



STMicroelectronics



Image may be representation. See specifications for product details.

STM32F769BGT6

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F769BGT6                                                                                                |
| Manufacturer/Brand: | STMicroelectronics                                                                                           |
| Product description | IC MCU 32BIT 1MB FLASH 208LQFP                                                                               |
|                     |  1.STM32F769BGT6.pdf        |
|                     |  2.STM32F769BGT6.pdf        |
|                     |  3.STM32F769BGT6.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 6016 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of STM32F769BGT6

|                                  |                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F769BGT6                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | STMicroelectronics                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 208LQFP                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                    |
| QUANTITY AVAILABLE               | 6016 pcs                                                                                                                                                                                                                                                                                                                      |
| DATA SHEET                       |  1.STM32F769BGT6.pdf<br> 2.STM32F769BGT6.pdf<br> 3.STM32F769BGT6.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 208-LQFP (28x28)                                                                                                                                                                                                                                                                                                              |
| SPEED                            | 216MHz                                                                                                                                                                                                                                                                                                                        |
| SERIES                           | STM32F7                                                                                                                                                                                                                                                                                                                       |
| RAM SIZE                         | 512K x 8                                                                                                                                                                                                                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                         |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                                                                                                                                                                                                                                                  |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                                                                                                                                                                                                                                                          |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 208-LQFP                                                                                                                                                                                                                                                                                                                      |
| OTHER NAMES                      | 497-16646                                                                                                                                                                                                                                                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                             |
| NUMBER OF I/O                    | 159                                                                                                                                                                                                                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                    |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                             |
| DETAILED DESCRIPTION             | ARM® Cortex®-M7 STM32F7 Microcontroller IC 32-Bit 216MHz 1MB (1M x 8) FLASH 208-LQFP (28x28)                                                                                                                                                                                                                                  |
| DATA CONVERTERS                  | A/D 24x12b, A/D 2x12b                                                                                                                                                                                                                                                                                                         |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                        |
| CORE PROCESSOR                   | ARM® Cortex®-M7                                                                                                                                                                                                                                                                                                               |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, UART/USART, USB OTG                                                                                                                                                                                                                         |

Related Tags

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32F769BGT6 | STM32F769BGT6 Distributor        | STM32F769BGT6 Supplier               |
| STM32F769BGT6 Price              | STM32F769BGT6 Pictures           | STM32F769BGT6 Image                  |
| STM32F769BGT6 PDF Datasheet      | STM32F769BGT6 Download Datasheet | STM32F769BGT6 Datasheet              |
| STM32F769BGT6 Stock              | Buy STM32F769BGT6                | Buy STMicroelectronics STM32F769BGT6 |
| STMicroelectronics STM32F769BGT6 | STMicroelectronics Supplier      | STMicroelectronics Distributor       |
| STM32F769BGT6                    |                                  |                                      |

Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>STM32F767VIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: TFBGA 8X8 100L F10X1<br/>In stock: 9980 pcs<br/><b>RFQ</b></div>                |  <div><b>STM32F769IGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 176LQFP<br/>In stock: 5610 pcs<br/><b>RFQ</b></div>      |
|  <div><b>STM32F767ZIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 5674 pcs<br/><b>RFQ</b></div>      |  <div><b>STM32F769I-DISC1</b><br/>Manufacturers: STMicroelectronics<br/>Description: DISCOVERY BOARD WITHOUT DISPLAYS<br/>In stock: 1678 pcs<br/><b>RFQ</b></div> |
|  <div><b>STM32F769I-EVAL</b><br/>Manufacturers: STMicroelectronics<br/>Description: EVALUATION BOARD WITH STM32F769N<br/>In stock: 254 pcs<br/><b>RFQ</b></div>   |  <div><b>STM32F769IIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176LQFP<br/>In stock: 6399 pcs<br/><b>RFQ</b></div>      |
|  <div><b>STM32F769AIY6UTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 180WLCSP<br/>In stock: 8882 pcs<br/><b>RFQ</b></div>  |  <div><b>STM32F769AIY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 180WLCSP<br/>In stock: 8821 pcs<br/><b>RFQ</b></div>   |
|  <div><b>STM32F769I-DISCO</b><br/>Manufacturers: STMicroelectronics<br/>Description: DISCOVERY KIT WITH STM32F769NI M<br/>In stock: 1106 pcs<br/><b>RFQ</b></div> |  <div><b>STM32F767VIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 6469 pcs<br/><b>RFQ</b></div>      |
|  <div><b>STM32F767ZGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 7266 pcs<br/><b>RFQ</b></div>      |  <div><b>STM32F769BIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 208LQFP<br/>In stock: 5674 pcs<br/><b>RFQ</b></div>      |