

LTC2353ILX-16#PBF





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Part Number: [LTC2353ILX-16#PBF](#)

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

Description: BUFFERED DUAL, 16-BIT, 550KSPS D

Data sheet:  [LTC2353-16 Datasheet](#)

RoHS Status: RoHS Compliant

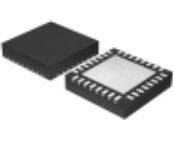
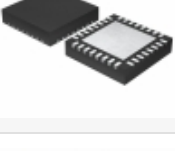
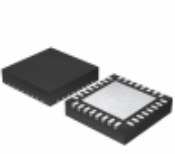
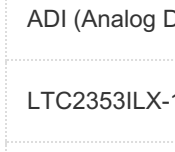
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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                  |                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LTC2353ILX-16#PBF                         | Manufacturer                     | <a href="#">ADI (Analog Devices, Inc.)</a>                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BUFFERED DUAL, 16-BIT, 550KSPS D          | Lead Free Status / RoHS Status   | RoHS Compliant                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5155 pcs                                  | Data sheet                       | <a href="#">LTC2353-16 Datasheet</a>                           |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital        | 4.75 V ~ 5.25 V                                                |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7.5 V ~ 38 V                              | Supplier Device Package          | 48-LQFP (7x7)                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SoftSpan™                                 | Sampling Rate (Per Second)       | 550k                                                           |
| RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | RoHS Compliant                            | Reference Type                   | Internal                                                       |
| Ratio - S/H:ADC                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2:1                                       | Packaging                        | Tray                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 48-LQFP                                   | Operating Temperature            | -40°C ~ 85°C                                                   |
| Number of Inputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                                         | Number of Bits                   | 16                                                             |
| Number of A/D Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                  |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8 Weeks                                   | Input Type                       | Differential, Pseudo-Differential, Single Ended                |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Simultaneous Sampling                     | Detailed Description             | 16 Bit Analog to Digital Converter 2 Input 1 SAR 48-LQFP (7x7) |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LVDS - Serial, SPI                        | Configuration                    | S/H-MUX-ADC                                                    |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LTC2353                                   | Architecture                     | SAR                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                           |                                                           |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
|  | Part#: <a href="#">LTC2355CMSE-12#PBF</a><br>Description: IC ADC 12BIT 3.5MSPS 10-MSOP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2351IUH-12#TRPBF</a><br>Description: IC ADC 12BIT 1.5MSPS 32-QFN    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2355CMSE-12#TRPBF</a><br>Description: IC ADC 12BIT 3.5MSPS 10-MSOP  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2351IUH-14#PBF</a><br>Description: IC ADC 14BIT 1.5MSPS 32-QFN      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2355IMSE-12#PBF</a><br>Description: IC ADC 12BIT 3.5MSPS 10-MSOP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2355IMSE-12#TRPBF</a><br>Description: IC ADC 12BIT 3.5MSPS 10-MSOP  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2353HLX-18#PBF</a><br>Description: BUFFERED DUAL, 18-BIT, 550KSPS D | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2355IMSE-14#TRPBF</a><br>Description: IC ADC 14BIT 3.5MSPS 10-MSOP  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LTC2353CLX-16#PBF</a><br>Description: BUFFERED DUAL, 16-BIT, 550KSPS D | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2355IMSE-14#PBF</a><br>Description: IC ADC 14BIT 3.5MSPS 10-MSOP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2351HUH-14#PBF</a><br>Description: IC ADC 14BIT 1.5MSPS 32-QFN      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2355CMSE-14#TRPBF</a><br>Description: IC ADC 14BIT 3.5MSPS 10-MSOP  | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2353ILX-18#PBF</a><br>Description: BUFFERED DUAL, 18-BIT, 550KSPS D | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2356CMSE-12#PBF</a><br>Description: IC ADC 12BIT 3.5MSPS 10-MSOP    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2351HUH-14#TRPBF</a><br>Description: IC ADC 14BIT 1.5MSPS 32-QFN    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2353CLX-18#PBF</a><br>Description: BUFFERED DUAL, 18-BIT, 550KSPS D | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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Related keywords for LTC2353ILX-16#PBF

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