User's Manual

M68CPA08QF80UM/D
Version 1.0
June 24, 2003

MOTOROLA
intelligence everywhere™

digital dna™

M68CPA08QF80 Programming Adapter

User's Manual

Important Notice to Users

While every effort has been made to ensure the accuracy of all information in this document, Motorola assumes no liability to any party for any loss or damage caused by errors or omissions or by statements of any kind in this document, its updates, supplements, or special editions, whether such errors are omissions or statements resulting from negligence, accident, or any other cause. Motorola further assumes no liability arising out of the application or use of any information, product, or system described herein: nor any liability for incidental or consequential damages arising from the use of this document. Motorola disclaims all warranties regarding the information contained herein, whether expressed, implied, or statutory, *including implied warranties of merchantability or fitness for a particular purpose*. Motorola makes no representation that the interconnection of products in the manner described herein will not infringe on existing or future patent rights, nor do the descriptions contained herein imply the granting or license to make, use or sell equipment constructed in accordance with this description.

Trademarks

This document includes these trademarks:

Motorola and the Motorola logo are registered trademarks of Motorola, Inc.

Windows is a registered trademark of Microsoft Corporation in the U.S. and other countries.

Intel is a registered trademark of Intel Corporation.

Motorola, Inc., is an Equal Opportunity / Affirmative Action Employer.

For an electronic copy of this book, visit Motorola's web site at http://e-www.motorola.com/

M68CPA08QF80 Quick Start Guide

The M68CPA08QF80 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 80-pin 0.5mm QFP and 80-pin 0.65mm QFP packages.

1 - Connect wire jumpers

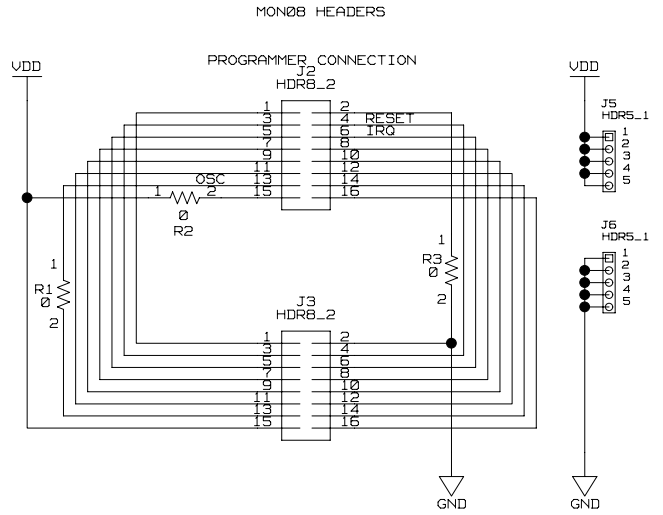
MON08 connector J3 has the same pin signals as connector J2. You must connect up to 16 supplied jumpers from J3 to J1 and J4 for either package type. These jumpers provide power and programming signals to the MCU. Connections will vary depending on the specific device you are using. Refer to the device data sheet and the programer documentation for connection information.

