

ISL6610IRZ





**Part Number:** [ISL6610IRZ](#)

**Manufacturer** [Intersil](#)

**Description** IC MOSFET DRVR DUAL SYNC 16-QFN

**Data sheet:**  [ISL6610\(A\)](#)

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

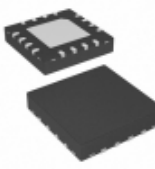
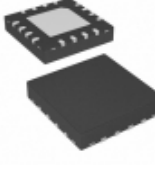
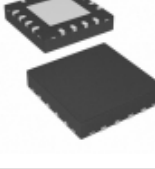
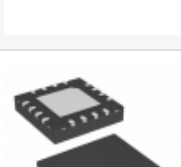
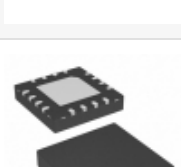
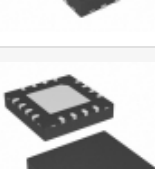
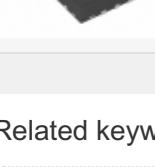
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                             | ISL6610IRZ                                | Manufacturer                   | <a href="#">Intersil</a>                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MOSFET DRVR DUAL SYNC 16-QFN           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                      | 4342 pcs                                  | Data sheet                     | <a href="#">ISL6610(A)</a>                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 4.5 V ~ 5.5 V                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                 | 16-QFN (4x4)                              | Series                         | -                                                     |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                  | 8ns, 8ns                                  | Packaging                      | Tube                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                          | 16-VQFN Exposed Pad                       | Operating Temperature          | -40°C ~ 125°C (TJ)                                    |
| Number of Drivers                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                                         | Mounting Type                  | Surface Mount                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                        | 1 (Unlimited)                             | Logic Voltage - VIL, VIH       | -                                                     |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                          | Lead free / RoHS Compliant                | Input Type                     | Non-Inverting                                         |
| High Side Voltage - Max (Bootstrap)                                                                                                                                                                                                                                                                                                                                                                                                     | 36V                                       | Gate Type                      | N-Channel MOSFET                                      |
| Driven Configuration                                                                                                                                                                                                                                                                                                                                                                                                                    | Half-Bridge                               | Detailed Description           | Half-Bridge Gate Driver IC Non-Inverting 16-QFN (4x4) |
| Current - Peak Output (Source, Sink)                                                                                                                                                                                                                                                                                                                                                                                                    | -, 4A                                     | Channel Type                   | Synchronous                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                        | ISL6610                                   |                                |                                                       |
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| RELATED PRODUCTS                                                                   |                                               |                                         |     |
|------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------|-----|
|  | Part#: <a href="#">ISL6610IRZ-T</a>           | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 16-QFN  |                                         |     |
|  | Part#: <a href="#">ISL6612ACB-T</a>           | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR SYNC BUCK 8-SOIC  |                                         |     |
|  | Part#: <a href="#">ISL6611ACRZ-T</a>          | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC REG CTRLR DOUBLER PWM 16-QFN  |                                         |     |
|  | Part#: <a href="#">ISL6610AIBZ-T</a>          | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 14-SOIC |                                         |     |
|  | Part#: <a href="#">ISL6610CRZ</a>             | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 16-QFN  |                                         |     |
|  | Part#: <a href="#">ISL6610AIBZ</a>            | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 14-SOIC |                                         |     |
|  | Part#: <a href="#">ISL6610CRZ-T</a>           | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 16-QFN  |                                         |     |
|  | Part#: <a href="#">ISL6610CBZ</a>             | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 14-SOIC |                                         |     |
|  | Part#: <a href="#">ISL6611ACRZ</a>            | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC REG CTRLR DOUBLER PWM 16-QFN  |                                         |     |
|  | Part#: <a href="#">ISL6612ACBZ-T</a>          | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR SYNC BUCK 8-SOIC  |                                         |     |
|  | Part#: <a href="#">ISL6610IBZ</a>             | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 14-SOIC |                                         |     |
|  | Part#: <a href="#">ISL6612ACBZ-TR5214</a>     | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR SYNC BUCK 8-SOIC  |                                         |     |
|  | Part#: <a href="#">ISL6612ACB</a>             | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR SYNC BUCK 8-SOIC  |                                         |     |
|  | Part#: <a href="#">ISL6610AIRZ-T</a>          | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 16-QFN  |                                         |     |
|  | Part#: <a href="#">ISL6610CBZ-T</a>           | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 14-SOIC |                                         |     |
|  | Part#: <a href="#">ISL6610IBZ-T</a>           | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 14-SOIC |                                         |     |
|  | Part#: <a href="#">ISL6611AIRZ-T</a>          | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC REG CTRLR DOUBLER PWM 16-QFN  |                                         |     |
|  | Part#: <a href="#">ISL6612ACBZ</a>            | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC DRIVER MOSFET SYNC BUCK 8SOIC |                                         |     |
|  | Part#: <a href="#">ISL6611AIRZ</a>            | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC REG CTRLR DOUBLER PWM 16-QFN  |                                         |     |
|  | Part#: <a href="#">ISL6610AIRZ</a>            | Manufacturers: <a href="#">Intersil</a> | RFQ |
|                                                                                    | Description: IC MOSFET DRVR DUAL SYNC 16-QFN  |                                         |     |

| Related keywords for ISL6610IRZ |                        |                     |                  |
|---------------------------------|------------------------|---------------------|------------------|
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| Intersil ISL6610IRZ             |                        |                     |                  |