



Image may be representation. See specifications for product details.

STM32F412CGU6

Part Number:	STM32F412CGU6
Manufacturer/Brand:	STMicroelectronics
Product description	IC MCU 32BIT 1MB FLASH 48UFQFPN
	1.STM32F412CGU6.pdf
	2.STM32F412CGU6.pdf
	3.STM32F412CGU6.pdf
	4.STM32F412CGU6.pdf
Datasheets:	
RoHs Status	Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of STM32F412CGU6

PART NUMBER	STM32F412CGU6
MANUFACTURER	STMicroelectronics
DESCRIPTION	IC MCU 32BIT 1MB FLASH 48UFQFPN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.STM32F412CGU6.pdf 2.STM32F412CGU6.pdf 3.STM32F412CGU6.pdf 4.STM32F412CGU6.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.7 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	48-UFQFPN (7x7)
SPEED	100MHz
SERIES	STM32F4
RAM SIZE	256K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	1MB (1M x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	48-UFQFN Exposed Pad
OTHER NAMES	497-16763
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	36
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®-M4 STM32F4 Microcontroller IC 32-Bit 100MHz 1MB (1M x 8) FLASH 48-UFQFPN (7x7)
DATA CONVERTERS	A/D 10x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	CANbus, I²C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB, USB OTG

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