



STM32F769IGT6

|                     |                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | STM32F769IGT6                                                                                                                          |
| Manufacturer/Brand: | STMicroelectronics                                                                                                                     |
| Product description | IC MCU 32BIT 1MB FLASH 176LQFP                                                                                                         |
| Datasheets:         | <div><div>PDF</div>1.STM32F769IGT6.pdf</div> <div><div>PDF</div>2.STM32F769IGT6.pdf</div> <div><div>PDF</div>3.STM32F769IGT6.pdf</div> |
| RoHs Status         | <div><div>RoHS</div>Lead free / RoHS Compliant</div>                                                                                   |
| Stock Condition     | 5610 pcs stock                                                                                                                         |
| Ship From           | Hong Kong                                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                  |

REQUEST FOR QUOTATION

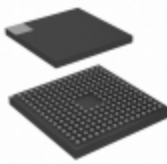
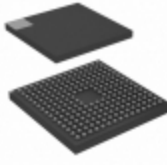
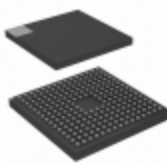
Specifications of STM32F769IGT6

|                                  |                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | STM32F769IGT6                                                                                                                          |
| MANUFACTURER                     | STMicroelectronics                                                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 176LQFP                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                             |
| QUANTITY AVAILABLE               | 5610 pcs                                                                                                                               |
| DATA SHEET                       | <div><div>PDF</div>1.STM32F769IGT6.pdf</div> <div><div>PDF</div>2.STM32F769IGT6.pdf</div> <div><div>PDF</div>3.STM32F769IGT6.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 176-LQFP (24x24)                                                                                                                       |
| 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, I <sup>2</sup> S, LCD, POR, PWM, WDT                                                                      |
| PACKAGING                        | Tray                                                                                                                                   |
| PACKAGE / CASE                   | 176-LQFP                                                                                                                               |
| OTHER NAMES                      | 497-16648                                                                                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                      |
| NUMBER OF I/O                    | 140                                                                                                                                    |
| 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 176-LQFP (24x24)                                           |
| DATA CONVERTERS                  | A/D 24x12b, A/D 2x12b                                                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M7                                                                                                                        |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SAI, SPDIF, SPI, UART/USART, USB OTG                     |

Related Tags

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| STMicroelectronics STM32F769IGT6 | STM32F769IGT6 Distributor        | STM32F769IGT6 Supplier               |
| STM32F769IGT6 Price              | STM32F769IGT6 Pictures           | STM32F769IGT6 Image                  |
| STM32F769IGT6 PDF Datasheet      | STM32F769IGT6 Download Datasheet | STM32F769IGT6 Datasheet              |
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| STMicroelectronics STM32F769IGT6 | STMicroelectronics Supplier      | STMicroelectronics Distributor       |
| STM32F769IGT6                    |                                  |                                      |

Related Products

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                 |
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| <div></div> <div><b>STM32F769I-EVAL</b><br/>Manufacturers: STMicroelectronics<br/>Description: EVALUATION BOARD WITH STM32F769N<br/>In stock: 254 pcs</div> <div>RFQ</div>   | <div></div> <div><b>STM32F769IIT6E</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 176 24X24X1.4<br/>In stock: 7382 pcs</div> <div>RFQ</div>                 |
| <div></div> <div><b>STM32F769NIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 216TFBGA<br/>In stock: 5744 pcs</div> <div>RFQ</div>     | <div></div> <div><b>STM32F769BGT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 6016 pcs</div> <div>RFQ</div>      |
| <div></div> <div><b>STM32F769AIY6UTR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 180WLCSP<br/>In stock: 8882 pcs</div> <div>RFQ</div>  | <div></div> <div><b>STM32F769IIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176LQFP<br/>In stock: 6399 pcs</div> <div>RFQ</div>      |
| <div></div> <div><b>STM32F769NIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 216TFBGA<br/>In stock: 5921 pcs</div> <div>RFQ</div>     | <div></div> <div><b>STM32F769I-DISC1</b><br/>Manufacturers: STMicroelectronics<br/>Description: DISCOVERY BOARD WITHOUT DISPLAYS<br/>In stock: 1678 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>STM32F769I-DISCO</b><br/>Manufacturers: STMicroelectronics<br/>Description: DISCOVERY KIT WITH STM32F769NI M<br/>In stock: 1106 pcs</div> <div>RFQ</div> | <div></div> <div><b>STM32F769BIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 208LQFP<br/>In stock: 5674 pcs</div> <div>RFQ</div>      |
| <div></div> <div><b>STM32F769NGH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 1MB FLASH 216TFBGA<br/>In stock: 5949 pcs</div> <div>RFQ</div>     | <div></div> <div><b>STM32F769IIT6G</b><br/>Manufacturers: STMicroelectronics<br/>Description: LQFP 176 24X24X1.4<br/>In stock: 5474 pcs</div> <div>RFQ</div>                 |