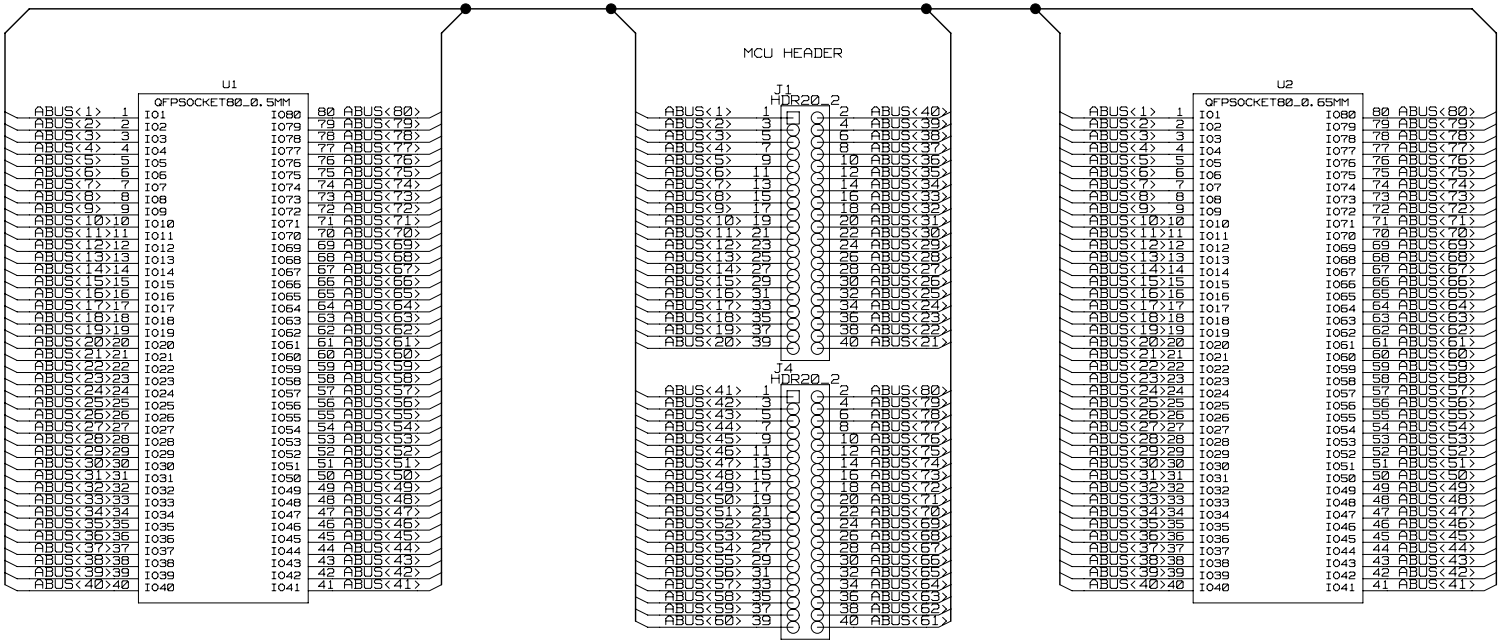
2 - Insert a device to be programmed

Be sure that power is removed before inserting a device. Socket U1 is used for 80-pin 0.5mm QFP devices and socket U2 for 80-pin 0.65mm 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.





For More Information On This Product,
Go to: www.freescale.com

Freescale Semiconductor, Inc.

SIZE	NAME: rev_o	DRAWING NO.	REV:
A	ROOT: rev_o	63A11340S	0
LAST_MODIFIED=Thu May 29 11:54:24 2003		SHEET 3 OF 3	

BILL OF MATERIALS - DRAWING NO. 01A11340B REV O for PWB P/N RE11340B contained in MPN: M68CPA08QF80

ITEM	QTY	REF DES	JEDEC	DESCRIPTION	MFGR	PART NUMBER	NOTES
1	1	C1	C300_CKR23	CAP CER 0.1uF 50V 20% Z5U TH	Kemet	C410C104M5U5CA	--
2	2	J1,J4	HDR220	HDR 2X20 TH 100mil CTR 330H Au	SAMTEC	TSW-120-07-S-D	--
3	1	J2	HDR208_4W	HDR 2X8 TH 100mil CTR 330H Au SHRD	Samtec	TST-108-01-S-D	--
4	1	J3	HDR208	HDR 2X8 TH 100mil CTR 330H Au	Samtec	TSW-108-08-G-D	--
5	2	J5,J6	HDR105	HDR 1X5 TH 100mil CTR 330H Au	Berg	68001-605	--
6	3	R1-R3	R600_MF50	RES TF 0 Ohm 1/4w 5%	Yageo/DigiKey	ZOR-25-R/ 0.0QTR-ND	--
7	1	U1	QFP80_PSOC_5MM_ENP	SKT 0.5mm 80 PINS	Enplas	FPQ-80-0.5-04	
8	1	U2	QFP80_PSOC_65MM_ENP	SKT 0.65mm 80 PINS	Enplas	FPQ-80-0.65-02B	
9	1	N/A		LABEL, PART NUMBER/REVISION 1"x 0.25" PRINTED WITH "RE11340B REV O"	VENDOR		
10	1	N/A		THA BARE BOARD (P/N RE11340)	DDI	RE11340F REV O	

Approval Date:06/02/03

HOW TO REACH US:

World Wide Web Address

Motorola: http://e-www.motorola.com

MOTOROLA