




STMicroelectronics



STM32F746NGH7

Part Number:	STM32F746NGH7
Manufacturer/Brand:	STMicroelectronics
Product description	IC MCU 32BIT 1MB FLASH 216BGA
	1.STM32F746NGH7.pdf
	2.STM32F746NGH7.pdf
	3.STM32F746NGH7.pdf
	4.STM32F746NGH7.pdf
Datasheets:	
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

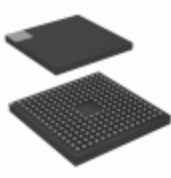

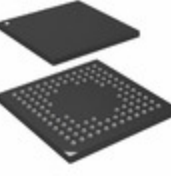


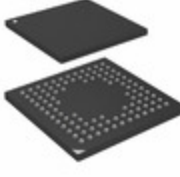






Specifications of STM32F746NGH7

PART NUMBER	STM32F746NGH7
MANUFACTURER	STMicroelectronics
DESCRIPTION	IC MCU 32BIT 1MB FLASH 216BGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.STM32F746NGH7.pdf 2.STM32F746NGH7.pdf 3.STM32F746NGH7.pdf 4.STM32F746NGH7.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.7 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	216-TFBGA (13x13)
SPEED	216MHz
SERIES	STM32F7
RAM SIZE	320K 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	216-TFBGA
OTHER NAMES	497-16794
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	168
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®-M7 STM32F7 Microcontroller IC 32-Bit 216MHz 1MB (1M x 8) FLASH 216-TFBGA (13x13)
DATA CONVERTERS	A/D 24x12b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M7
CONNECTIVITY	CANbus, EBI/EMI, Ethernet, I²C, IrDA, LINbus, SAI, SD, SPDIF-Rx, SPI, UART/USART, USB OTG

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