

AD9142BCPZRL



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Part Number: [AD9142BCPZRL](#)

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

Description: IC DAC 16BIT SPI/SRL 72LFCSP

Data sheet:  [AD9142](#)

RoHs Status: Lead free / RoHS Compliant

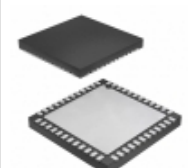
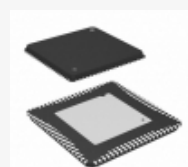
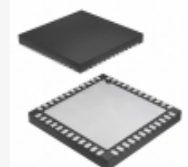
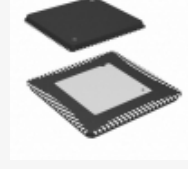
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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |                                  |                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------|--------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AD9142BCPZRL                                             | Manufacturer                     | <a href="#">ADI (Analog Devices, Inc.)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC DAC 16BIT SPI/SRL 72LFCSP                             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1883 pcs                                                 | Data sheet                       | <a href="#">AD9142</a>                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                | Voltage - Supply, Digital        | 1.7 V ~ 1.9 V                              |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3.13 V ~ 3.47 V                                          | Supplier Device Package          | 72-LFCSP-VQ (10x10)                        |
| Settling Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20ns (Typ)                                               | Series                           | TxDAC+®                                    |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                | External, Internal                                       | Packaging                        | Tape & Reel (TR)                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 72-VFQFN Exposed Pad, CSP                                | Output Type                      | Current - Unbuffered                       |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AD9142BCPZRL-ND<br>AD9142BCPZRLTR                        | Operating Temperature            | -40°C ~ 85°C                               |
| Number of D/A Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2                                                        | Number of Bits                   | 16                                         |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Surface Mount                                            | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                              |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10 Weeks                                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                 |
| INL/DNL (LSB)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ±3.7, ±2.1                                               | Differential Output              | Yes                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16 Bit Digital to Analog Converter 2 72-LFCSP-VQ (10x10) | Data Interface                   | LVDS - Parallel                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                              | AD9142                                                   | Architecture                     | Oversampling Interpolating DAC             |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all ADI (Analog Devices, Inc.) series electronic components. We have 1883 pieces of ADI (Analog Devices, Inc.) AD9142BCPZRL in stock available now. 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="#">AD9144-M6720-EBZ</a><br>Description: EVAL BOARD FOR AD9144           | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9142BCPZ</a><br>Description: IC DAC 16BIT SPI/SRL 72-LFCSP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9146-M5375-EBZ</a><br>Description: EVAL BOARD FOR AD9146 ADL5375   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9144BCPZRL</a><br>Description: IC DAC QUAD 16BIT 2.8GSPS 88LFCS    | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9146BCPZ</a><br>Description: IC DAC 16BIT SRL DUAL 48LFCSP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9144BCPAZ</a><br>Description: IC DAC QUAD 16BIT 2.8GSPS 88LFCS     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9139BCPZ</a><br>Description: IC DAC 16BIT 1600MSPS 72LFCSP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9142-M5375-EBZ</a><br>Description: EVAL BOARD FOR AD9142 ADL5375   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9144-EBZ</a><br>Description: EVAL BOARD FOR AD9144                 | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9142A-M5372-EBZ</a><br>Description: EVAL BOARD FOR AD9142A ADL5372 | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9142ABCPZ</a><br>Description: IC DAC 16BIT SPI/SRL 72LFCSP         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9139-EBZ</a><br>Description: BOARD EVAL FOR AD9139                 | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9144BCPZ</a><br>Description: IC DAC QUAD 16BIT 2.8GSPS 88LFCS      | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9142-M5372-EBZ</a><br>Description: EVAL BOARD FOR AD9142 ADL5372   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9144-FMC-EBZ</a><br>Description: EVAL BOARD FOR AD9144             | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9146BCPZRL</a><br>Description: IC DAC 16BIT SRL DUAL 48LFCSP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9142ABCPZRL</a><br>Description: IC DAC 16BIT SPI/SRL 72LFCSP       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9142A-M5375-EBZ</a><br>Description: EVAL BOARD FOR AD9142A ADL5375 | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9139BCPZRL</a><br>Description: IC DAC 16BIT 1.6GSPS SINGLE         | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |
|  | Part#: <a href="#">AD9144BCPAZRL</a><br>Description: IC DAC QUAD 16BIT 2.8GSPS 88LFCS   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | RFQ |

Related keywords for **AD9142BCPZRL**

|                                         |                          |                                         |                                  |
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