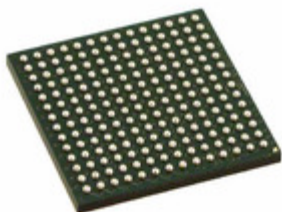


DSP56311VF150R2



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [DSP56311VF150R2](#)

**Manufacturer** [NXP Semiconductors / Freescale](#)

**Description** IC DSP 24BIT 150MHZ 196-BGA

**Data sheet:**  [DSP56311](#)

**RoHs Status:** Contains lead / RoHS non-compliant

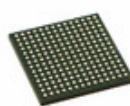
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| PRODUCT PARAMETER              |                                           |                                  |                                                |
|--------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                    | DSP56311VF150R2                           | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                    | IC DSP 24BIT 150MHZ 196-BGA               | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant             |
| Quantity Available             | 5281 pcs                                  | Data sheet                       | <a href="#">DSP56311</a>                       |
| Category                       | <a href="#">Integrated Circuits (ICs)</a> | Voltage - I/O                    | 3.30V                                          |
| Voltage - Core                 | 1.80V                                     | Type                             | Fixed Point                                    |
| Supplier Device Package        | 196-MAPBGA (15x15)                        | Series                           | DSP56K/Symphony                                |
| Packaging                      | Tape & Reel (TR)                          | Package / Case                   | 196-LBGA                                       |
| Other Names                    | 935309311518                              | Operating Temperature            | -40°C ~ 100°C (TJ)                             |
| On-Chip RAM                    | 384kB                                     | Non-Volatile Memory              | ROM (576 B)                                    |
| Mounting Type                  | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant        | Interface                        | Host Interface, SSI, SCI                       |
| Clock Rate                     | 150MHz                                    | Base Part Number                 | DSP56311                                       |

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|  | Part#: <a href="#">DSP56311VL150B1</a><br>Description: IC DSP 24BIT 150MHZ 196-MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56321VF220</a><br>Description: IC DSP 24BIT 220MHZ 196MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56311VL150</a><br>Description: IC DSP 24BIT FIXED POINT 196-BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSP56321VL200R2</a><br>Description: IC DSP 24BIT 200MHZ 196MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56303VF100R2</a><br>Description: IC DSP 24BIT 100MHZ 196-BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56311EVM</a><br>Description: KIT EVALUATION FOR DSP56311        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56321VL200</a><br>Description: IC DSP 24BIT 200MHZ 196MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56303VL100</a><br>Description: IC DSP 24BIT 100MHZ 196-MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56321VF200R2</a><br>Description: IC DSP 24BIT 200MHZ 196MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56321VF275</a><br>Description: IC DSP 24BIT 275MHZ 196MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56321VF240</a><br>Description: IC DSP 24BIT 240MHZ 196MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56309EVM</a><br>Description: KIT EVALUATION FOR XC56309         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56311VL150R2</a><br>Description: IC DSP 24BIT 150MHZ 196-MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56307EVM</a><br>Description: EVAL MODULE FOR 56307              | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56303VL100B1</a><br>Description: IC DSP 24BIT 100MHZ 196-BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56303VF100B1</a><br>Description: IC DSP 24BIT 100MHZ 196-BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56303VF100</a><br>Description: IC DSP 24BIT 100MHZ 196-BGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSP56311VF150B1</a><br>Description: IC DSP 24BIT 150MHZ 196-BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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