

LT3970EDDB-3.42#TRMPBF



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Part Number: [LT3970EDDB-3.42#TRMPBF](#)

Manufacturer: [ADI \(Analog Devices, Inc.\)](#)

Description: IC REG BUCK 3.42V 535MA 10-DFN

Data sheet:

 [Mac OS X Shortcuts](#)

 [LTspice Flyer](#)

 [LTspice IV Getting Started Guide](#)

 [LT3970 Datasheet](#)

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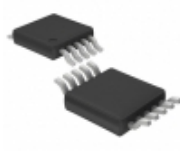
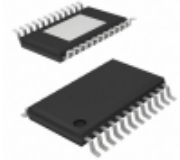
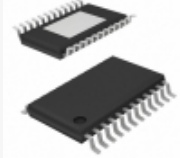
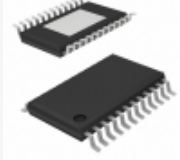
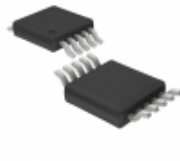
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                 |                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LT3970EDDB-3.42#TRMPBF                    | Manufacturer                    | <a href="#">ADI (Analog Devices, Inc.)</a>                                                                                                                                                                                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC REG BUCK 3.42V 535MA 10-DFN            | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 36963 pcs                                 | Data sheet                      | <a href="#">Mac OS X Shortcuts</a><br><a href="#">LTspice Flyer</a><br><a href="#">LTspice IV Getting Started Guide</a><br><a href="#">LT3970 Datasheet</a><br><a href="#">LTpowerCAD II User Guide</a><br><a href="#">LTpowerCAD II Quick Start Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Output (Min/Fixed)    | 3.42V                                                                                                                                                                                                                                                      |
| Voltage - Output (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Voltage - Input (Min)           | 4.2V                                                                                                                                                                                                                                                       |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 40V                                       | Topology                        | Buck                                                                                                                                                                                                                                                       |
| Synchronous Rectifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No                                        | Supplier Device Package         | 10-DFN (3x2)                                                                                                                                                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                         | Packaging                       | Tape & Reel (TR)                                                                                                                                                                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10-WDFDN Exposed Pad                      | Output Type                     | Fixed                                                                                                                                                                                                                                                      |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Positive                                  | Operating Temperature           | -40°C ~ 125°C (TJ)                                                                                                                                                                                                                                         |
| Number of Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                                         | Mounting Type                   | Surface Mount                                                                                                                                                                                                                                              |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                             | Manufacturer Standard Lead Time | 10 Weeks                                                                                                                                                                                                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                | Function                        | Step-Down                                                                                                                                                                                                                                                  |
| Frequency - Switching                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 200kHz ~ 2.25MHz                          | Detailed Description            | Buck Switching Regulator IC Positive Fixed 3.42V 1 Output 535mA (Switch) 10-WDFDN Exposed Pad                                                                                                                                                              |
| Current - Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 535mA (Switch)                            | Base Part Number                | LT3970                                                                                                                                                                                                                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                             |                                                           |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
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|  | Part#: <a href="#">LT3970EDDB-3.3#TRMPBF</a><br>Description: IC REG BUCK 3.3V 535MA 10DFN   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LT3965IFE#TRPBF</a><br>Description: IC LED BYPASS SWITCH 28TSSOP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3965EFE-1#TRPBF</a><br>Description: IC LED BYPASS SWITCH 28TSSOP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3965IFE-1#TRPBF</a><br>Description: IC LED BYPASS SWITCH 28TSSOP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3965IFE-1#PBF</a><br>Description: IC LED BYPASS SWITCH 28TSSOP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EMS-3.3#TRPBF</a><br>Description: IC REG BUCK 3.3V 535MA 10MSOP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970HMS#PBF</a><br>Description: IC REG BUCK ADJ 535MA 10MSOP           | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EMS-5#PBF</a><br>Description: IC REG BUCK 5V 535MA 10MSOP          | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3965IFE#PBF</a><br>Description: IC LED BYPASS SWITCH 28TSSOP           | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LT3970EDDB-5#TRMPBF</a><br>Description: IC REG BUCK 5V 535MA 10DFN       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LT3965IFE</a><br>Description: IC REGULATOR                               | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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