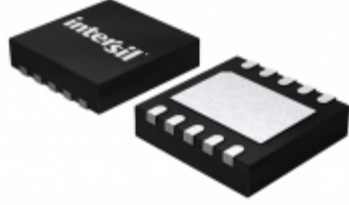


ISL6594ACR-T





A Renesas Company

Part Number: [ISL6594ACR-T](#)

Manufacturer [Intersil](#)

Description IC MOSFET DRVR SYNC BUCK 10-DFN

Data sheet:  [ISL6594A](#), [ISL6594B](#)

RoHS Status: Contains lead / RoHS non-compliant

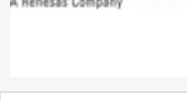
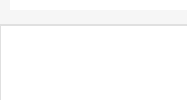
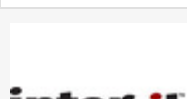
Ship From: Hong Kong

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                                                                                                                                                                                                                                                                                                                                                                                                                                  | ISL6594ACR-T                              | Manufacturer                   | <a href="#">Intersil</a>                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MOSFET DRVR SYNC BUCK 10-DFN           | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                           | 4460 pcs                                  | Data sheet                     | <a href="#">ISL6594A</a> , <a href="#">ISL6594B</a>   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 10.8 V ~ 13.2 V                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                      | 10-DFN (3x3)                              | Series                         | -                                                     |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                       | 26ns, 18ns                                | Packaging                      | Tape & Reel (TR)                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                               | 10-VDFDN Exposed Pad                      | Operating Temperature          | 0°C ~ 125°C (TJ)                                      |
| Number of Drivers                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                         | Mounting Type                  | Surface Mount                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                             | 1 (Unlimited)                             | Logic Voltage - VIL, VIH       | -                                                     |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                               | Contains lead / RoHS non-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 10-DFN (3x3) |
| Current - Peak Output (Source, Sink)                                                                                                                                                                                                                                                                                                                                                                                                         | 1.25A, 2A                                 | Channel Type                   | Synchronous                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                             | ISL6594                                   |                                |                                                       |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Intersil series electronic components. We have 4460 pieces of Intersil ISL6594ACR-T in stock available now.<br>Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                |                                                       |

| RELATED PRODUCTS                                                                   |                                                                                           |                                         |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------|----------------|
|  | 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="#">ISL6592DNZ-TR5196</a><br>Description: IC DIGTL MULTIPHASE CTRLR 48LQFP | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594ACR</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN         | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6590DR-T</a><br>Description: IC REG CTRLR BUCK ASI 64QFN            | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594BCR-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN       | 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="#">ISL6594BCB</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC         | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6580CR</a><br>Description: IC DRIVER HIGH SIDE FET 56-QFN           | 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="#">ISL6580CR-T</a><br>Description: IC DRIVER HIGH SIDE FET 56-QFN         | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6592DNZ-T</a><br>Description: IC DIGTL MULTIPHASE CTRLR 48LQFP      | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594ACB-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC       | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594ACRZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594BCB-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC       | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594ACBZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL6594ACBZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC      | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | 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="#">ISL6594ACB</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> |

Related keywords for ISL6594ACR-T

|                                 |                          |                       |                    |
|---------------------------------|--------------------------|-----------------------|--------------------|
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