

NXP Semiconductors / Freescale



### SPC5644AF0MMG1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SPC5644AF0MMG1                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 4MB FLASH 208MAPBGA                                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 3015 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

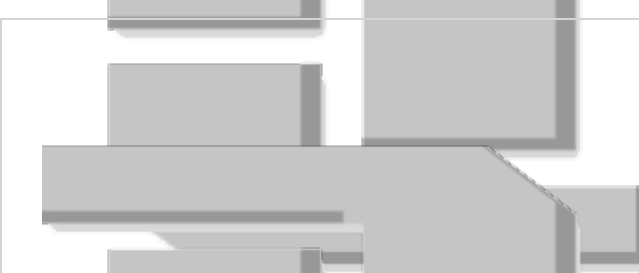
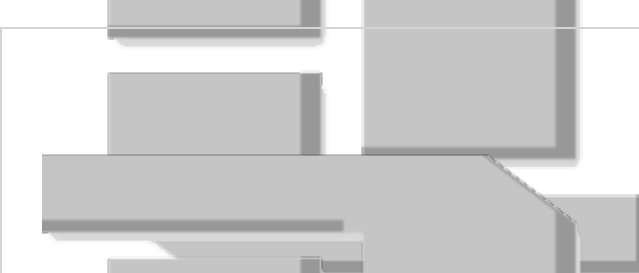
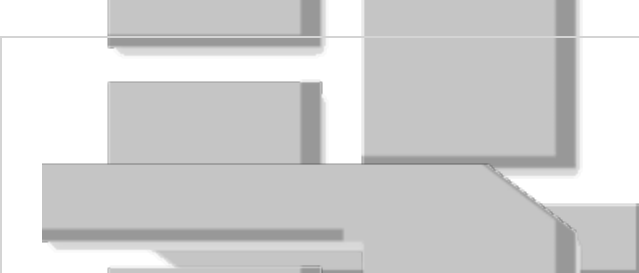
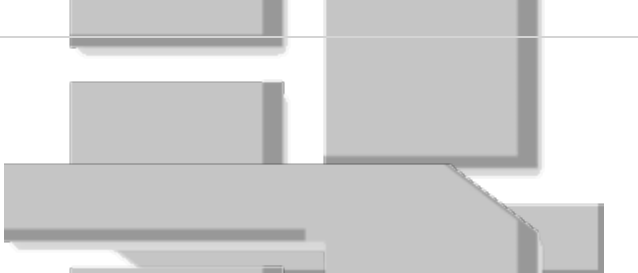
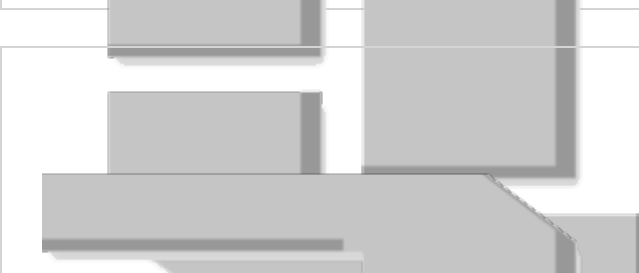
#### Specifications of SPC5644AF0MMG1

|                                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| PART NUMBER                      | SPC5644AF0MMG1                                                                                |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                |
| DESCRIPTION                      | IC MCU 32BIT 4MB FLASH 208MAPBGA                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                    |
| QUANTITY AVAILABLE               | 3015 pcs                                                                                      |
| DATA SHEET                       |                                                                                               |
| 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

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| SPC5644AF0MMG1               | SPC5644AF0MMG1 Distributor        | SPC5644AF0MMG1 Supplier  |
| SPC5644AF0MMG1 Price         | SPC5644AF0MMG1 Pictures           | SPC5644AF0MMG1 Image     |
| SPC5644AF0MMG1 PDF Datasheet | SPC5644AF0MMG1 Download Datasheet | SPC5644AF0MMG1 Datasheet |
| SPC5644AF0MMG1 Stock         | Buy SPC5644AF0MMG1                | Buy SPC5644AF0MMG1       |
| SPC5644AF0MMG1               | Supplier                          | Distributor              |

#### Related Products

|                                                                                    |                                                                                                                                                                |                                                                                      |                                                                                                                                                                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <div>SPC5644AF0MMG2R</div> <div>Manufacturers: NXP</div> <div>Description: 32BIT4MB FLASH192K RAMFLEXRAY</div> <div>In stock: 3025 pcs</div> <div>RFQ</div>    |  | <div>SPC5643LK0MMM1</div> <div>Manufacturers: NXP</div> <div>Description: FREESCALE 32-BIT MCU DUAL POWER</div> <div>In stock: 4311 pcs</div> <div>RFQ</div>   |
|  | <div>SPC5644AF0MMG2</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 32BIT 4MB FLASH 208MAPBGA</div> <div>In stock: 4787 pcs</div> <div>RFQ</div>  |  | <div>SPC5644AF0MVZ1</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 32BIT 4MB FLASH 324TEBGA</div> <div>In stock: 2213 pcs</div> <div>RFQ</div>   |
|  | <div>SPC5644AF0MLU1</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 32BIT 4MB FLASH 176LQFP</div> <div>In stock: 2872 pcs</div> <div>RFQ</div>    |  | <div>SPC5644AF0MMG1R</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 32BIT 4MB FLASH 208MAPBGA</div> <div>In stock: 6922 pcs</div> <div>RFQ</div> |
|  | <div>SPC5644AF0MLU3</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 32BIT 4MB FLASH 176LQFP</div> <div>In stock: 2662 pcs</div> <div>RFQ</div>    |  | <div>SPC5644AF0MVZ1R</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 32BIT 4MB FLASH 324TEBGA</div> <div>In stock: 2755 pcs</div> <div>RFQ</div>  |
|  | <div>SPC5644AF0MMG3R</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 32BIT 4MB FLASH 208MAPBGA</div> <div>In stock: 3213 pcs</div> <div>RFQ</div> |  | <div>SPC5643LK0MLQ8</div> <div>Manufacturers: NXP</div> <div>Description: FREESCALE 32-BIT MCU DUAL POWER</div> <div>In stock: 5388 pcs</div> <div>RFQ</div>   |
|  | <div>SPC5644AF0MLU2</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 32BIT 4MB FLASH 176LQFP</div> <div>In stock: 2511 pcs</div> <div>RFQ</div>    |  | <div>SPC5644AF0MLU1R</div> <div>Manufacturers: NXP</div> <div>Description: IC MCU 32BIT 4MB FLASH 176LQFP</div> <div>In stock: 3520 pcs</div> <div>RFQ</div>   |

