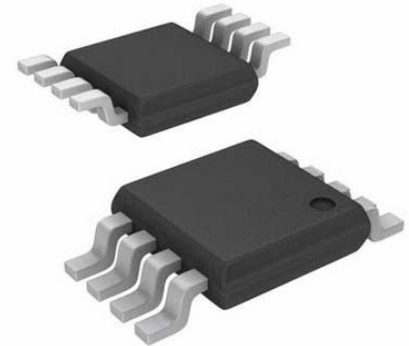


Pb-free w/ anneal VIS25 8 INCH I2C buffer 8ld MSOP IND(-40 HT SUS)A
 CODE:8542390000



Images are for reference only

Manufacturers	Renesas Technology Corp
Package/Case	8-TSSOP, 8-MSOP (0.118, 3.00mm Width)
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	

Please submit RFQ for ISL33002IUZ-T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ISL33001, ISL33002, ISL33003 are 2-Channel Bus Buffers that provide the buffering necessary to extend the bus capacitance beyond the 400pF maximum specified by the I2C specification. In addition, the ISL33001, ISL33002, ISL33003 feature rise time accelerator circuitry to reduce power consumption from passive bus pull-up resistors and improve data-rate performance. All devices also include hot swap circuitry to prevent corruption of the data and clock lines when I2C devices are plugged into a live backplane, and the ISL33002 and ISL33003 add level translation for mixed supply voltage applications. The ISL33001, ISL33002, ISL33003 operate at supply voltages from +2.3V to +5.5V at a temperature range of -40°C to +85°C.

Features

Two-channel I²C compatible bidirectional buffer

+2.3V_{DC} to +5.5V_{DC} supply range

>400kHz operation

Bus capacitance buffering

Rise time accelerators

Hot swapping capability

±6kV Class 3 HBM ESD protection on all pins

±12kV HBM ESD protection on SDA/SCL pins

Logic level translation

Accelerator disable pin

Pb-free (RoHS compliant) 8 Ld TDFN (3mm x 3mm) and 8 Ld MSOP packages

Low quiescent current: 2.1mA typ

Low shutdown current: 0.5µA typ

Related Products



[ISL83491IBZ](#)

Renesas Technology Corp
SOIC-14



[ISL3170EIUZ](#)

Renesas Technology Corp
MSOP-10



[ISL99227FRZ-T](#)

Renesas Technology Corp
32-PowerWFQFN



[ISL83078EIBZA](#)

Renesas Technology Corp
SOIC-8



[ISL83072EIBZA](#)

Renesas Technology Corp
SOIC-8



[ISL81487EIBZ](#)

Renesas Technology Corp
SOP-8



[IS82C55AZ](#)

Renesas Technology Corp
PLCC-44



[ISL83387EIVZ](#)

Renesas Technology Corp
TSSOP-24