

Bus Switch, 4 Channels, Bus Switch, 9 ohm, QSOP, 16 Pins New

Manufacturers	Renesas Technology Corp
Package/Case	QSOP-16
Product Type	Logic ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for QS3VH126QG8 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The QS3VH126 is a high bandwidth bus switch. The QS3VH126 has very low ON resistance, resulting in under 250ps propagation delay through the switch. The switches can be turned ON under the control of individual LVTTTL-compatible active high Output Enable signals for bidirectional data flow with no added delay or ground bounce. The combination of near-zero propagation delay, high OFF impedance, and over-voltage tolerance makes the QS3VH126 ideal for high performance communications applications. The QS3VH126 operations 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 500MHz

LVTTTL-compatible control Inputs

Undershoot Clamp Diodes on all switch and control Inputs

Low I/O capacitance, 4pF typical

Available in 16 pin QSOP and 14 pin SOIC packages

Related Products



[QS3861PAG8](#)

Renesas Technology Corp
TSSOP-24



[QS3257QG](#)

Renesas Technology Corp
QSOP-16



[QS3VH125QG](#)

Renesas Technology Corp
QSOP-16



[QS3861PAG](#)

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TSSOP-24



[QS3384QG](#)

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[QS3125QG](#)

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[QS3245QG](#)

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QSOP-20