

PAS08QF80 User's Manual

HC(S)08 Programming Adapter

PAS08QF80UM

Revision 0.1, June 2005



PAS08QF80 Quick Start Guide

The PAS08QF80 is a low-cost universal programming adapter for HC08 and HCS08 family MCUs. It is designed to work with programmers that use a 16-pin MON08 interface for HC08 MCUs or a 6-pin BDM interface for HCS08 MCUs. It supports 80-pin 0.5mm QFP and 80-pin 0.65mm QFP packages.

1 - Connect wire jumpers

MON08 connector J2 has the same pin signals as header J3. For MON08 programming, you must connect the supplied jumpers from J3 to J1 and J4. BDM connector J8 has the same pin signals as header J9. For BDM programming, you must connect the supplied jumpers from J8 to J1 and J4. Headers J5 and J6 provide additional jumper connections to VDD and GND for both MON08 and BDM interfaces. The jumpers provide power and programming signals from the programmer to the MCU in the socket. Connections will vary depending on the specific device you are using. Refer to the device data sheet and the programmer documentation for connection information.

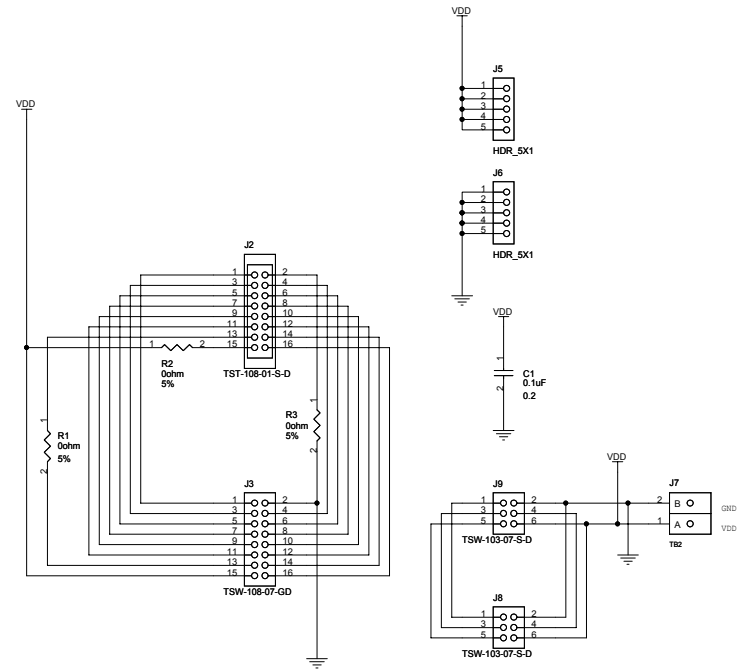
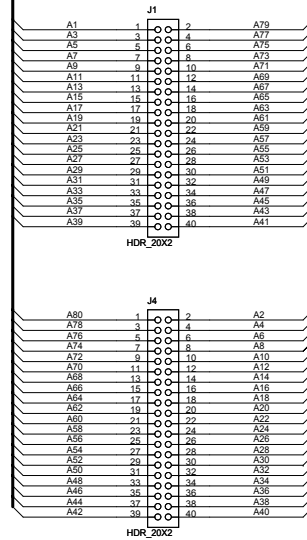
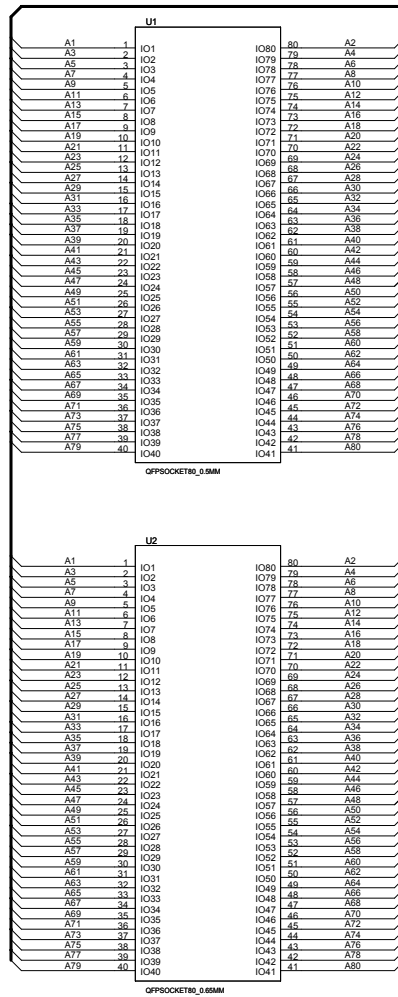
2 - Insert a device to be programmed

Be sure that power is removed before inserting a device. Socket U1 is used for 80-pin 0.5mm QFP devices and socket U2 for 80-pin 0.65mm QFP devices. Open the lever for the desired socket and insert the MCU. You should not use force when closing the socket lid. Close the socket latch to secure the device.

3 - Connect the MON08 or BDM programmer and program the device

Connect a MON08 programmer to connector J2 of the programming adapter board or connect a BDM programmer to connector J9 of the programming adapter board. Be sure to verify that pin one of the programmer cable connects to pin one of the connector. If you are programming using BDM, you may need to supply power using connector J7. 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 turn off power, open the socket and remove the device.

Item	Quantity	Reference	Part	Agile PN	Mfg_Name01	Mfg_PN01	Description
1	1	C1	0.1uF	150-75022	KEMET	C410C104M5U5CA	CAP CER 0.1UF 50V 20% Z5U TH
2	2	J1,J4	HDR_20X2	210-75447	SAMTEC	TSW-120-07-S-D	HDR 2X20 TH 100MIL CTR 330H AU
3	1	J2	TST-108-01-S-D	210-75459	SAMTEC	TST-108-01-S-D	HDR 2X8 TH 100MIL CTR 330H AU SHRD
4	1	J3	TSW-108-07-GD	210-11112-00	SAMTEC	TSW-108-07-GD	CONN,HEAD,2X8,STRAIGHT,OPEN
5	2	J5,J6	HDR_5X1	210-75443	FCI	68001-605	HDR 1X5 TH 100MIL CTR 330H AU
6	1	J7	TB2	210-75422	TYCO	1437671-1	CON 2 TB FLIP TH
7	2	J8,J9	TSW-103-07-S-D	210-75698	SAMTEC	TSW-103-07-S-D	HDR 2X3 TH 100MIL CTR 330 AU
8	3	R1,R2,R3	0ohm	470-75022	YAGEO AMERICA	ZOR-25-	RES TF 0 OHM 1/4W 5%
9	1	U1	QFP SOCKET80_0.5MM	210-75498	ENPLAS	FPQ-80-0.5-04	SKT 0.5MM 80 PINS QFP80_PSOC_5MM_ENP
10	1	U2	QFP SOCKET80_0.65MM	210-75499	ENPLAS	FPQ-80-0.65-02A	SKT 0.65MM 80 PINS QFP80_PSOC_65MM_ENP



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