

MB9BF529TBGL-GE1 Product Specifications

Performance

CPU: **32-bit**
Max CPU Clock Speed: **60 MHz**

Memory

Flash: 1536 kbytes	Flash Memory Size: 1536 kbytes
Flash Security (Read Protection): Yes	RAM: 192 kbytes
Dual Op Flash: 1536 kbytes	RAM (code & data): 192 kbytes
Work Flash: 64 kbytes	

System Peripherals

Ext IRQ: 33 Ch.	Low Voltage Detection (LVD): Yes
DMA: 8 Ch.	Cyclic Redundancy Check: Yes
Watchdog: 2	

Communications

UART: 16 Ch. (Max)	CAN: 1 Ch.
SIO: 16 Ch. (Max)	USB: 1 Ch.
I2C: 16 Ch. (Max)	External Bus: Yes

Timers

Base Timer: 16	Waveform Generator (WFG): 3 Ch. (Max)
Reload Timer: 17	Programmable Pulse Generator (PPG): 19 Ch. (Max)
Multi Function Timer (MFT): 1	
Quadrature Position/Revolution: 2 Ch.	Pulse Width Counter (PWC): 16 Ch. (Max)
Counter:	Pulse Width Modulator (PWM): 16 Ch. (Max)
Input Capture Unit (ICU): 4 Ch. (Max)	Real Time Clock (RTC): Yes
Output Compare Unit (OCU): 6 Ch. (Max)	

Analog

ADC: 24 Ch.	DAC: 2 Ch.
A/D Conversion Time: 2 µsec	DAC Resolution: 10-bit
A/D Resolution: 12-bit	

Others

GPIOs: **154**

Operating Conditions

Min Operating Voltage: 2.7 V	Min Operating Temperature: -40° (C)
Max Operating Voltage: 5.5 V	Max Operating Temperature: 105° (C)

Packaging

Package / Pin Count: **192**
Package Code: **BGA-192P-M06**
Package (pin/pitch): **"FBGA 192, 0.8"**