



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

SPC5644AF0MMG1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SPC5644AF0MMG1                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 4MB FLASH 208MAPBGA                                                                             |
|                     | <a href="#">PDF</a> 1.SPC5644AF0MMG1.pdf                                                                     |
|                     | <a href="#">PDF</a> 2.SPC5644AF0MMG1.pdf                                                                     |
|                     | <a href="#">PDF</a> 3.SPC5644AF0MMG1.pdf                                                                     |
|                     | <a href="#">PDF</a> 4.SPC5644AF0MMG1.pdf                                                                     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of SPC5644AF0MMG1

|                                  |                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | SPC5644AF0MMG1                                                                                                                                                               |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                               |
| DESCRIPTION                      | IC MCU 32BIT 4MB FLASH 208MAPBGA                                                                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                   |
| DATA SHEET                       | <a href="#">PDF</a> 1.SPC5644AF0MMG1.pdf<br><a href="#">PDF</a> 2.SPC5644AF0MMG1.pdf<br><a href="#">PDF</a> 3.SPC5644AF0MMG1.pdf<br><a href="#">PDF</a> 4.SPC5644AF0MMG1.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.14 V ~ 5.25 V                                                                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 208-MAPBGA (17x17)                                                                                                                                                           |
| SPEED                            | 150MHz                                                                                                                                                                       |
| SERIES                           | MPC56xx Qorivva                                                                                                                                                              |
| RAM SIZE                         | 192K x 8                                                                                                                                                                     |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                        |
| PROGRAM MEMORY SIZE              | 4MB (4M x 8)                                                                                                                                                                 |
| PERIPHERALS                      | DMA, POR, PWM, WDT                                                                                                                                                           |
| PACKAGING                        | Tray                                                                                                                                                                         |
| PACKAGE / CASE                   | 208-BGA                                                                                                                                                                      |
| OTHER NAMES                      | 935317446557                                                                                                                                                                 |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                           |
| NUMBER OF I/O                    | 120                                                                                                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                                                                            |
| DETAILED DESCRIPTION             | e200z4 MPC56xx Qorivva Microcontroller IC 32-Bit 150MHz 4MB (4M x 8) FLASH 208-MAPBGA (17x17)                                                                                |
| DATA CONVERTERS                  | A/D 40x12b                                                                                                                                                                   |
| CORE SIZE                        | 32-Bit                                                                                                                                                                       |
| CORE PROCESSOR                   | e200z4                                                                                                                                                                       |
| CONNECTIVITY                     | CANbus, EBI/EMI, LINbus, SCI, SPI                                                                                                                                            |
| BASE PART NUMBER                 | SPC5644                                                                                                                                                                      |

Related Tags

|                                               |                                         |                                                   |
|-----------------------------------------------|-----------------------------------------|---------------------------------------------------|
| NXP Semiconductors / Freescale SPC5644AF0MMG1 | SPC5644AF0MMG1 Distributor              | SPC5644AF0MMG1 Supplier                           |
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| Freescale Semiconductor - NXP SPC5644AF0MMG1  | NXP USA Inc. SPC5644AF0MMG1             |                                                   |

Related Products

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>SPC5643LK0MMM1</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: FREESCALE 32-BIT MCU DUAL POWER<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>SPC5644AF0MVZ1R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 4MB FLASH 324TEBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>SPC5644AF0MMG2R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 32BIT4MB FLASH192K RAMFLEXRAY<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>SPC5644AF0MVZ1</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 4MB FLASH 324TEBGA<br/>In stock: 60 pcs<br/><div>RFQ</div></div>     |
|  <div><b>SPC5644AF0MLU1</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 4MB FLASH 176LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>SPC5644AF0MMG2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 4MB FLASH 208MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>SPC5644AF0MMG3R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 4MB FLASH 208MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>SPC5644AF0MLU2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 4MB FLASH 176LQFP<br/>In stock: 200 pcs<br/><div>RFQ</div></div>     |
|  <div><b>SPC5644AF0MMG1R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 4MB FLASH 208MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>SPC5644AF0MLU1R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 4MB FLASH 176LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>SPC5643LK0MLQ8</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: FREESCALE 32-BIT MCU DUAL POWER<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>SPC5644AF0MLU3</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 4MB FLASH 176LQFP<br/>In stock: 200 pcs<br/><div>RFQ</div></div>     |