

QS33X257Q1G





**Part Number:** [QS33X257Q1G](#)

**Manufacturer** [IDT \(Integrated Device Technology\)](#)

**Description** IC MUX/DEMUX QUAD 1X2 48QVSOP

**Data sheet:**  [IDTQS33X257](#)  
 [IDT Suffixes](#)

**RoHs Status:** Lead free / RoHS Compliant

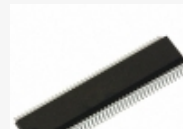
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                    |                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------|-------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | QS33X257Q1G                               | Manufacturer                       | <a href="#">IDT (Integrated Device Technology)</a>          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MUX/DEMUX QUAD 1X2 48QVSOP             | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 34062 pcs                                 | Data sheet                         | <a href="#">IDTQS33X257</a><br><a href="#">IDT Suffixes</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single (V+)      | 5V                                                          |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Switch Time (Ton, Toff) (Max)      | 5.2ns, 4.8ns                                                |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                         | Supplier Device Package            | 48-QSOP                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                                         | Packaging                          | Tube                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 48-FSOP (0.154", 3.90mm Width)            | Other Names                        | IDTQS33X257Q1G<br>IDTQS33X257Q1G-ND                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                         | On-State Resistance (Max)          | 15 Ohm                                                      |
| Number of Circuits                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                         | Multiplexer/Demultiplexer Circuit  | 8:4                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 (Unlimited)                             | Manufacturer Standard Lead Time    | 10 Weeks                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lead free / RoHS Compliant                | Detailed Description               | 3 Circuit IC Switch 8:4 15 Ohm 48-QSOP                      |
| Current - Leakage (IS(off)) (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1µA                                       | Crosstalk                          | -                                                           |
| Charge Injection                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Channel-to-Channel Matching (ΔRon) | -                                                           |
| Channel Capacitance (CS(off), CD(off))                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10pF                                      | Base Part Number                   | IDTQS33X257                                                 |
| -3db Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                         |                                    |                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                                   |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">QS3306AS1G8</a><br>Description: IC BUS SWITCH QUICK CMOS 8-SOIC      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS3384PAG8</a><br>Description: IC BUS SWITCH 10BIT CMOS 24TSSOP      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS34X2245Q3G</a><br>Description: IC BUS SWITCH 32BIT CMOS 80QVSOP    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS34XVH2245Q3G8</a><br>Description: IC EXCHANGE SW 32BIT BUS 80QVSOP | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS3383QG</a><br>Description: IC EXCHANGE SW 10BIT BUS 24-QSOP        | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS34X245Q3G8</a><br>Description: IC QUICKSWITCH 32BIT BUS 80QVSOP    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS34XVH245Q3G</a><br>Description: IC QUICKSWITCH 32BIT BUS 80QVSOP   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS3390QG</a><br>Description: IC MUX 16:8 QUICKSWITCH 28-QSOP         | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS33X257Q1G8</a><br>Description: IC MUX/DEMUX QUAD 1X2 48QVSOP       | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS3306AS1G</a><br>Description: IC BUS SWITCH DUAL HS 8SOIC           | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS34XVH2245Q3G</a><br>Description: IC BUS SWITCH 32BIT CMOS 80QVSOP  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS3383QG8</a><br>Description: IC BUS EXCH SWITCH CMOS 24-QSOP        | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS3384QG8</a><br>Description: IC BUS SWITCH 10BIT CMOS 24-QSOP       | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS34X383Q3G8</a><br>Description: IC EXCHANGE SW 32BIT BUS 80QVSOP    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS34X245Q3G</a><br>Description: IC BUS SWITCH 32BIT CMOS 80QVSOP     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS3384QG</a><br>Description: IC BUS SWITCH 10BIT HS 24QSOP           | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS34X383Q3G</a><br>Description: IC BUS EXCH SWITCH CMOS 80-QVSOP     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS34X2245Q3G8</a><br>Description: IC QUICKSWITCH 32BIT BUS 80QVSOP   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS3384PAG</a><br>Description: IC BUS SWITCH 10BIT HS 24TSSOP         | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS3390QG8</a><br>Description: MUX 16:8 SH QUICKSWITCH 28-QSOP        | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |

Related keywords for QS33X257Q1G

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|                                                |                         |                                                | QS33X257Q1G                           |
| Integrated Device Technology (IDT) QS33X257Q1G |                         |                                                |                                       |

