

MB91F587LDPMC-GTK5E1



Part Number: [MB91F587LDPMC-GTK5E1](#)

Manufacturer: [Cypress Semiconductor](#)

Description: IC MCU 32BIT 1MB FLASH 144LQFP

Data sheet:  [MB91580L Series](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MB91F587LDPMC-GTK5E1	Manufacturer	Cypress Semiconductor
Description	IC MCU 32BIT 1MB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5077 pcs	Data sheet	MB91580L Series
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	3.7 V ~ 5.5 V
Supplier Device Package	144-LQFP (20x20)	Speed	128MHz
Series	FR MB91580L	RAM Size	104K x 8
Program Memory Type	FLASH	Program Memory Size	1.0625MB (1.0625M x 8)
Peripherals	DMA, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Other Names	MB91F587LDPMC-GTE1 MB91F587LDPMC-GTE1-ND
Oscillator Type	External	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	111	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	64K x 8
Detailed Description	FR81S FR MB91580L Microcontroller IC 32-Bit 128MHz 1.0625MB (1.0625M x 8) FLASH 144-LQFP (20x20)	Data Converters	A/D 24x12b, D/A 1x10b
Core Size	32-Bit	Core Processor	FR81S
Connectivity	CANbus, CSIO, EBI/EMI, I ² C, LINbus, SPI, UART/USART		
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	Part#: MB91F591BSPMC-GSK5E2 Description: IC MCU 32BIT 576KB FLASH 208LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: MB91F585MGPMC-GTE1 Description: IC MCU 32BIT 576KB FLASH 100LQFP	Manufacturers: Cypress Semiconductor	RFQ
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