



**Freescale Semiconductor, Inc.**

*User's Manual*

*M68CPA08QF5264UM/D*

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# M68CPA08QF5264 Programming Adapter

## User's Manual

**Freescale Semiconductor, Inc.**

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## M68CPA08QF5264 Quick Start Guide

The M68CPA08QF5264 is a low-cost programming adapter for HC08 family MCUs. It is designed to work with programmers that use a 16-pin MON08 interface. It supports 52-pin 0.65mm QFP packages, 64-pin 0.5mm QFP packages and 64-pin 0.8mm QFP packages.

### 1 - Connect wire jumpers

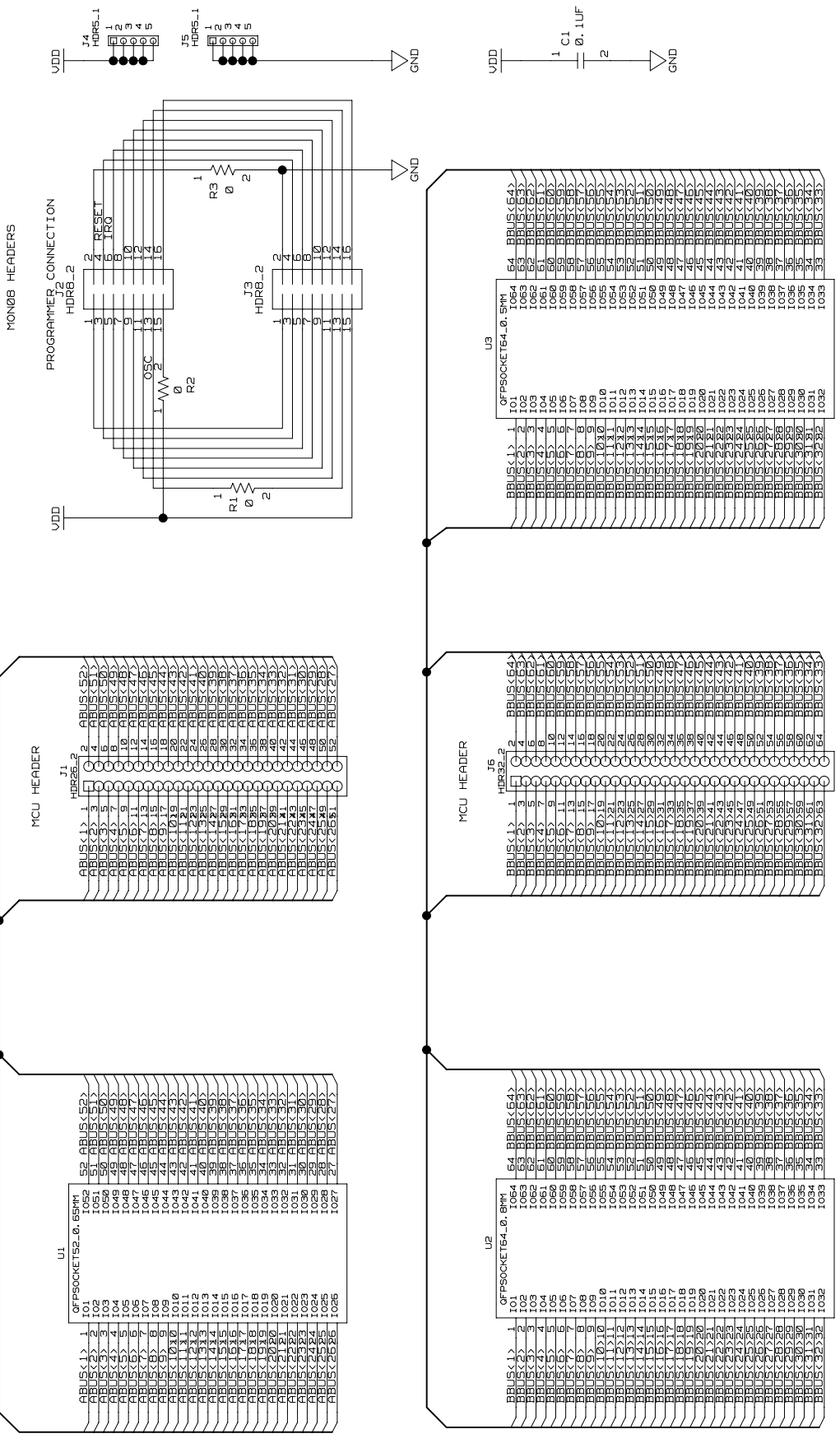
MON08 connector J3 has the same pin signals as connector J2. You must connect up to 16 supplied jumpers from J3 to J1 for 52-pin 0.65mm QFP devices, from J3 to J6 for 64-pin 0.8mm QFP or 64-pin 0.5mm QFP devices. These jumpers provide power and programming signals to the MCU. Connections will vary depending on the specific device you are using. Refer to the device data sheet and the programmer documentation for connection information.

### 2 - Insert a device to be programmed

Be sure that power is removed before inserting a device. Socket U1 is used for 52-pin 0.65mm QFP devices, socket U2 for 64-pin 0.8mm QFP devices or socket U3 for 64-pin 0.5mm QFP devices. Open the desired socket and insert device. You should not use force when closing the socket lid. Close the socket latch to secure the device.

### 3 - Connect the MON08 programmer and program the device

Connect a MON08 programmer to connector J2 of the programming adapter board. Be sure to verify that pin one of the programmer connects to pin one of connector J2. You may now use the programmer to program the inserted device. Refer to your programmer documentation for further operating instructions. Once the programmer indicates that the device has been properly programmed you may open the socket and remove the device.



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