




Cypress Semiconductor

## MB96375RSAPMC-GS-103K5E2

Part Number:	MB96375RSAPMC-GS-103K5E2
Manufacturer/Brand:	Cypress Semiconductor
Product description:	IC MCU 16BIT 160KB MROM 144LQFP
Datasheets:	
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of MB96375RSAPMC-GS-103K5E2

PART NUMBER	MB96375RSAPMC-GS-103K5E2
MANUFACTURER	Cypress Semiconductor
DESCRIPTION	IC MCU 16BIT 160KB MROM 144LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	
VOLTAGE - SUPPLY (VCC/VDD)	3 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	144-LQFP (20x20)
SPEED	40MHz
SERIES	F <sup>2</sup> MC-16FX MB96370
RAM SIZE	12K x 8
PROGRAM MEMORY TYPE	Mask ROM
PROGRAM MEMORY SIZE	160KB (160K x 8)
PERIPHERALS	DMA, LCD, LVD, LVR, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	144-LQFP
OTHER NAMES	CY96375RSAPMC-GS-103E2 MB96375RSAPMC-GS-103E2 MB96375RSAPMC-GS-103E2-ND
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	120
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	17 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	F <sup>2</sup> MC-16FX F <sup>2</sup> MC-16FX MB96370 Microcontroller IC 16-Bit 40MHz 160KB (160K x 8) Mask ROM 144-LQFP (20x20)
DATA CONVERTERS	A/D 22x10b
CORE SIZE	16-Bit
CORE PROCESSOR	F <sup>2</sup> MC-16FX
CONNECTIVITY	CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, SCI, UART/USART

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