

STM32F412RET6	
Part Number	STM32F412RET6
Manufacturer	STMicroelectronics
Description	IC MCU 32BIT 512KB FLASH 64LQFP
Quantity Available	500 pcs in stock
Datasheets	1.STM32F412RET6.pdf 2.STM32F412RET6.pdf 3.STM32F412RET6.pdf 4.STM32F412RET6.pdf
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Technical Information of STM32F412RET6			
Manufacturer Part Number	STM32F412RET6	Category	Integrated Circuits (ICs)
Manufacturer	STMicroelectronics	Description	IC MCU 32BIT 512KB FLASH 64LQFP
Package / Case		Quantity Available	500
Voltage - Supply (Vcc/Vdd)	1.7 V ~ 3.6 V	Speed	100MHz
Series	STM32F4	RAM Size	256K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	50
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 512KB (512K x 8) FLASH	Data Converters	A/D 16x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, I ² C, IrDA, LINbus, MMC/SD/SDIO, QSPI, SPI, UART/USART, USB, USB OTG		

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Related parts for STM32F412RET6				
Image	Part Number	Description	Manufacturer	Quantity
	STM32F412VET3	LQFP 100 14X14X1.4	STMicroelectronics	500 pcs
	STM32F412VEH6	IC MCU 32BIT 512KB FLASH 100BGA	STMicroelectronics	500 pcs
	STM32F412REY6TR	IC MCU 32BIT 512KB FLASH 64WLCSP	STMicroelectronics	500 pcs
	STM32F412RGT6TR	IC MCU 32BIT 1MB FLASH 64LQFP	STMicroelectronics	500 pcs
	STM32F412CGU6TR	IC MCU 32BIT 1MB FLASH 48UFQFPN	STMicroelectronics	500 pcs
	STM32F411VEH6	IC MCU 32BIT 512KB FLASH 100UBGA	STMicroelectronics	517 pcs
	STM32F411VCT6TR	IC MCU 32BIT 256KB FLASH 100LQFP	STMicroelectronics	500 pcs
	STM32F411VET6	IC MCU 32BIT 512KB FLASH 100LQFP	STMicroelectronics	1920 pcs
	STM32F411VET6U	IC MCU 32BIT 512KB FLASH 100LQFP	STMicroelectronics	500 pcs
	STM32F411VEH6U	IC MCU 32BIT 512KB FLASH 100UBGA	STMicroelectronics	500 pcs
	STM32F411VEH6TR	UFBGA 7X7X0.60 100L	STMicroelectronics	500 pcs
	STM32F412RGY6PTR	IC MCU 32BIT 1MB FLASH 64WLCSP	STMicroelectronics	500 pcs
	STM32F412CEU6	IC MCU 32BIT 512KB FLASH 48UFQFN	STMicroelectronics	500 pcs
	STM32F412VEH3TR	UFBGA 7X7X0.60 100L	STMicroelectronics	500 pcs
	STM32F412VET3TR	LQFP 100 14X14X1.4	STMicroelectronics	500 pcs
	STM32F412G-DISCO	DISCOVERY KIT WITH STM32F412ZG M	STMicroelectronics	116 pcs
	STM32F412RET6TR	IC MCU 32BIT 512KB FLASH 64LQFP	STMicroelectronics	1000 pcs
	STM32F412CGU6	IC MCU 32BIT 1MB FLASH 48UFQFPN	STMicroelectronics	500 pcs
	STM32F412RGT6	IC MCU 32BIT 1MB FLASH 64LQFP	STMicroelectronics	776 pcs
	STM32F412RGY6TR	IC MCU 32BIT 1MB FLASH 64WLCSP	STMicroelectronics	24056 pcs

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