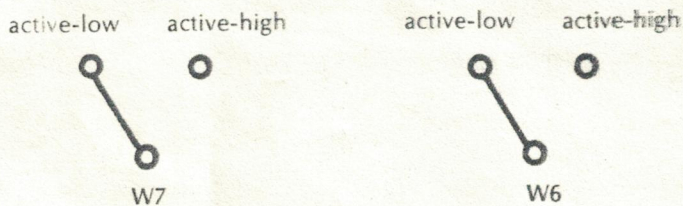# CEGMON installation — C1/C1E/UK101

The EPROM chip supplied is a plug-in replacement for the existing monitor ROM on your system. However, because of possible differences in the requirements of the existing ROM and 2516/2716 EPROMs, the chip-enable lines may need to be changed. The 2516/2716 needs pins 18 and 20 to be active-low, while pin 21 needs to be tied to +5V. On some systems these requirements may already be met partly or completely. (If your system is a UK101 running under Comp's *New Monitor*, for example, these changes will already have been made, and the following alterations will be unnecessary).

1   Identify and remove the existing monitor ROM. On OSI systems it is marked SYN600; on UK101 systems it will be marked MONUK101.

2   Check the underside of the board at the Monitor socket and see if its pins 20 and 21 are joined together. If they are, break the linking track. In all cases, link pin 21 to +5V with a short piece of insulated wire, either to pin 24 of the Monitor socket or to the VCC (+5V) rail just below the socket.

3   The chip-enable option links are on the component side of the board, immediately above the monitor socket. These should be set as shown below. If they are not already set in this way, cut the tracks pointing to active-high, and replace with a wire link connected to active-low.

4   Insert the EPROM into the monitor socket, taking the usual precautions to ensure correct orientation of the device and that no pins are folded under.

Apply power and hit the BREAK key (RESET keys on UK101). The screen should clear, and the message 'CEGMON(C)1980 D/C/W/M?' should appear at the top of the screen. If this does *not* happen, switch off and recheck that all the steps have been done correctly.

These modifications are standard changes which have been allowed for in the design of the board. If you are at all unsure of how to do them, get a friend or your dealer to do it for you.

C1E only

The standard C1E modification required that the ACIA address be changed to $FC00, in order to use the C2 monitor within SYN600 to drive the larger display. Under CEGMON, this should now be restored to its former address at $F000. This is done by re-moving four links and re-making four cut tracks, which are shown on the attached sheet.