



STM32F437AIH6

Part Number:	STM32F437AIH6
Manufacturer/Brand:	STMicroelectronics
Product description:	IC MCU 32BIT 2MB FLASH 169BGA
Datasheets:	PDF STM32F437AIH6.pdf
RoHS Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Specifications of STM32F437AIH6

PART NUMBER	STM32F437AIH6
MANUFACTURER	STMicroelectronics
DESCRIPTION	IC MCU 32BIT 2MB FLASH 169BGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	PDF STM32F437AIH6.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	169-UFBGA (7x7)
SPEED	180MHz
SERIES	STM32F4
RAM SIZE	256K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	2MB (2M x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	169-UFBGA
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	114
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 180MHz 2MB (2M x 8) FLASH 169-UFBGA (7x7)
DATA CONVERTERS	A/D 24x12b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	CANbus, EBI/EMI, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB OTG
BASE PART NUMBER	STM32F437

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