

SPC5642AF2MLU2

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| Part Number:        | SPC5642AF2MLU2                                                                                       |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                       |
| Product description | NXP 32-BIT MCU POWER ARCH CORE                                                                       |
| Datasheets:         |  SPC5642AF2MLU2.pdf |
| 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 SPC5642AF2MLU2

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | SPC5642AF2MLU2                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                         |
| DESCRIPTION                      | NXP 32-BIT MCU POWER ARCH CORE                                                                         |
| LEAD FREE STATUS / ROHS STATUS   |                                                                                                        |
| DATA SHEET                       |  SPC5642AF2MLU2.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.14 V ~ 5.25 V                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 176-LQFP (24x24)                                                                                       |
| SPEED                            | 120MHz                                                                                                 |
| SERIES                           | MPC56xx Qorivva                                                                                        |
| RAM SIZE                         | 128K x 8                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                  |
| PROGRAM MEMORY SIZE              | 2MB (2M x 8)                                                                                           |
| PERIPHERALS                      | DMA, POR, PWM, WDT                                                                                     |
| PACKAGING                        | Tray                                                                                                   |
| PACKAGE / CASE                   | 176-LQFP                                                                                               |
| OTHER NAMES                      | 935325688557                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                     |
| NUMBER OF I/O                    | 84                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                          |
| MANUFACTURER STANDARD LEAD TIME  | 16 Weeks                                                                                               |
| EEPROM SIZE                      | -                                                                                                      |
| DETAILED DESCRIPTION             | e200z4 MPC56xx Qorivva Microcontroller IC 32-Bit 120MHz 2MB (2M x 8) FLASH 176-LQFP (24x24)            |
| DATA CONVERTERS                  | A/D 40x12b                                                                                             |
| CORE SIZE                        | 32-Bit                                                                                                 |
| CORE PROCESSOR                   | e200z4                                                                                                 |
| CONNECTIVITY                     | CANbus, EBI/EMI, LINbus, SCI, SPI                                                                      |

Related Tags

|                                               |                                         |                                                   |
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| Freescale Semiconductor - NXP SPC5642AF2MLU2  | NXP USA Inc. SPC5642AF2MLU2             |                                                   |

Related Products

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|  <div><b>SPC5642AF2MLU1</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: NXP 32-BIT MCU POWER ARCH CORE<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>SPC5642AF2MVZ2R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: NXP 32-BIT MCU POWER ARCH CORE<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>SPC5642AF2MLU3</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: NXP 32-BIT MCU POWER ARCH CORE<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>SPC5642AF2MVZ2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: NXP 32-BIT MCU POWER ARCH CORE<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>SPC5642AF2MVZ3</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: NXP 32-BIT MCU POWER ARCH CORE<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>SPC5642AF2MLU1R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: NXP 32-BIT MCU POWER ARCH CORE<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>SPC563MADPT144S</b><br/>Manufacturers: STMicroelectronics<br/>Description: KIT EVAL MINI MODULE SPC563<br/>In stock: Out stock<br/><div>RFQ</div></div>               |  <div><b>SPC563M64L7COBY</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1.5MB FLASH 176LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>           |
|  <div><b>SPC5643AF0MLU2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: NXP 32-BIT MCU POWER ARCH CORE<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>SPC563MKIT144S</b><br/>Manufacturers: STMicroelectronics<br/>Description: KIT DEV FOR 32BIT MCU AUTOMOTIVE<br/>In stock: 3 pcs<br/><div>RFQ</div></div>                |
|  <div><b>SPC563MADPT176S</b><br/>Manufacturers: STMicroelectronics<br/>Description: KIT EVAL MINI MODULE SPC563<br/>In stock: Out stock<br/><div>RFQ</div></div>               |  <div><b>SPC5642AF2MVZ1</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: NXP 32-BIT MCU POWER ARCH CORE<br/>In stock: Out stock<br/><div>RFQ</div></div>  |