

Hi-Speed Universal Serial Bus peripheral controller

Manufacturers

[NXP Semiconductor](#)

Package/Case

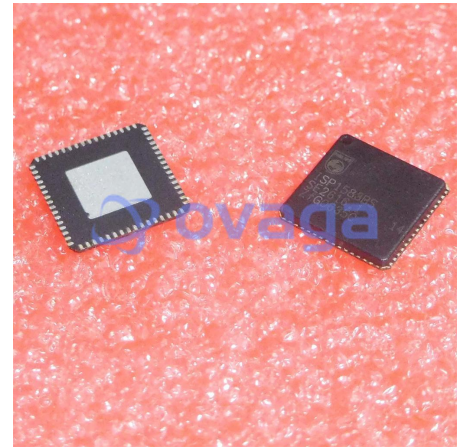
QFN-64

Product Type

Embedded Processors & Controllers

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for ISP1583BS or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

ISP1583BS is a high-speed USB 2.0 device controller from NXP Semiconductors. It is designed to provide a complete USB interface to a variety of peripherals, including microcontrollers, DSPs, and FPGAs.

Features

Full-speed and low-speed USB device support

On-chip 8KB RAM for data buffering

3.3V operation with 5V tolerant I/O

Support for 8-bit and 16-bit data bus widths

Flexible endpoint configuration options

Low power consumption

Application

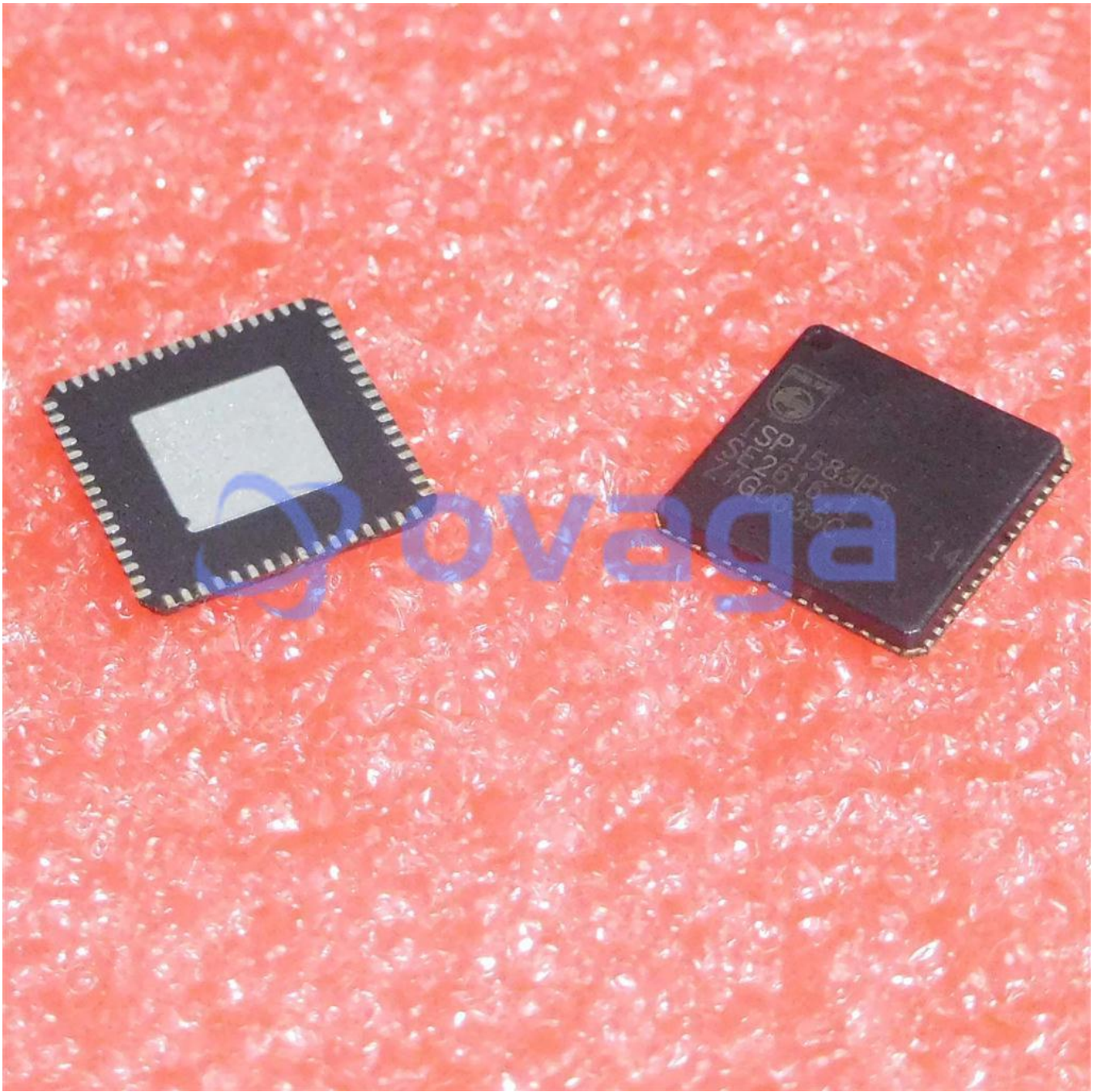
USB-to-serial converters

USB audio interfaces

USB mass storage devices

USB smart card readers

USB industrial control devices





Related Products



[ISP1521BE](#)

NXP Semiconductor
QFP80



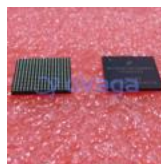
[ISP1582BS](#)

NXP Semiconductor
QFN-56



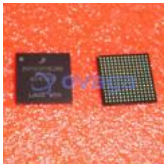
[LPC3250FET296](#)

NXP Semiconductor
TFBGA296



[MCIMX6Y2CVM08AA](#)

NXP Semiconductor
MAPBGA-289



[DSP56321VL240](#)

NXP Semiconductor
196-BGA



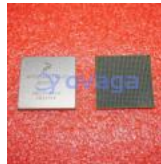
[MPC860TVR50D4](#)

NXP Semiconductor
BGA-357



[MPC852TCVR66A](#)

NXP Semiconductor
BGA-256



[MPC8548VTAUJD](#)

NXP Semiconductor
BGA-783