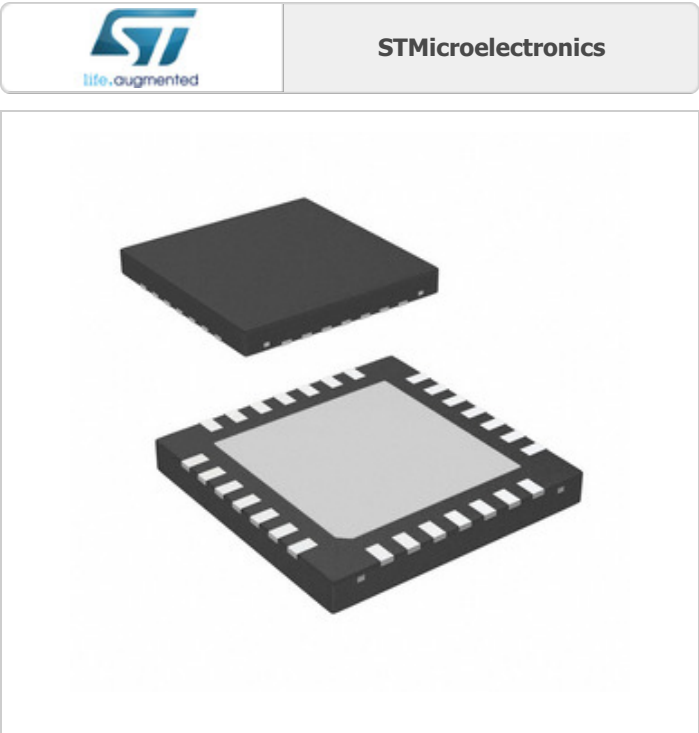




STM32F042G6U6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F042G6U6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 32KB FLASH 28UFQFPN                                                                             |
|                     | <a href="#">1.STM32F042G6U6.pdf</a>                                                                          |
|                     | <a href="#">2.STM32F042G6U6.pdf</a>                                                                          |
|                     | <a href="#">3.STM32F042G6U6.pdf</a>                                                                          |
|                     | <a href="#">4.STM32F042G6U6.pdf</a>                                                                          |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

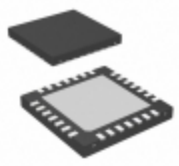
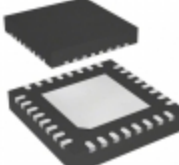
Specifications of STM32F042G6U6

|                                  |                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F042G6U6                                                                                                                                            |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 32KB FLASH 28UFQFPN                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                               |
| DATA SHEET                       | <a href="#">1.STM32F042G6U6.pdf</a><br><a href="#">2.STM32F042G6U6.pdf</a><br><a href="#">3.STM32F042G6U6.pdf</a><br><a href="#">4.STM32F042G6U6.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 3.6 V                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 28-UFQFPN (4x4)                                                                                                                                          |
| SPEED                            | 48MHz                                                                                                                                                    |
| SERIES                           | STM32F0                                                                                                                                                  |
| RAM SIZE                         | 6K x 8                                                                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                                                           |
| PERIPHERALS                      | DMA, I <sup>2</sup> S, POR, PWM, WDT                                                                                                                     |
| PACKAGING                        | Tray                                                                                                                                                     |
| PACKAGE / CASE                   | 28-UFQFN Exposed Pad                                                                                                                                     |
| OTHER NAMES                      | 497-17345<br>STM32F042G6U6-ND                                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                        |
| NUMBER OF I/O                    | 24                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                            |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                               |
| EEPROM SIZE                      | -                                                                                                                                                        |
| DETAILED DESCRIPTION             | ARM® Cortex®-M0 STM32F0 Microcontroller IC 32-Bit 48MHz 32KB (32K x 8) FLASH 28-UFQFPN (4x4)                                                             |
| DATA CONVERTERS                  | A/D 13x12b                                                                                                                                               |
| CORE SIZE                        | 32-Bit                                                                                                                                                   |
| CORE PROCESSOR                   | ARM® Cortex®-M0                                                                                                                                          |
| CONNECTIVITY                     | CANbus, HDMI-CEC, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB                                                                                   |

Related Tags

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32F042G6U6 | STM32F042G6U6 Distributor        | STM32F042G6U6 Supplier               |
| STM32F042G6U6 Price              | STM32F042G6U6 Pictures           | STM32F042G6U6 Image                  |
| STM32F042G6U6 PDF Datasheet      | STM32F042G6U6 Download Datasheet | STM32F042G6U6 Datasheet              |
| STM32F042G6U6 Stock              | Buy STM32F042G6U6                | Buy STMicroelectronics STM32F042G6U6 |
| STMicroelectronics STM32F042G6U6 | STMicroelectronics Supplier      | STMicroelectronics Distributor       |
| STMicroelectronics STM32F042G6U6 |                                  |                                      |

Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F042F6P6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 20TSSOP<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div><b>STM32F042K6T7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: Out stock</div> <div>RFQ</div>     |
|  <div><b>STM32F042K6T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 32LQFP<br/>In stock: Out stock</div> <div>RFQ</div>     |  <div><b>STM32F042F4P6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 20TSSOP<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>STM32F042G6U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 28UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>STM32F042G4U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 28UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div>   |
|  <div><b>STM32F042K4U6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div>   |  <div><b>STM32F042G4U6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 28UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div> |
|  <div><b>STM32F042F6P6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 20TSSOP<br/>In stock: Out stock</div> <div>RFQ</div>    |  <div><b>STM32F042K4T6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 16KB FLASH 32LQFP<br/>In stock: Out stock</div> <div>RFQ</div>     |
|  <div><b>STM32F042F6P7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 20TSSOP<br/>In stock: Out stock</div> <div>RFQ</div>    |  <div><b>STM32F042G6U7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 32KB FLASH 28UFQFPN<br/>In stock: Out stock</div> <div>RFQ</div>   |