

MC56F8166VFVE



Part Number: [MC56F8166VFVE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 512KB FLASH 144LQFP

Data sheet:  [MC56F8166/8366](#)

RoHS Status: Lead free / RoHS Compliant

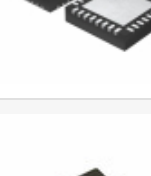
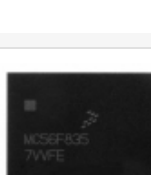
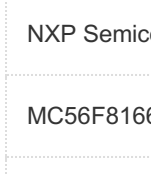
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PRODUCT PARAMETER			
Part Number	MC56F8166VFVE	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	6019 pcs	Data sheet	MC56F8166/8366
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.25 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	Speed	40MHz
Series	56F8xxx	RAM Size	16K x 16
Program Memory Type	FLASH	Program Memory Size	512KB (256K x 16)
Peripherals	POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Oscillator Type	External
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	62
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	56800E 56F8xxx Microcontroller IC 16-Bit 40MHz 512KB (256K x 16) FLASH 144-LQFP (20x20)
Data Converters	A/D 16x12b	Core Size	16-Bit
Core Processor	56800E	Connectivity	EBI/EMI, SCI, SPI
Base Part Number	MC56F8166		
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	Part#: MC56F8165VFGE Description: IC MCU 16BIT 512KB FLASH 128LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC56F8157VPYE Description: IC MCU 16BIT 256KB FLASH 160LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MC56F82348MLH Description: IC MCU 32BIT 64KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC56F8147VVFE Description: IC MCU 16BIT 128KB FLASH 160BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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