

QS4A101QG8



Integrated Device Technology

Part Number: [QS4A101QG8](#)

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

Description: IC SWITCH QUAD SPST 16QSOP

Data sheet:  [IDTQS4A101](#)

RoHs Status: Lead free / RoHS Compliant

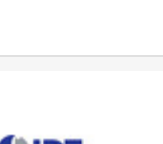
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                    |                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------|----------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QS4A101QG8                                | Manufacturer                       | <a href="#">IDT (Integrated Device Technology)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC SWITCH QUAD SPST 16QSOP                | Lead Free Status / RoHS Status     | Lead free / RoHS Compliant                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 76673 pcs                                 | Data sheet                         | <a href="#">IDTQS4A101</a>                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Single (V+)      | 5V                                                 |
| Voltage - Supply, Dual (V±)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Switch Time (Ton, Toff) (Max)      | 6.5ns, 6ns                                         |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SPST - NO                                 | Supplier Device Package            | 16-QSOP                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                         | Packaging                          | Tape & Reel (TR)                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16-SSOP (0.154", 3.90mm Width)            | Other Names                        | IDTQS4A101QG8<br>IDTQS4A101QG8-ND                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 85°C (TA)                         | On-State Resistance (Max)          | 17 Ohm                                             |
| Number of Circuits                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                                         | Multiplexer/Demultiplexer Circuit  | 1:1                                                |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 (Unlimited)                             | Manufacturer Standard Lead Time    | 10 Weeks                                           |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                | Detailed Description               | 4 Circuit IC Switch 1:1 17 Ohm 16-QSOP             |
| Current - Leakage (IS(off)) (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1nA                                       | Crosstalk                          | -75dB @ 30MHz                                      |
| Charge Injection                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.5pC                                     | Channel-to-Channel Matching (ΔRon) | -                                                  |
| Channel Capacitance (CS(off), CD(off))                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5pF                                       | Base Part Number                   | IDTQS4A101                                         |
| -3db Bandwidth                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.4GHz                                    |                                    |                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                                   |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">QS40.484</a><br>Description: DIN RAIL PWR SUPPLY 960W 48V 20A    | Manufacturers: <a href="#">PULS</a>                               | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A110QG</a><br>Description: IC SWITCH 24QSOP                   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A105QG</a><br>Description: IC SWITCH DUAL 4PST 20QSOP         | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A205QG</a><br>Description: IC MUX/DEMUX QUAD SPDT 16QSOP      | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A201QG</a><br>Description: IC CROSSPOINT SWITCH DUAL 24QSOP   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS40.361</a><br>Description: DIN RAIL PSU 480W 36V 13.3A         | Manufacturers: <a href="#">PULS</a>                               | <div>RFQ</div> |
|  | Part#: <a href="#">QS40.481</a><br>Description: DIN RAIL PWR SUPPLY 960W 48V 20A    | Manufacturers: <a href="#">PULS</a>                               | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A101QG</a><br>Description: IC SWITCH QUAD SPST 16QSOP         | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">5962-9204102MEA</a><br>Description: IC SWITCH SPST QUAD 16CERDIP | Manufacturers: <a href="#">Maxim Integrated</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A210QG8</a><br>Description: IC SWITCH DUAL SP4T 16QSOP        | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A201QG8</a><br>Description: IC CROSSPOINT SWITCH 4X1 24QSOP   | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A105QG8</a><br>Description: IC SWITCH DUAL 4PST 20QSOP        | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A205QG8</a><br>Description: IC MUX/DEMUX QUAD SPDT 16QSOP     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A210QG</a><br>Description: IC SWITCH DUAL SP4T 16QSOP         | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A215Q1G8</a><br>Description: IC MUX/DEMUX DUAL 4X1 48QVSOP    | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A110QG8</a><br>Description: IC SWITCH 24QSOP                  | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">QS4A215Q1G</a><br>Description: IC MUX/DEMUX DUAL 4X1 48QVSOP     | Manufacturers: <a href="#">IDT (Integrated Device Technology)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX4513CPE</a><br>Description: IC SW QUAD ANLG R/R SPST 16-DIP   | Manufacturers: <a href="#">Maxim Integrated</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">QS40.241</a><br>Description: DIN RAIL PWR SUPPLY 960W 24V 40A    | Manufacturers: <a href="#">PULS</a>                               | <div>RFQ</div> |
|  | Part#: <a href="#">QS40.244</a><br>Description: DIN RAIL PWR SUPPLY 960W 24V 40A    | Manufacturers: <a href="#">PULS</a>                               | <div>RFQ</div> |

Related keywords for **QS4A101QG8**

|                                               |                        |                                               |                                       |
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| QS4A101QG8 download datasheet                 | QS4A101QG8 datasheet   | QS4A101QG8 stock                              | buy QS4A101QG8                        |
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