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## MB9BF112NPQC-G-JNE2

Status: In Production



### Datasheet



English



Chinese



Japanese

File Type: PDF

Updated: Jun 21, 2017

### Product Specs

### Packaging/Ordering

### Quality and RoHS

### Technical Documents

#### MB9BF112NPQC-G-JNE2

ADC Resolution	12
Automotive Qualified	N
CPU Core	ARM Cortex-M3
Data Flash (KB)	32
Flash Security (Read Production)?	Y
Max Clock Speed (MHz)	144
Max. Operating Temp. (°C)	70
Max. Operating Voltage (V)	5.50
Min. Operating Temp. (°C)	0
Min. Operating Voltage (V)	2.70
No. of ADC Channels	16
No. of Base Timers	8
No. of CAN Controllers	0
No. of DMA Channels	8
No. of DMA Channels (DSTC Type)	0
No. of Ethernet Ports	0
No. of GPIOs	83
No. of I2C Channels	8
No. of LIN Channels	8
No. of PWM Channels	8
No. of SPI	0
No. of UART Channels	8
No. of USB Ports	0
Part Family	FM3
Program Flash (KB)	128
SRAM (KB)	16
Tape & Reel	N
Total Flash (KB)	128

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Availability	Quantity	Ships In	Buy from Cypress	Buy from Distributors
Out of Stock	0	Please click <a href="#">here</a> to check lead times	<a href="#">Contact Sales</a>	<a href="#">Contact Sales</a>

\* Prices are shown in United States dollars and are for budgetary use only for volume of 1ku

### PACKAGING/ORDERING

No. of Pins	100
Package Cross Section Drawing	<a href="#">Download</a>
Package Carrier	TRAY
Package Carrier Drawing / Orientation	<a href="#">Package Orientation</a>

Standard Pack Quantity	1
Minimum Order Quantity (MOQ)	66
Order Increment	66
Estimated Lead Time (days)	105
HTS Code	8542.31.0001
ECCN Suball	3A991.A

## QUALITY AND ROHS

Moisture Sensitivity Level (MSL)	3
Peak Reflow Temp. (°C)	245 ( Cypress Reflow Profile)
RoHS Compliant	Y Print RoHS Certificate of Compliance
PB Free	Y
Lead/Ball Finish	Pure Sn
Marking	Cypress Marking Format

## TECHNICAL DOCUMENTS

**Application Notes (20)**

AN205399 - FM3 Microcontroller, Electrical Weight on Wash Machine Aug 27, 2017

AN205354 - FM3 Microcontroller with OOB Solution on BLDC Washer Aug 13, 2017

AN205353 - FM3 Microcontroller with Electrical Brake Application on BLDC Washer Aug 13, 2017

AN205408 - SMO Based Field Oriented Control Of Induction Motor With Speed Sensor For FM3 Microcontroller Aug 07, 2017

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