

User's Manual

M68CPA08W1628T20UM/D Version 1.1 January 12, 2004

# Freescale Semiconductor, Inc.





# M68CPA08W1628T20 Programming Adapter

User's Manual



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## User's Manual — M68CPA08W1628T20 Programming Adapter

# M68CPA08W1628T20 Quick Start Guide

The M68CPA08W1628T20 is a low-cost universal programmer for HC08 family MCUs. It is designed to work with programmers that use a 16-pin MON08 interface. It supports 7.5mm SOIC packages up to 28 pins, 5.3mm SOIC packages up to 16 pins and TSSOP packages up to 20 pins. If you wish to program TSSOP devices you must purchase and install socket U3 (Yamaichi part number IC51-0202-779).

### 1 - Connect wire jumpers

MON08 connector J3 has the same pin signals as connector J1. You must connect up to 16 supplied jumpers from J3 to J2 for 5.3mm SOIC devices, from J3 to J7 for TSSOP devices or from J3 to J6 for 7.5mm SOIC 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 programer documentation for connection information.

# 2 - Insert a device to be programmed

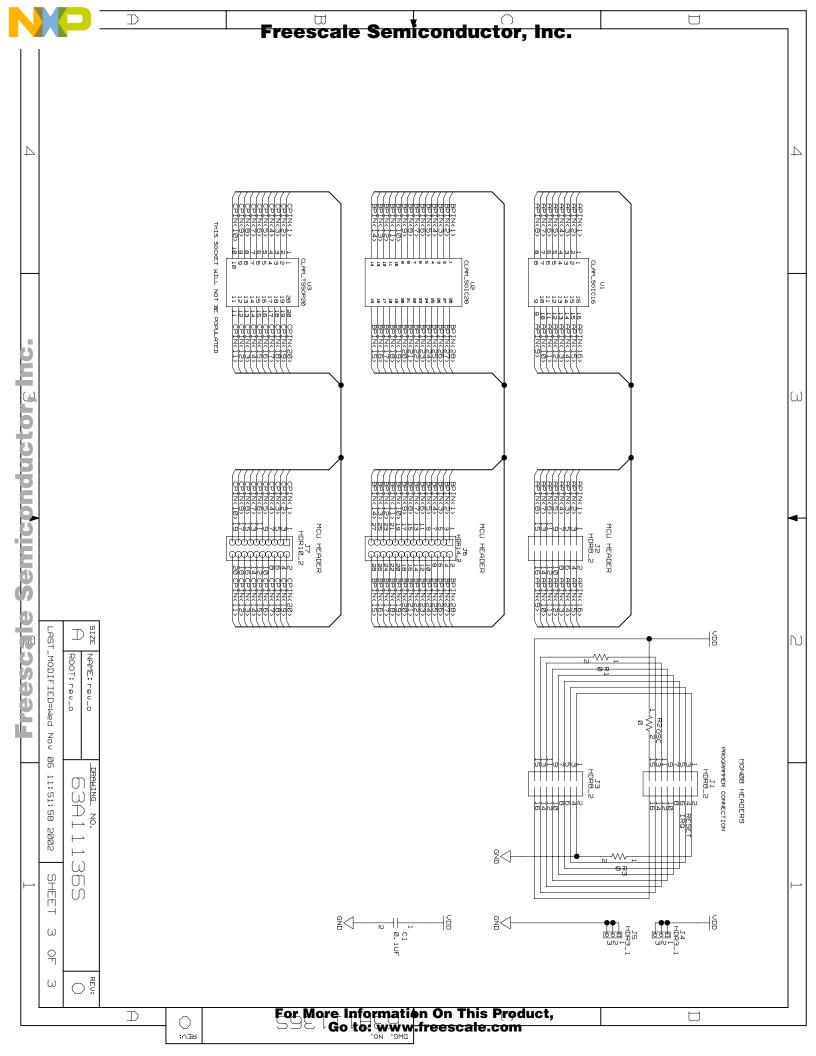
Be sure that power is removed before inserting a device. Socket U1 is used for 5.3mm SOIC devices, socket U3 for TSSOP devices or socket U2 for 7.5mm SOIC devices. Open the desired socket and insert device. You should not use force when closing the socket lid. Close the socket latch to secure the device.

# 3 - Connect the MON08 programmer and program the device

Connect a MON08 programmer to connector J1 of the programming adapter board. Be sure to verify that pin one of the programmer connects to pin one of connector J1. 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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M68CPA08W1628T20 Programming Adapter - Version 1.0



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•	12		11	10	9	8	7	6	5	4	3	2	1	ITEM
1	1		1	1	1	1	3	1	1	2	2	1	1	QTY
					U2	U1	R1-R3	J7	9F	J4,J5	J2,J3	J1	C1	REF DES
	N/A		N/A	N/A	SOIC28_PSOC_YAM	SOIC16_PSOC_YAM	R600_MF50	HDR210	HDR214	HDR103	HDR208	HDR208_4W	C300_CKR23	JEDEC
	PCB		SN / BC lbl	assembly ID / REV label	SOIC28_PSOC_YAM SKT CLAMSHELL SOIC 7.5mm 28 PINS	SOIC16_PSOC_YAM SKT CLAMSHELL SOIC 5.3mm 16 PINS	RES TF 0 Ohm 1/4w 5%	HDR 2X10 TH 100mil CTR 330H Au	HDR 2X14 TH 100mil CTR 330H Au	HDR 1X3 TH 100mil SP 330H Au	HDR 2X8 TH 100mil CTR 330H Au	HDR 2X8 TH 100mil CTR 330H Au SHRD	CAP CER 0.1uF 50V 20% Z5U TH	DESCRIPTION
	Interconnect Corp	Electronic	vendor	vendor	YAMAICHI	YAMAICHI	Yageo/DigiKey	SAMTEC	SAMTEC	BERG	Samtec	Samtec	Kemet	MFGR
	Interconnect Corp RE11136F REV O				IC51-0282-334-1	IC51-0162-902-2	ZOR-25-R/ 0.0QTR-ND	TSW-110-07-S-D	TSW-114-07-S-D	68001-603	TSW-108-07-G-D	TST-108-01-S-D	C410C104M5U5CA	PART NUMBER

**BILL OF MATERIALS - DRAWING NO. 01A11136B REV O** 

for PWB P/N RE11136B

contained in MPN: M68CPA08W1628T20

# NOTES:

Numbered Notes on the this BOM correspond to the numbered notes that are documented on Assembly Drawing 01A11136A

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

Long lead time part. Needs to have an alternate part identified and procured

Alternate suppliers are approved for passive components which are equivalent in fit, form and function

# **UNPOPULATED COMPONENTS**



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