

ISL6565BCBZ



A Renesas Company

Part Number: [ISL6565BCBZ](#)

Manufacturer: [Intersil](#)

Description: IC REG CTRLR BUCK 28SOIC

Data sheet:  [ISL6565\(A,B\)](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                            |                                           |                                |                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                  | ISL6565BCBZ                               | Manufacturer                   | <a href="#">Intersil</a>                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                  | IC REG CTRLR BUCK 28SOIC                  | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                           | 4741 pcs                                  | Data sheet                     | <a href="#">ISL6565(A,B)</a>                                         |
| Category                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4.75 V ~ 5.25 V                                                      |
| Topology                                                                                                                                                                                                                                                                                                                                                                                     | Buck                                      | Synchronous Rectifier          | -                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                      | 28-SOIC                                   | Series                         | -                                                                    |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                            | -                                         | Packaging                      | Tube                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                               | 28-SOIC (0.295", 7.50mm Width)            | Output Type                    | PWM Signal                                                           |
| Output Phases                                                                                                                                                                                                                                                                                                                                                                                | 3                                         | Output Configuration           | Positive                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                        | 0°C ~ 105°C (TA)                          | Number of Outputs              | 3                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                           |
| Function                                                                                                                                                                                                                                                                                                                                                                                     | Step-Down                                 | Frequency - Switching          | 80kHz ~ 1.5MHz                                                       |
| Duty Cycle (Max)                                                                                                                                                                                                                                                                                                                                                                             | 66.7%                                     | Detailed Description           | Buck Regulator Positive Output Step-Down DC-DC Controller IC 28-SOIC |
| Control Features                                                                                                                                                                                                                                                                                                                                                                             | Enable, Frequency Control, Power Good     | Clock Sync                     | No                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                             | ISL6565B                                  |                                |                                                                      |
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