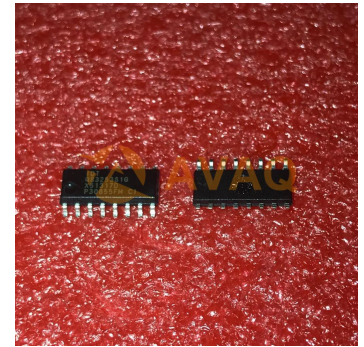


## Multiplexer/Demultiplexer Bus Switch 1-Element CMOS 8-IN 16-Pin SOIC N T/R



Images are for reference only

**Manufacturer:** [Renesas Technology Corp](#)

**Package/Case:** SOP

**Product Type:** Switches

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

The QS3253 is a high-speed CMOS TTL-compatible dual 4:1 multiplexer/ demultiplexer with 3-state outputs. The QS3253 is function and pinout compatible version of the 74F253, 74FCT253, and the 74ALS/AS/ LS253 dual 4:1 multiplexers. The low ON resistance of the QS3253 allows inputs to be connected to outputs without adding propagation delay and without generating additional ground bounce noise. The QS3253 operates at -40C to +85C.

### Key Features

Enhanced N channel FET with no inherent diode to Vcc

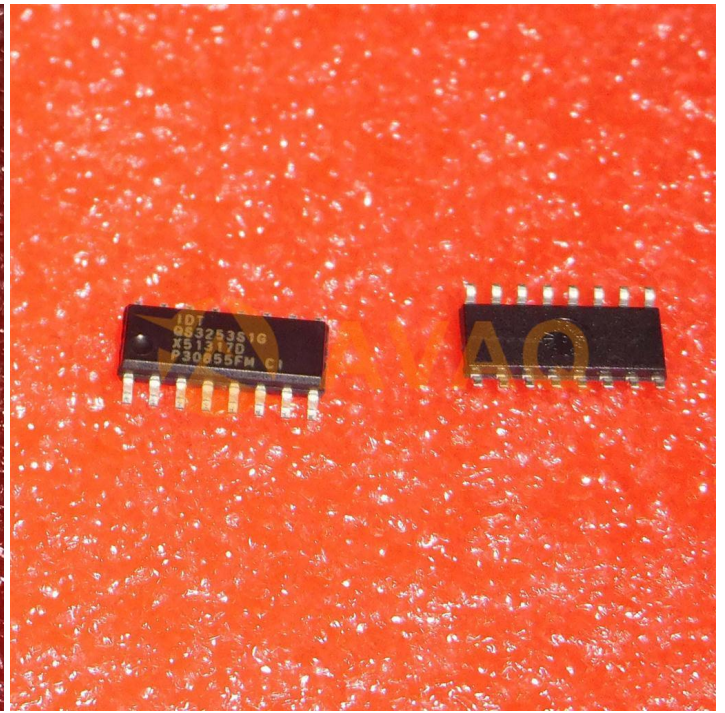
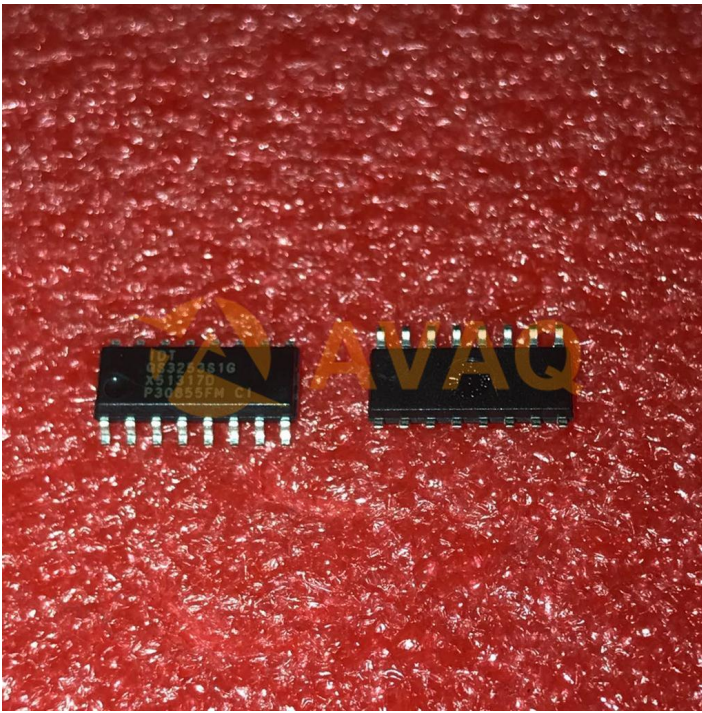
5 ohm bidirectional switches connect inputs to outputs

Zero propagation delay, zero ground bounce

Undershoot clamp diodes on all switch and control inputs

TTL-compatible control inputs

Available in 16 pin QSOP and S1 packages



## Recommended For You

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### QS3253S1G

Renesas Technology Corp

SOP

### QS3390QG8

Renesas Technology Corp

SSOP28

### QS3VH251QG

Renesas Technology Corp

QSOP16

### QS3VH16233PAG8

Renesas Technology Corp

TSSOP56

### QS3257S1G8

Renesas Technology Corp

SOP16

### QS4A201QG8

Renesas Technology Corp

QSOP-24

### QS4A201QG

Renesas Technology Corp

SOP

### QS3VH257S1G8

Renesas Technology Corp

SOP16

### SSTVF16857AG

Renesas Technology Corp

TSSOP

### 74FCT162244A1PVG

Renesas Technology Corp

SSOP-48

### EL1528CLZ

Renesas Technology Corp

QFN24

### HA1-2556-9

Renesas Technology Corp

DIP-16

### EL1537BIREZ

Renesas Technology Corp

TSSOP-28

### HA1-2546-5

Renesas Technology Corp

CDIP16

### HA3-2556-9

Renesas Technology Corp

DIP-16