstreams (encodes) and from IrDA standard bitstreams to UART bitstreams (decodes). Requires input clock that is 16x needed baud rate.

### Key Features

Pinout compatible with HSDL-7000

Compliant with IrDA® Standard Physical Layer Specification (version 1.3)

UART to IrDA Standard Encoder/Decoder: Interfaces with IrDA Standard Compliant Transceiver

Baud Rates: Up to IrDA Standard 115.2 Kbaud Operation

Transmit/Receive Formats (Bit Width) Supported: 1.63  $\mu$ s

Low-power Mode (2  $\mu$ A at 1.8V + 125°C)

Pb-free packaging

### Recommended For You

#### MCP2122T-E/SN

Microchip Technology, Inc  
SOP8

#### MCS3142-I/ST

Microchip Technology, Inc  
TSSOP

#### MCP2120-I/P

Microchip Technology, Inc  
DIP14

#### MCP2122-E/P

Microchip Technology, Inc  
DIP-8

#### MIC58P42YN

Microchip Technology, Inc  
18LPDIP

#### HCS301-I/SN

Microchip Technology, Inc  
SOP8

**SY58017UMG**

Microchip Technology, Inc  
QFN

**SY55855VKG**

Microchip Technology, Inc  
MSOP10

**SY58606UMG**

Microchip Technology, Inc  
MLF-16

**SY58608UMG**

Microchip Technology, Inc  
QFN16

**HV57708PG-G**

Microchip Technology, Inc  
PQFP-80

**SY100EL16VZG**

Microchip Technology, Inc  
SOP8

**SY89547LMG**

Microchip Technology, Inc  
QFN-32

**SY100EP15VK4G**

Microchip Technology, Inc  
TSSOP-16

**SY100ELT22ZG**

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