



## STM32F777NIH6

|                      |  |
|----------------------|--|
| Part Number:         | STM32F777NIH6  |
| Manufacturer/Brand:  | STMicroelectronics   |
| Product description: | IC MCU 32BIT 2MB FLASH 216TFBGA  |
| Datasheets:          | <a href="#">1.STM32F777NIH6.pdf</a><br><a href="#">2.STM32F777NIH6.pdf</a> |
| RoHS Status:         | Lead free / RoHS Compliant   |
| Stock Condition:     | 4620 pcs stock   |
| 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 STM32F777NIH6

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | STM32F777NIH6  |
| MANUFACTURER                     | STMicroelectronics   |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 216TFBGA  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| QUANTITY AVAILABLE               | 4620 pcs   |
| DATA SHEET                       | <a href="#">1.STM32F777NIH6.pdf</a><br><a href="#">2.STM32F777NIH6.pdf</a>   |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.7 V ~ 3.6 V  |
| SUPPLIER DEVICE PACKAGE          | 216-TFBGA (13x13)  |
| SPEED                            | 216MHz   |
| SERIES                           | STM32F7  |
| RAM SIZE                         | 512K x 8   |
| PROGRAM MEMORY TYPE              | FLASH  |
| PROGRAM MEMORY SIZE              | 2MB (2M x 8)   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT  |
| PACKAGING                        | Tray   |
| PACKAGE / CASE                   | 216-TFBGA  |
| OTHER NAMES                      | 497-16655  |
| 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 2MB (2M x 8) FLASH 216-TFBGA (13x13)                      |
| 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

|                                  |                                  |                                      |
|----------------------------------|----------------------------------|--------------------------------------|
| STMicroelectronics STM32F777NIH6 | STM32F777NIH6 Distributor        | STM32F777NIH6 Supplier               |
| STM32F777NIH6 Price              | STM32F777NIH6 Pictures           | STM32F777NIH6 Image                  |
| STM32F777NIH6 PDF Datasheet      | STM32F777NIH6 Download Datasheet | STM32F777NIH6 Datasheet              |
| STM32F777NIH6 Stock              | Buy STM32F777NIH6                | Buy STMicroelectronics STM32F777NIH6 |
| STMicroelectronics STM32F777NIH6 | STMicroelectronics Supplier      | STMicroelectronics Distributor       |
| STMicroelectronics STM32F777NIH6 |                                  |                                      |

### Related Products

|  |  |
|--|--|
| <p><b>STM32F777IIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176LQFP<br/>In stock: 5457 pcs</p> <p><a href="#">RFQ</a></p>    | <p><b>STM32F777IIK7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176BGA<br/>In stock: 8890 pcs</p> <p><a href="#">RFQ</a></p>     |
| <p><b>STM32F777VIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: TFBGA 8X8 100L F10X1<br/>In stock: 9876 pcs</p> <p><a href="#">RFQ</a></p>              | <p><b>STM32F769NIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 216TFBGA<br/>In stock: 5921 pcs</p> <p><a href="#">RFQ</a></p>   |
| <p><b>STM32F777ZIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 6172 pcs</p> <p><a href="#">RFQ</a></p>    | <p><b>STM32F777IIK6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 176UFBGA<br/>In stock: 5594 pcs</p> <p><a href="#">RFQ</a></p>   |
| <p><b>STM32F769NIH6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 216TFBGA<br/>In stock: 5744 pcs</p> <p><a href="#">RFQ</a></p>   | <p><b>STM32F778AIY6TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 180WLCSP<br/>In stock: 9418 pcs</p> <p><a href="#">RFQ</a></p> |
| <p><b>STM32F777BIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 208LQFP<br/>In stock: 5055 pcs</p> <p><a href="#">RFQ</a></p>    | <p><b>STM32F777VIT6</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 100LQFP<br/>In stock: 5261 pcs</p> <p><a href="#">RFQ</a></p>    |
| <p><b>STM32F777NIH7TR</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 216TFBGA<br/>In stock: 6791 pcs</p> <p><a href="#">RFQ</a></p> | <p><b>STM32F777NIH7</b><br/>Manufacturers: STMicroelectronics<br/>Description: IC MCU 32BIT 2MB FLASH 216TFBGA<br/>In stock: 6553 pcs</p> <p><a href="#">RFQ</a></p>   |