



NXP Semiconductors / Freescale

DSP56301AG100

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSP56301AG100                                                                                                |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC DSP 24BIT 100MHZ GP 208-LQFP                                                                              |
|                     |  1.DSP56301AG100.pdf        |
|                     |  2.DSP56301AG100.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of DSP56301AG100

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSP56301AG100                                                                                                                                                                                                      |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                     |
| DESCRIPTION                      | IC DSP 24BIT 100MHZ GP 208-LQFP                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| DATA SHEET                       |  1.DSP56301AG100.pdf<br> 2.DSP56301AG100.pdf |
| VOLTAGE - I/O                    | 3.30V                                                                                                                                                                                                              |
| VOLTAGE - CORE                   | 3.30V                                                                                                                                                                                                              |
| TYPE                             | Fixed Point                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 208-TQFP (28x28)                                                                                                                                                                                                   |
| SERIES                           | DSP563xx                                                                                                                                                                                                           |
| PACKAGING                        | Tray                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 208-LQFP                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                 |
| ON-CHIP RAM                      | 24kB                                                                                                                                                                                                               |
| NON-VOLATILE MEMORY              | ROM (9 kB)                                                                                                                                                                                                         |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| INTERFACE                        | Host Interface, SSI, SCI                                                                                                                                                                                           |
| CLOCK RATE                       | 100MHz                                                                                                                                                                                                             |
| BASE PART NUMBER                 | DSP56301                                                                                                                                                                                                           |

Related Tags

|                                              |                                         |                                                  |
|----------------------------------------------|-----------------------------------------|--------------------------------------------------|
| NXP Semiconductors / Freescale DSP56301AG100 | DSP56301AG100 Distributor               | DSP56301AG100 Supplier                           |
| DSP56301AG100 Price                          | DSP56301AG100 Pictures                  | DSP56301AG100 Image                              |
| DSP56301AG100 PDF Datasheet                  | DSP56301AG100 Download Datasheet        | DSP56301AG100 Datasheet                          |
| DSP56301AG100 Stock                          | Buy DSP56301AG100                       | Buy NXP Semiconductors / Freescale DSP56301AG100 |
| NXP Semiconductors / Freescale DSP56301AG100 | NXP Semiconductors / Freescale Supplier | NXP Semiconductors / Freescale Distributor       |
| NXP Semiconductors / Freescale DSP56301AG100 | NXP Semiconductors DSP56301AG100        | Freescale DSP56301AG100                          |
| Freescale Semiconductor - NXP DSP56301AG100  | NXP USA Inc. DSP56301AG100              |                                                  |

Related Products

|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>DSP56301AG80</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC DSP 24BIT 80MHZ GP 208-LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>DSP30-5</b><br/>Manufacturers: TDK-Lambda Americas, Inc.<br/>Description: AC/DC CONVERTER 5V 15W<br/>In stock: 176 pcs<br/><div>RFQ</div></div>                        |
|  <div><b>DSP56301PW80</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC DSP 24BIT 80MHZ 208-LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>       |  <div><b>DSP56301VF100</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC DSP 24BIT FIXED-POINT 252-BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>DSP45-16A</b><br/>Manufacturers: IXYS Corporation<br/>Description: DIODE ARRAY GP 1600V 45A TO247AD<br/>In stock: Out stock<br/><div>RFQ</div></div>                   |  <div><b>DSP45-12A</b><br/>Manufacturers: IXYS Corporation<br/>Description: DIODE ARRAY GP 1200V 45A TO247AD<br/>In stock: Out stock<br/><div>RFQ</div></div>                   |
|  <div><b>DSP30-24/277A</b><br/>Manufacturers: TDK-Lambda Americas, Inc.<br/>Description: AC/DC CONVERTER 24V 30W<br/>In stock: Out stock<br/><div>RFQ</div></div>               |  <div><b>DSP56301VF80</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC DSP 24BIT 80MHZ 252-BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>        |
|  <div><b>DSP56301PW100</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC DSP 24BIT FIXED-POINT 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>DSP45-16AR</b><br/>Manufacturers: IXYS Corporation<br/>Description: DIODE ARRAY 1600V 43A ISOPLUS247<br/>In stock: Out stock<br/><div>RFQ</div></div>                  |
|  <div><b>DSP30-24</b><br/>Manufacturers: TDK-Lambda Americas, Inc.<br/>Description: AC/DC CONVERTER 24V 30W<br/>In stock: 723 pcs<br/><div>RFQ</div></div>                      |  <div><b>DSP56301AG80B1</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC DSP 24BIT 80MHZ GP 208-LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |