CP 8xxx Series
On-Board Symbios SCSI Adapter

Symbios SCSI Controller Jumper Settings

The CP8xxxx board comes equipped to support an internal IDE drive. However, for applications that require external SCSI devices, an integrated Wide Ultra2 SCSI controller (Symbios 53C895) and an external SCSI cable connector (68-pin) can be ordered as an option. This SCSI controller supports both LVD and Single-Ended SCSI devices. The controller is enabled or disabled via a hardware jumper SJP1. (The "S' proceeding the "JP" designates the jumper is specific to SCSI functions.)

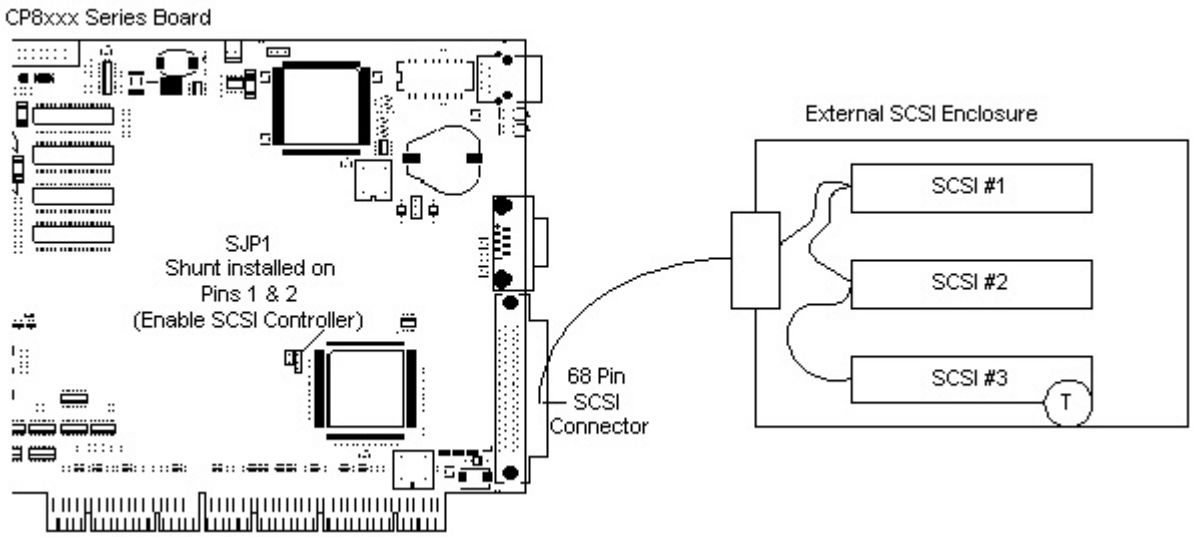
The SCSI controller is a bus master device which gains control of the PCI bus to transfer data between the CPU memory and the SCSI devices. The I/O base address and interrupts are set by the PCI plug and play BIOS at boot time.

If the SCSI controller is ordered, a SCSI configuration utility is available on boot-up of the board. Shortly after the SCSI BIOS information displays, the configuration program can be accessed by pressing "Control C". The configuration utility will allow you to scan the SCSI bus, change configuration options and view a list of SCSI devices connected to the board.

SJP1 - Enable/Disable SCSI Controller

As stated above, the on-board Symbios Wide Uttra2 SCSI controller can be enabled or disabled with SJP1 (see Figure above for SJP1 location).

The SCSI controller supports up to 15 external SCSI hard drives, either Ultra2 LVD SCSI or Single-Ended Wide SCSI devices. If Single-Ended Wide SCSI devices are used, the hard drive at the end of the Single-Ended Wide SCSI chain must have its termination load enabled. Consult the owners manual for the SCSI device for instructions on how to terminate. The figure below demonstrates SCSI termination enabled on the CP8xxx board, and termination of the external SCSI device at the end of the SCSI chain.



Drivers

Symbios 825A SCSI drivers can be downloaded by clicking on the link below.

Symbios SCSI Drivers (SCSI-SYM.EXE)