

LTC2641IMS8-14#PBF



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Part Number: [LTC2641IMS8-14#PBF](#)

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

Description: IC DAC 14BIT VOUT 8-MSOP

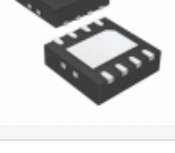
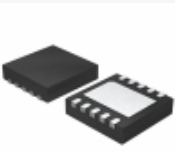
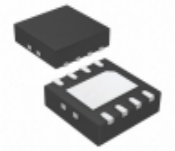
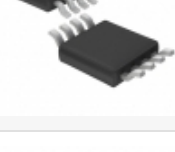
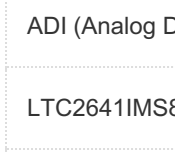
Data sheet:  [Mac OS X Shortcuts](#)  
 [LTspice Flyer](#)  
 [LTspice IV Getting Started Guide](#)  
 [LTC2641, LTC2642 Datasheet](#)  
 [DC2026C Demo Manual](#)

RoHS Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                 |                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LTC2641IMS8-14#PBF                        | Manufacturer                    | <a href="#">ADI (Analog Devices, Inc.)</a>                                                                                                                                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC DAC 14BIT VOUT 8-MSOP                  | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11564 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="#">LTC2641, LTC2642 Datasheet</a><br><a href="#">DC2026C Demo Manual</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital       | 2.7 V ~ 5.5 V                                                                                                                                                                                                |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.7 V ~ 5.5 V                             | Supplier Device Package         | 8-MSOP                                                                                                                                                                                                       |
| Settling Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1µs (Typ)                                 | Series                          | -                                                                                                                                                                                                            |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | External                                  | Packaging                       | Tube                                                                                                                                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)    | Output Type                     | Voltage - Unbuffered                                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -40°C ~ 85°C                              | Number of D/A Converters        | 1                                                                                                                                                                                                            |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 14                                        | Mounting Type                   | Surface Mount                                                                                                                                                                                                |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 (Unlimited)                             | Manufacturer Standard Lead Time | 8 Weeks                                                                                                                                                                                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Lead free / RoHS Compliant                | INL/DNL (LSB)                   | ±0.5, ±0.5                                                                                                                                                                                                   |
| Differential Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No                                        | Detailed Description            | 14 Bit Digital to Analog Converter 1 8-MSOP                                                                                                                                                                  |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPI                                       | Base Part Number                | LTC2641                                                                                                                                                                                                      |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | R-2R                                      |                                 |                                                                                                                                                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                           |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
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|  | Part#: <a href="#">LTC2642ACMS-16#TRPBF</a><br>Description: IC DAC 16BIT V-OUT 10-MSOP | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2641CMS8-16#PBF</a><br>Description: IC DAC 16BIT VOUT 8-MSOP     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2641IDD-14#TRPBF</a><br>Description: IC DAC 14BIT VOUT 8-DFN     | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">LTC2642AIDD-16#TRPBF</a><br>Description: IC DAC 16BIT VOUT 10-DFN   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2641IDD-12#PBF</a><br>Description: IC DAC 12BIT VOUT 8-DFN       | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2641CMS8-16#TRPBF</a><br>Description: IC DAC 16BIT VOUT 8-MSOP   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LTC2642ACMS-16#PBF</a><br>Description: IC DAC 16BIT V-OUT 10-MSOP   | Manufacturers: <a href="#">ADI (Analog Devices, Inc.)</a> | <div>RFQ</div> |
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