

**MB96F386RSCPMC-GS-158E2**



**Part Number:** [MB96F386RSCPMC-GS-158E2](#)

**Manufacturer:** [Cypress Semiconductor](#)

**Description:** IC MCU 16BIT 288KB FLASH 120LQFP

**Data sheet:**

**RoHS Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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PRODUCT PARAMETER	
<b>Part Number</b>	MB96F386RSCPMC-GS-158E2
<b>Description</b>	IC MCU 16BIT 288KB FLASH 120LQFP
<b>Quantity Available</b>	17747 pcs
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>Supplier Device Package</b>	120-LQFP (16x16)
<b>Series</b>	F <sup>3</sup> MC-16FX MB96380
<b>Program Memory Type</b>	FLASH
<b>Peripherals</b>	DMA, LCD, LVD, LVR, POR, PWM, WDT
<b>Package / Case</b>	120-LQFP
<b>Operating Temperature</b>	-40°C ~ 105°C (TA)
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Detailed Description</b>	F <sup>3</sup> MC-16FX F <sup>3</sup> MC-16FX MB96380 Microcontroller IC 16-Bit 56MHz 288KB (288K x 8) FLASH 120-LQFP (16x16)
<b>Core Size</b>	16-Bit
<b>Connectivity</b>	CANbus, EBI/EMI, I <sup>2</sup> C, LINbus, SCI, UART/USART
<b>Manufacturer</b>	<a href="#">Cypress Semiconductor</a>
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	
<b>Voltage - Supply (Vcc/Vdd)</b>	3 V ~ 5.5 V
<b>Speed</b>	56MHz
<b>RAM Size</b>	16K x 8
<b>Program Memory Size</b>	288KB (288K x 8)
<b>Packaging</b>	Tray
<b>Oscillator Type</b>	Internal
<b>Number of I/O</b>	96
<b>Manufacturer Standard Lead Time</b>	29 Weeks
<b>EEPROM Size</b>	-
<b>Data Converters</b>	A/D 16x10b
<b>Core Processor</b>	F <sup>3</sup> MC-16FX

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