

ISL6594DCBZ-T



A Renesas Company

Part Number: [ISL6594DCBZ-T](#)

Manufacturer: [Intersil](#)

Description: IC MOSFET DRVR SYNC BUCK 8-SOIC

Data sheet:  [ISL6594D](#)

RoHs Status: Lead free / RoHS Compliant

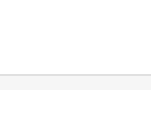
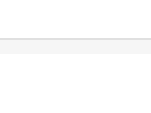
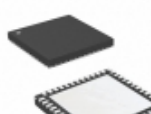
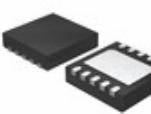
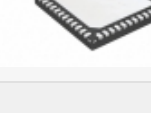
Ship From: Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
Buy ISL6594DCBZ-T with confidence from Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                |                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | ISL6594DCBZ-T                             | Manufacturer                   | <a href="#">Intersil</a>                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                | IC MOSFET DRVR SYNC BUCK 8-SOIC           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                         | 5171 pcs                                  | Data sheet                     | <a href="#">ISL6594D</a>                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 6.8 V ~ 13.2 V                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                    | 8-SOIC                                    | Series                         | -                                               |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                     | 26ns, 18ns                                | Packaging                      | Tape & Reel (TR)                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                             | 8-SOIC (0.154", 3.90mm Width)             | Operating Temperature          | 0°C ~ 125°C (TJ)                                |
| Number of Drivers                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                         | Mounting Type                  | Surface Mount                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                           | 3 (168 Hours)                             | 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 8-SOIC |
| Current - Peak Output (Source, Sink)                                                                                                                                                                                                                                                                                                                                                                                                       | 1.25A, 2A                                 | Channel Type                   | Synchronous                                     |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                           | ISL6594                                   |                                |                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                         |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------|----------------|
|  | Part#: <a href="#">ISL6594DCRZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN  | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ISL6594BCRZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN    | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594BCBZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC  | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594BCBZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC    | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594BCRZ-T</a><br>Description: IC MOSFET DVR SYNC BUCK 10-DFN   | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ISL6594DCBZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC    | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6596CRZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN   | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6595DRZ</a><br>Description: IC DIGITL MULTIPHASE CTRLR 48QFN    | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594ACRZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN  | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6595DRZ-TK</a><br>Description: IC DIGITL MULTIPHASE CTRLR 48QFN | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6596CRZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN     | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6596CBZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC     | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6596IBZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC     | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594BCR</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN     | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594DCRZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN    | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6595DRZ-T</a><br>Description: IC DIGITL MULTIPHASE CTRLR 48QFN  | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |

| Related keywords for ISL6594DCBZ-T |                           |                        |                     |
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| Intersil ISL6594DCBZ-T             | ISL6594DCBZ-T distributor | ISL6594DCBZ-T supplier | ISL6594DCBZ-T price |
| ISL6594DCBZ-T download datasheet   | ISL6594DCBZ-T datasheet   | ISL6594DCBZ-T stock    | buy ISL6594DCBZ-T   |
| Intersil ISL6594DCBZ-T             |                           |                        |                     |