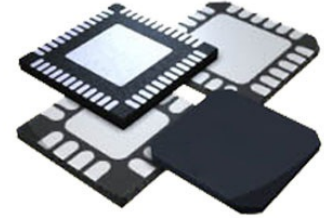


I2C/SPI Interface 2600kHz 5.5V 40-Pin TQFN EP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Maxim Integrated](#)

Package/Case: QFN

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The MAX7301 compact, serial-interfaced I/O expander (or general-purpose I/O (GPIO) peripheral) provides microprocessors with up to 28 ports. Each port is individually user configurable to either a logic input or logic output. Each port can be configured either as a push-pull logic output capable of sinking 10mA and sourcing 4.5mA, or a Schmitt logic input with optional internal pullup. Seven ports feature configurable transition detection logic, which generates an interrupt upon change of port logic level. The MAX7301 is controlled through an SPI-compatible 4-wire serial interface. The MAX7301AAX and MAX7301ATL have 28 ports and are available in 36-pin SSOP and 40-pin TQFN packages, respectively. The MAX7301AAI has 20 ports and is available in a 28-pin SSOP package. For a 2-wire I2C-interfaced version, refer to the MAX7300 data sheet. For a pin-compatible port expander with additional 24mA constant-current LED drive capability, refer to the MAX6957 data sheet.

Key Features

Low power consumption reduces power supply requirements

Operating temperature range from -40°C to 125°C

High speed 26MHz SPI/QSP/MICROWIRE compatible serial interface

Maximum shutdown current is 11µA

Application

Gaming Machines

Industrial Controllers

System Monitoring

White Goods

Recommended For You

MAX232ESE+

Maxim Integrated

SOP16

MAX14830ETM+

Maxim Integrated

TQFN48

MAX483ESA+

Maxim Integrated

SOP8

MAX232ACSE+T

Maxim Integrated

SOP-16

MAX6675ISA+T

Maxim Integrated

SOP-8

MAX7300AAX+

Maxim Integrated

SSOP-36

MAX485CPA+

Maxim Integrated

DIP8

MAX232CSE+

Maxim Integrated

SOP16

MAX3100EEE+

Maxim Integrated

SSOP16

MAX31855KASA+

Maxim Integrated

SOP-8

MAX22246CAWA+

Maxim Integrated

SOP-8

MAX3140CEI+

Maxim Integrated

SSOP28

MAX9860ETG+T

Maxim Integrated

TQFN-24

MAX3344EEUE+

Maxim Integrated

TSSOP-16

MAX9180EXT

Maxim Integrated

SC70-6