

S-8333TCDC-T8T1U



**Part Number:** [S-8333TCDC-T8T1U](#)

**Manufacturer:** [SII Semiconductor Corporation](#)

**Description:** IC REG CTRLR BOOST 8TSSOP

**Data sheet:**

**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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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                     |                                 |                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | S-8333TCDC-T8T1U                                                    | Manufacturer                    | <a href="#">SII Semiconductor Corporation</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                | IC REG CTRLR BOOST 8TSSOP                                           | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                         | 101260 pcs                                                          | Data sheet                      |                                               |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>                           | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 6 V                                   |
| Topology                                                                                                                                                                                                                                                                                                                                                                                                                                   | Boost                                                               | Synchronous Rectifier           | No                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                    | 8-TSSOP                                                             | Series                          | -                                             |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                   | Packaging                       | Tape & Reel (TR)                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                             | 8-TSSOP (0.173", 4.40mm Width)                                      | Output Type                     | Transistor Driver                             |
| Output Phases                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                   | Output Configuration            | Positive                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°C (TA)                                                   | Number of Outputs               | 1                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                           | 1 (Unlimited)                                                       | Manufacturer Standard Lead Time | 20 Weeks                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                                          | Function                        | Step-Up                                       |
| Frequency - Switching                                                                                                                                                                                                                                                                                                                                                                                                                      | 280kHz ~ 1.08MHz                                                    | Duty Cycle (Max)                | 89%                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                       | Boost Regulator Positive Output Step-Up DC-DC Controller IC 8-TSSOP | Control Features                | Current Limit, Frequency Control              |
| Clock Sync                                                                                                                                                                                                                                                                                                                                                                                                                                 | No                                                                  |                                 |                                               |
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|   | Part#: <a href="#">S-8335A120FT-TB-G</a><br>Description: IC REG BUCK BST INV ADJ 24TSSOP | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8335A240FT-TB-G</a><br>Description: IC REG BUCK BST INV ADJ 24TSSOP | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8333CBAC-I8T1G</a><br>Description: IC REG CTRLR BOOST               | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8335A160FT-TB-G</a><br>Description: IC REG BUCK BST INV ADJ 24TSSOP | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8333TCIA-T8T1U</a><br>Description: IC REG CTRLR BOOST 8TSSOP        | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8333ACIA-T8T1G</a><br>Description: IC REG CTRLR BOOST 8TSSOP        | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8333CCBC-T8T1U</a><br>Description: IC REG CTRLR BOOST 8TSSOP        | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8333ACIC-T8T1G</a><br>Description: IC REG CTRLR BOOST 8TSSOP        | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8333CBDA-I8T1G</a><br>Description: IC REG CTRLR BOOST               | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
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|   | Part#: <a href="#">S-8333ACIB-T8T1G</a><br>Description: IC REG CTRLR BOOST 8TSSOP        | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8337AAAB-P8T1G</a><br>Description: IC REG CTRLR BOOST 8SON          | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
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|   | Part#: <a href="#">S-8333CBDA-T8T1U</a><br>Description: IC REG CTRLR BOOST 8TSSOP        | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8335A200FT-TB-G</a><br>Description: IC REG BUCK BST INV ADJ 24TSSOP | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8337AAAA-P8T1G</a><br>Description: IC REG CTRLR BOOST 8SON          | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|   | Part#: <a href="#">S-8333TCDB-T8T1U</a><br>Description: IC REG CTRLR BOOST 8TSSOP        | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
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