

MB96F643ABPMC-GSE1



Part Number: [MB96F643ABPMC-GSE1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 16BIT 96KB FLASH 100LQFP

Data sheet:  [MB96640 Series](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	MB96F643ABPMC-GSE1	Manufacturer	Cypress Semiconductor
Description	IC MCU 16BIT 96KB FLASH 100LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	15895 pcs	Data sheet	MB96640 Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	100-LQFP (14x14)	Speed	32MHz
Series	F ² MC-16FX MB96640	RAM Size	10K x 8
Program Memory Type	FLASH	Program Memory Size	96KB (96K x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Other Names	CY96F643ABPMC-GS-UJE1
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	81	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	24 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	F ² MC-16FX F ² MC-16FX MB96640 Microcontroller IC 16-Bit 32MHz 96KB (96K x 8) FLASH 100-LQFP (14x14)
Data Converters	A/D 24x8/10b	Core Size	16-Bit
Core Processor	F ² MC-16FX	Connectivity	I ² C, LINbus, SCI, UART/USART
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	Part#: MB96F637RBPMC-GSAE1 Description: IC MCU 16BIT 416KB FLASH 80LQFP	Manufacturers: Cypress Semiconductor	RFQ
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	Part#: MB96F643ABPMC-GSE2 Description: IC MCU 16BIT 96KB FLASH 100LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB96F643ABPMC-GE1 Description: IC MCU 16BIT 96KB FLASH 100LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB96F643RBPMC-GSAE1 Description: IC MCU 16BIT 96KB FLASH 100LQFP	Manufacturers: Cypress Semiconductor	RFQ
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