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DEMO9S08QG8

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Orderable Parts

**DEMO9S08QG8 : MC9S08QG8 Demo Board**

SUBSCRIBE

The DEMO9S08QG8 is a demonstration board for the MC9S08QG8 microcontroller. Development of application code is quick and easy with the integrated USB-to-BDM interface, CodeWarrior™ Development Studio, and software examples. A 32-pin connector allows connecting the DEMO9S08QG8 board to an expanded evaluation environment.

**Product Image****DEMO9S08QG8 Features**

- MC9S08QG8 CPU, 16-pin DIP, Socketed
  - 8K Byte Flash
  - 512 Bytes RAM
  - Internal 32 kHz Oscillator, trimmable to  $\pm 0.2\%$
  - 12 GPIO, 1 Input Only, 1 Output only
  - Timer Interface Module
  - SCI and SPI Communication Ports
  - IIC Module
  - 8 KBI inputs
  - 2-Ch, 16-bit, Timer Interface
  - 8-Ch, 10-bit Analog to Digital Converter (ATD)
  - Analog Comparator w/ internal compare
- USB-to-BDM Interface
- RS-232 Serial Port w/ DB9 Connector
- SPI, IIC ports available on Connector J1
- External 32.768 kHz Clock Oscillator Option
- Power Input Selection Jumper
  - Power input from USB-BDM
  - Power input from on-board regulator
  - Power input from Connector J1
  - Power output through Connector J1
- User Components Provided
  - 3 Push Switches; 2 User, 1 Reset
  - 3 LED Indicators; 2 User, 1 VDD
- Jumpers
  - USER\_EN
  - PWR\_SEL
  - COM\_SEL
  - VX\_EN
- Connectors
  - 32-pin MCU I/O Connector

- o 2.0mm Barrel Connector
  - o DB9 Serial Connector
- Specifications:
  - o Board Size 2.9 x 2.5
- Power Input:
  - o USB Cable - 500mA max
  - o PWR Connector - 9VDC typical, +7VDC to +18VDC

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**DEMO9S08QG8 Kit Contains**

- DEMO9S08QG8 Board
- CodeWarrior™ Development Studio CD
- CodeWarrior™ Development Studio Service Pack CD
- USB Cable
- Quick Start Guide
- User Manual
- Resource CD
- Packing List

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**DEMO9S08QG8 Documentation**

**Documentation  
Brochures**

ID and Description	Vendor ID	Format	Size K	Rev #	Date Last Modified
<b><u>BR8BITLOWEND</u></b> A Little 8-bit Goes a Long Way	FREESCALE	pdf	834	1	2/02/2006

**Users Guides**

ID and Description	Vendor ID	Format	Size K	Rev #	Date Last Modified
<b><u>DEMO9S08QG8QSG</u></b> DEMO9S08QG8 Quick Start Guide	FREESCALE	pdf	50	0.02	10/01/2005
<b><u>DEMO9S08QG8UG</u></b> DEMO9S08QG8 User Guide	FREESCALE	pdf	204	E	2/16/2006
<b><u>DEMO9S08QG8_APP</u></b> DEMO9S08QG8 Application User Guide	FREESCALE	pdf	250	0.02	10/01/2005

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**DEMO9S08QG8 Design Tools**

**Hardware Tools**

**Schematics**

ID and Description	Vendor ID	Format	Size K	Rev #	Availability
<b>DEMO9S08QG8SCH</b> DEMO9S08QG8 Schematics	FREESCALE	zip	111	C	<a href="#">Download</a>

**Software**

**Application Software**

**Code Examples**

ID and Description	Vendor ID	Format	Size K	Rev #	Availability
<b>DEMO9S08QG8APP</b> DEMO9S08QG8 Example Software	FREESCALE	zip	128	1.0	<a href="#">Download</a>
<b>DEMO9S08QG8TEST</b> DEMO9S08QG8 Example Software	FREESCALE	zip	77	1.0	<a href="#">Download</a>

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**Orderable Parts Information**

Order Availability	Part Number	Description	Tool Type	Status	Budgetary Price(\$US)	Compliance		RoHS Replacement Part
						Package Peak Temperature (°C)	RoHS	
<a href="#">Buy Direct</a> <a href="#">Buy from Distributor</a>	DEMO9S08QG8	MC9S08QH8 DEMO BOARD	Tested Packaged Module/Misc Hardware	Available	\$50.00	-		<a href="#">Contact Us</a> <a href="#">Contact Us</a>

**NOTE:**

- Not all orderable parts are offered through our online sampling program. For further assistance in selecting a similar part from within the program, please submit a [Request for a sample order advice](#).
- Refer to [Samples FAQ](#) for more information.
- Looking for an obsolete part? Check our new [part number search](#)

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