

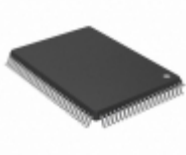
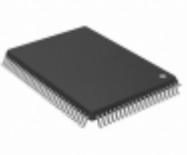
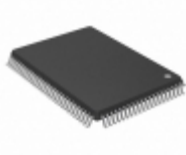
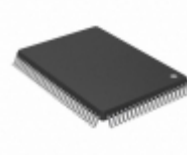
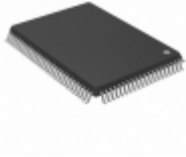
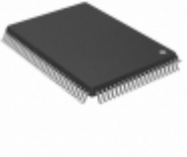
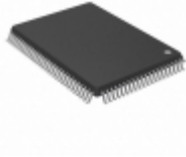
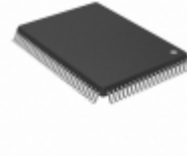
	<p><b>Manufacturer Part Number:</b> MB90F594GHPF-GSE1</p>
	<p><b>Manufacturer/Brand:</b> Cypress Semiconductor</p>
	<p><b>Part of Description:</b> IC MCU 16BIT 256KB FLASH 100QFP</p>
	<p><b>RoHs Status:</b>  Lead free / RoHS</p>
	<p><b>Stock Condition:</b> <sup>Compliant</sup> New original, Stock Available.</p>
	<p><b>Ship From:</b> Hong Kong</p>
	<p><b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS</p>
<p>Image may be representation. See specs for product details.</p>	

### Specifications

Part Number	MB90F594GHPF-GSE1
Manufacturer	Cypress Semiconductor
Description	IC MCU 16BIT 256KB FLASH 100QFP
Category	Integrated Circuits (ICs) > Embedded - Microcontrollers
Part Status	Require For Quote & Check Stock
Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Supplier Device Package	100-PQFP (20x14)
Speed	16MHz
Series	F <sup>2</sup> MC-16LX MB90590G
RAM Size	6K x 8
Program Memory Type	FLASH
Program Memory Size	256KB (256K x 8)
Peripherals	POR, PWM, WDT
Packaging	Tray
Package / Case	100-BQFP
Other Names	CY90F594GHPF-GSE1
Oscillator Type	External
Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	78
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 <sup>2</sup> MC-16LX F <sup>2</sup> MC-16LX MB90590G Microcontroller IC 16-
Data Converters	A/D 8x8/10b
Core Size	16-Bit
Core Processor	F <sup>2</sup> MC-16LX
Connectivity	CANbus, EBI/EMI, SCI, Serial I/O, UART/USART

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