QS3VH257QG8

Data Sheet

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 QS3VH257QG8 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The QS3VH257 HotSwitch Quad 2:1 multiplexer/demultiplexer is a high bandwidth bus switch with very low ON resistance, resulting in under 250ps propagation delay through the switch. The combination of near-zero propagation delay, high OFF impedance, and over-voltage tolerance makes the QS3VH257 ideal for high performance communication applications. The QS3VH257 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 500MHz

LVTTL-compatible control Inputs

Undershoot Clamp Diodes on all switch and control Inputs

Low I/O capacitance, 4pF typical

Available in 16 pin QSOP, SOIC, and TSSOP packages

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

Renesas Technology Corp

QSOP-16

QS3861QG

Renesas Technology Corp

QSOP-24

QS3861PAG

Renesas Technology Corp

TSSOP-24

QS3245QG

Renesas Technology Corp

QSOP-20