MICROCONTROLLER TECHNOLOGY OTP PROGRAMMER SUPPORT APPLICATION NOTE

SUBJECT: COP8SAx7 and COP8SGx7 Programming Problems with COP8SG-EPU or COP8SA-EPU

PROBLEM and SYMPTOMS:
You have a COP8SG-EPU or COP8SA-EPU, and you are having programming problems with COP8SGx7 or COP8SAx7 devices.

SCOPE:
The COP8SA-EPU was released in 1997 to support the COP8SAx7 Family devices. This EPU does not have the 8SGx7 devices on its programming menu.

The COP8SG-EPU was released in May 1998 to support the COP8SGx7 Family devices. This EPU also has the 8SAx7 devices on its programming menu.

SOLUTIONS:

1. Check the programmer "device" menu for 8SGx and/or 8SAx listings.   The latest DOS software is available free from our web site and should include both.

   The windows software update is available, but only from Metalink for a small charge.

2. Next to the DIP programming socket, there is a 16-pin socket for an 8 pole 1-1 jumper block. This must be removed.

4. Check that Vpp is OK. With power on, there should be about 12.8-13.2V on ??

5. Check the date code of the parts you are programming.   You should be programming Rev B devices only (They will be marked with a B at the end of the NSID).   Earlier Rev A parts (No "B", and marked ES), were hard to program.

   You can use the earlier Rev A parts, but you must re-program them several times to get them to pass. Once they pass they can be used for **development ONLY.**

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