



STM32F410C8U6

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|---------------------|---------------------------------------|
| Part Number:        | STM32F410C8U6                         |
| Manufacturer/Brand: | STMicroelectronics                    |
| Product description | IC MCU 32BIT 64KB FLASH 48QFPN        |
| Datasheets:         | <a href="#">PDF STM32F410C8U6.pdf</a> |
| RoHs Status         | Lead free / RoHS Compliant            |
| Ship From           | Hong Kong                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                 |

REQUEST FOR QUOTATION

Specifications of STM32F410C8U6

|                                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F410C8U6                                                                                 |
| MANUFACTURER                     | STMicroelectronics                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 64KB FLASH 48QFPN                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                    |
| DATA SHEET                       | <a href="#">PDF STM32F410C8U6.pdf</a>                                                         |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 48-UFQFPN (7x7)                                                                               |
| SPEED                            | 100MHz                                                                                        |
| SERIES                           | STM32F4                                                                                       |
| RAM SIZE                         | 32K x 8                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                         |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                  |
| PACKAGING                        | Tray                                                                                          |
| PACKAGE / CASE                   | 48-UFQFN Exposed Pad                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                             |
| NUMBER OF I/O                    | 36                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                 |
| MANUFACTURER STANDARD LEAD TIME  | 14 Weeks                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                    |
| EEPROM SIZE                      | -                                                                                             |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 STM32F4 Microcontroller IC 32-Bit 100MHz 64KB (64K x 8) FLASH 48-UFQFPN (7x7) |
| DATA CONVERTERS                  | A/D 10x12b, D/A 1x12b                                                                         |
| CORE SIZE                        | 32-Bit                                                                                        |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                               |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART                                               |

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| <div><b>STM32F407ZGT6J</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 360 pcs<br/><a href="#">RFQ</a></div>    | <div><b>STM32F410RB13</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 64UFBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
| <div><b>STM32F410CBU6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48QFPN<br/>In stock: 317 pcs<br/><a href="#">RFQ</a></div>    | <div><b>STM32F407ZGT6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 144 20X20X1.4 2<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>           |
| <div><b>STM32F407ZET6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> | <div><b>STM32F407ZET7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 440 pcs<br/><a href="#">RFQ</a></div>   |
| <div><b>STM32F410C8U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: UFQFPN 7X7X0.55 48L<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>            | <div><b>STM32F407ZGT7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 386 pcs<br/><a href="#">RFQ</a></div>     |
| <div><b>STM32F410CBT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  | <div><b>STM32F410CBT3</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |
| <div><b>STM32F410R8T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 64KB FLASH 64LQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   | <div><b>STM32F407ZGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   |