

UART 1-CH 64byte FIFO 2.5V/3.3V Automotive 16-Pin TSSOP T/R

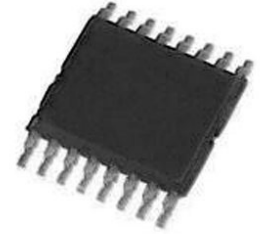
Manufacturer: [NXP Semiconductor](#)

Package/Case: TSSOP16

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

Key Features

and benefits

General

- Single full-duplex UART
- Selectable I2C-bus or SPI interface
- 3.3 V or 2.5 V operation
- Industrial temperature range: -40 °C to +85 °C
- 64 bytes FIFO (transmitter and receiver)
- Fully compatible with industrial standard 16C450 and equivalent
- Baud rates up to 5 Mbit/s in 16x clock mode
- Auto hardware flow control using RTS/CTS
- Auto software flow control with programmable Xon/Xoff characters
- Single or double Xon/Xoff characters
- Automatic RS-485 support (automatic slave address detection)
- Up to eight programmable I/O pins (SC16IS750 and SC16IS760 only)
- RS-485 driver direction control via RTS signal
- RS-485 driver direction control inversion
- Built-in IrDA encoder and decoder interface
- SC16IS750 supports IrDA SIR with speeds up to 115.2 kbit/s
- SC16IS760 supports IrDA SIR with speeds up to 1.152 Mbit/s
- Software reset
- Transmitter and receiver can be enabled/disabled independent of each other
- Receive and Transmit FIFO levels
- Programmable special character detection
- Fully programmable character formatting
- ◆ 5-bit, 6-bit, 7-bit or 8-bit character
- ◆ Even, odd, or no parity
- ◆ 1, 1 1/2, or 2 stop bits
- Line break generation and detection
- Internal Loopback mode
- Sleep current less than 30 µA at 3.3 V
- Industrial and commercial temperature ranges
- Available in HVQFN24, TSSOP24 (SC16IS750/760) and TSSOP16 (SC16IS740) packages

Recommended For You

SCN68681C1N40

NXP Semiconductor

DIP

SC16C752BIB48,151

NXP Semiconductor

48LQFP

SC16C550BIBS,151

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DETAIL

PCA9663B

NXP Semiconductor

QFP48

TDA8024AT/C1

NXP Semiconductor

SOP28

TDA8004T/C1

NXP Semiconductor

SOP28

TDA8024AT

NXP Semiconductor
SOP28

TDA8004T

NXP Semiconductor
SOP28

TDA8029HL

NXP Semiconductor
LQFP32

UBA2071AT

NXP Semiconductor
SOP24

P5CD081

NXP Semiconductor

TDA8023TT

NXP Semiconductor
TSSOP28

TDA8024TT

NXP Semiconductor
TSSOP28

MC33CD1020AES

NXP Semiconductor
QFN

PGD3160AM515EK

NXP Semiconductor
BGA