

# Installing Cache Memory Option on EISA and PCI RAID Controllers



Product Notes

EK-SM903-RF. A01

## Purpose:

These product notes explain how to install the optional cache memory module contained in this kit on 1- or 3-channel, EISA or PCI RAID controllers.

SWIRM-AA Cache Memory Option Kits replace the existing, smaller cache memory module on RAID

210 and 230 series controllers with a 16MB module. SWIRM-AB Kits contain a 32MB replacement module, but are otherwise identical to SWIRM-AA kits.

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## What You Need:

No tools are required to install the cache memory module. Three items are needed:

**1.** One, 1- or 3-channel, EISA or PCI RAID controller;

**2.** The cache memory module contained in this kit; and

**3.** These Product Notes.

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## Installing Cache Memory Module:

This procedure applies to 1 and 3-channel PCI and EISA RAID controllers. A PCI RAID controller is shown in all illustrations.

### CAUTION

To avoid static damage to the RAID controller board and cache memory module, wear a grounded wrist strap while installing the module.

### NOTE

Whenever it is necessary to remove the cache memory module, use your thumbs to spread the spring-loaded tabs mentioned in the following step. Then withdraw the module from its mating connector.

**1.** If battery backup board is installed on RAID controller, it must be temporarily removed. Remove board by pulling it straight back from controller. Put battery backup board aside, it will be installed again in step 6.

**2.** Remove existing cache memory module from controller as explained in Note preceding step 4, below. This module is a standard, 72-pin, 70-nanosecond PC single in-line memory module (SIMM).

**3.** Unpack cache memory module and position it above its mounting site on RAID controller as shown in Figure 1.

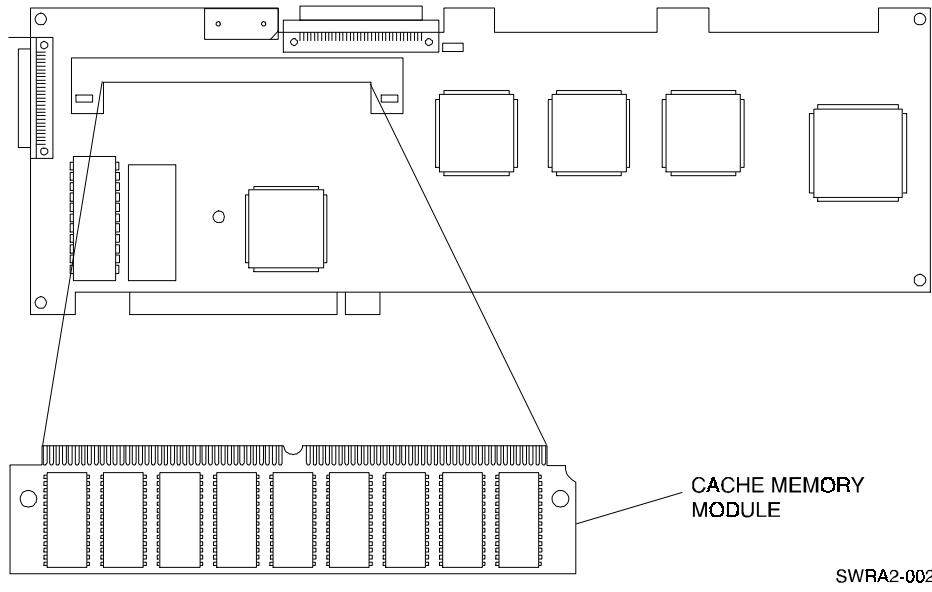
**4.** Insert cache memory module connector into mating connector on mounting site until spring-loaded tabs click, indicating connector is seated.

**5.** Figure 2 shows cache memory module installed on RAID controller. Continue with next step only if battery backup board was removed and put aside in step 1.

**6.** If battery backup board was removed in step 1, locate it before continuing with next step.

**7.** Install battery backup board on RAID controller so battery backup connector engages mating connector on controller, and white plastic locator stud enters locator hole on controller.

**Figure 1 Installing Cache Memory Module on PCI RAID Controller**



**Figure 2 Cache Memory Module Installed on PCI RAID Controller**

