

IR Encoder/Decoder, IrDA, UART to IR, 312.5 Kbaud, 2.5 V to 5.5 V, SOIC-14

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SOIC-14
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP2120-I/SL or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MCP2120 is a low-cost, high-performance, fully-static infrared encoder/decoder. This device sits between a UART and an infrared (IR) optical transceiver. The data received from a standard UART is encoded (modulated), and output as electrical pulses to the IR Transceiver. The IR Transceiver also receives data which it outputs as electrical pulses that the MCP2120 decodes (demodulates) then transmits the data via the MCP2120 UART. This modulation and demodulation method is performed in accordance with the IrDA standard.

## Features

Supports with IrDA® physical Layer Specification (version 1.3)

UART to IR Encoder/Decoder

Interfaces with IrDA Compliant Transceivers

Used with any UART, including standard 16550 UART and microcontroller UART

Transmit/Receive formats supported: 1.63  $\mu$ s

Hardware or Software Baud rate selection

Up to IrDA standard 115.2 kbaud operation

Up to 312.5 kbaud operation (at 20 MHz)

Low power mode

Pb-free packaging

## Related Products



### [MCP23008T-E/SO](#)

Microchip Technology, Inc  
SOIC-18



### [MCP25625T-E/ML](#)

Microchip Technology, Inc  
QFN-28



### [MCP23008T-E/ML](#)

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### [MCP2515T-I/ST](#)

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### [MCP2551-I/P](#)

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### [MCP2210-I/SO](#)

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### [MCP2515T-I/SO](#)

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### [MCP2562FDT-H/SN](#)

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