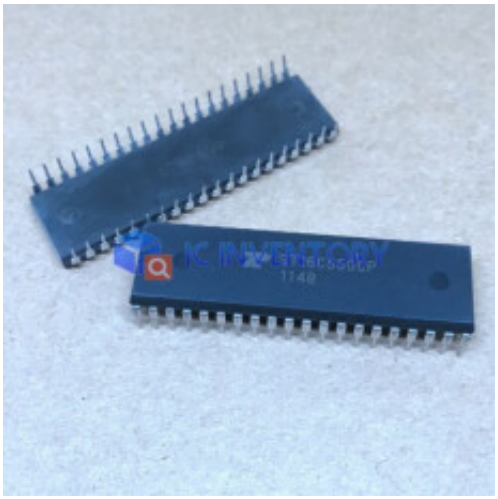
st16c550 UART With 16-Byte FIFOs



Produktkode: 493aa
Tilgjengelighet: 2
Weight: 0.00kg

Pris: kr. 0,00

Kort beskrivelse
st16c550 UART With 16-Byte FIFOs

Beskrivelse

Description Manual

The ST16C550 is a universal asynchronous receiver and transmitter with 16-byte transmit and receive FIFO. A programmable baud rate generator is provided to select transmit and receive clock rates from 50bps to 1.5Mbps.

The ST16C550 is an improved version of the NS16C550 UART with higher operating speed and lower access time. The ST16C550 onboard status registers provides the error conditions, type and status of the transfer operation being performed. Included is complete MODEM control capability and a processor interrupt system that may be software tailored to the user’s requirements. The ST16C550 provides internal loop-back capability for onboard diagnostic testing.

The ST16C550 is available in 40-pin PDIP, 44-pin PLCC and 48-pin TQFP packages. It is fabricated in an advanced 0.6m CMOS process to achieve low drain power and high speed requirements.

Features

- Pin-to-pin and functionally compatible to the industry standard 16C550
- 24MHz clock operation at 5V
- 16MHz clock operation at 3.3V
- 16-byte transmit FIFO
- 16-byte receive FIFO with error flags
- Full duplex operation
- Transmit and receive control
- Four selectable receive FIFO interrupt trigger levels
- Standard modem interface
- Compatible with ST16C450
- Low operating current (1.2mA typ.)
- Pb-Free, RoHS compliant versions offered