MICROCONTROLLER TECHNOLOGY OTP PROGRAMMER SUPPORT APPLICATION NOTE

SUBJECT: Designing with, and/or programming COP8SAx7 and COP8SGx7 devices with an older EPU, or other than COP8SG-EPU. or COP8SA-EPU

PROBLEM and SYMPTOMS:

You don't have a COP8SG-EPU or COP8SA-EPU, and you want to design with, and/or program COP8SGx7 or COP8SAx7 devices.

SCOPE:

The COP8SA-EPU was released in 1997 to support the COP8SAx7 Family devices.
The COP8SG-EPU was released in May 1998 to support the COP8SGx7 Family devices.

These EPUs are versions of the Metalink EPU **dedicated** to COP8SGx or COP8SAx design and debug, and are based on a newer PCB.

Other newer PCB boards should be able to support the **programming** of COP8SAx7 and COP8SGx7 devices, but will require updated software. They cannot be converted for design.

Older PCB (??) or earlier will not support the 8Sxx7 devices for programming or design.

SOLUTIONS:

1. Each EPU is dedicated to the **DESIGN** support of a particular COP8 Family or device type. Older EPUs, and other versions of the EPU, cannot be converted or updated to support the **design and debug** of 8SGx or 8SAx devices (However, programming is a separate issue).

2. Each EPU is capable of programming several family types of COP8 devices, depending on how old the EPU PCB is. **PCB v??** or earlier **will not** support the 8Sxx7 devices

   a. Any newer PCB ?? should program OK with a software update. The board is marked with a label, or the PCB number (?? or later) is in the etch.

   b. Check the programmer "device" menu for 8SGx and/or 8SAx listings. The latest DOS software for 8SAx7 programming support is available free from our web site.

   The new windows software update for 8SGx7 programming support is available, but only from Metalink for a small charge.

4. Your board is updated, and still having programming problems? Refer to AppEPU3.doc for more help.

For more information contact Dave Katra by EMAIL: dave.katra@nsc.com.
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