

MC56F8165VFGE



Part Number: [MC56F8165VFGE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 16BIT 512KB FLASH 128LQFP

Data sheet:  [MC56F8165/8365](#)

RoHs Status: Lead free / RoHS Compliant

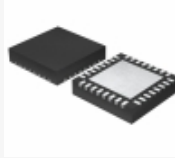
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PRODUCT PARAMETER			
Part Number	MC56F8165VFGE	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 16BIT 512KB FLASH 128LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	3526 pcs	Data sheet	MC56F8165/8365
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.25 V ~ 3.6 V
Supplier Device Package	128-LQFP (14x20)	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	128-LQFP	Other Names	935320987557
Oscillator Type	External	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	49	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 128-LQFP (14x20)	Data Converters	A/D 16x12b
Core Size	16-Bit	Core Processor	56800E
Connectivity	EBI/EMI, SCI, SPI	Base Part Number	MC56F8165
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