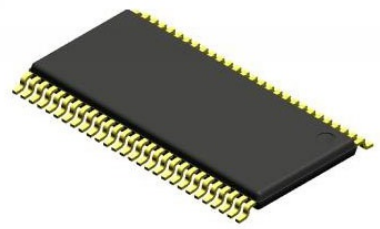
QS3VH16233PAG

Data Sheet

Digital Bus Switch ICs 3.3V 32:16 Mux/Demux Bus Switch

Manufacturers	Renesas Technology Corp
Package/Case	SSOP-56
Product Type	Logic ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for QS3VH16233PAG or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The QS3VH16233 HotSwitch is a 32-bit to 16-bit high bandwidth bus switch, which can multiplex or demultiplex data. The QS3VH16233 has very low ON resistance, resulting in under 250ps propagation delay through the switch. This device can be used as two 16-bit to 8-bit multiplexers or as one 32-bit to 16-bit multiplexer. The combination of near-zero propagation delay, high OFF impedance, and over-voltage tolerance also makes the QS3VH16233 ideal for high performance communications applications. The QS3VH16233 operates from -40C to +85C.

Features

N channel FET switches with no parasitic diode to Vcc

Isolation under power-off conditions

No DC path to Vcc or GND

5V tolerant in OFF and ON state

5V tolerant I/Os

Low RON - 4 ohm typical

Flat RON characteristics over operating range

Rail-to-rail switching 0 - 5V

Bidirectional dataflow with near-zero delay: no added ground bounce

Excellent RON matching between channels

Vcc operation: 2.3V to 3.6V

High bandwidth - up to 500 MHz

LVTTL-compatible control Inputs

Undershoot Clamp Diodes on all switch and control Inputs

Low I/O capacitance, 4pF typical

Available in 56 pin TSSOP package

Related Products

QS3861PAG8

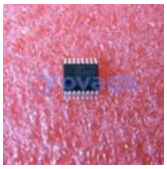
Renesas Technology Corp

TSSOP-24

QS3384QG

Renesas Technology Corp

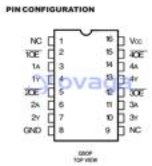
QSOP-24



QS3257QG

Renesas Technology Corp

QSOP-16



QS3125QG

Renesas Technology Corp

QSOP-16

QS3VH125QG

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QSOP-16

QS3861QG

Renesas Technology Corp

QSOP-24

QS3861PAG

Renesas Technology Corp

TSSOP-24

QS3245QG

Renesas Technology Corp

QSOP-20