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Find the *RadiSys EPC-1MS* at our website: *Click HERE*

EPC-1SE

Installation Instructions

RadiSys Corporation

19545 NW von Neumann Drive
Beaverton, Oregon 97006
(503) 690-1229
(800) 950-0044

07-0045-00

April 1990

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1 Introducing the EPC-1SE

The EPC-1SE SCSI extension module allows you to use an external SCSI device with your EPC-1. The EPC-1SE consists of a single-slot front panel with a standard D-subminiature SCSI connector (with bail fasteners) on a 50-pin SCSI cable. The SCSI cable has two 50-pin female connectors: one attaches to the hard disk on the EPC-1MS mass storage module; the other attaches to connector pins on the EPC-1P CPU module.

The EPC-1SE is designed to reside in the slot immediately to the right of the EPC-1MS (or immediately to the right of the EPC-1P if no mass storage module is present).

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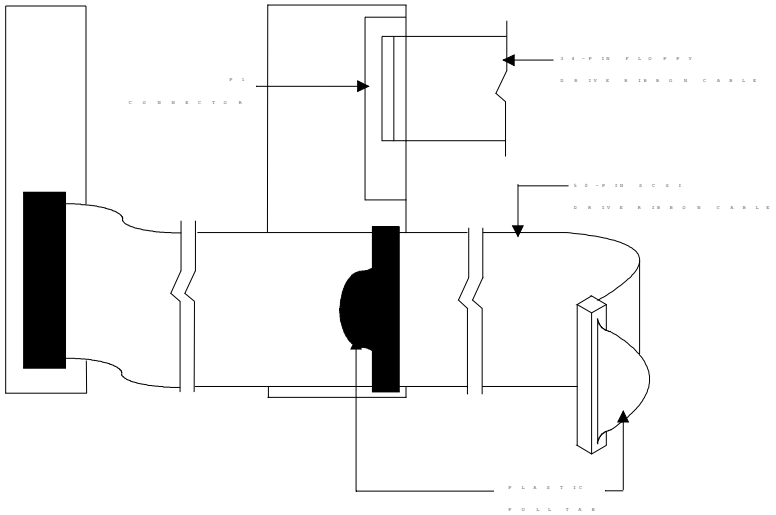
2 Installing the EPC-1SE

CAUTION: BEWARE OF POSSIBLE DAMAGE BY ELECTROSTATIC DISCHARGE. Please ground yourself and your work surface before performing the following procedures.

Note: If your EPC-1P CPU module and EPC-1MS disk module are already installed in the card cage, remove them and carefully unplug both ribbon cables from the EPC-1P.

2.1 On an EPC-1 System with an EPC-1MS Disk Module

Step 1: Figure 1 shows the EPC-1SE panel and the EPC-1MS mass storage module as seen from the rear. The upper ribbon cable on the EPC-1MS goes to the floppy drive; the wider SCSI cable below it goes to the hard disk. Remove the SCSI cable from the hard disk. With the EPC-1MS to the right of the EPC-1SE, as shown in Figure 1, attach the mid-cable SCSI connector to the EPC-1MS. The free end of the EPC-1SE SCSI cable extends to the right when the modules are viewed from the rear.



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FIGURE 1. *Left,* EPC-1SE (rear view); *right,* EPC-1MS (rear view)

Step 2: Lay the EPC-1P CPU module on a flat surface with its component side up and the VMEbus P1 and P2 connectors to the right (see Figure 2). Place the EPC-1MS mass storage module on its side next to the CPU module so its P1 connector faces the P1 connector of the CPU module, as shown in Figure 2. (Not shown in Figure 2, the EPC-1SE and its end of the SCSI cable lie flat, under the EPC-1MS, during this step.)

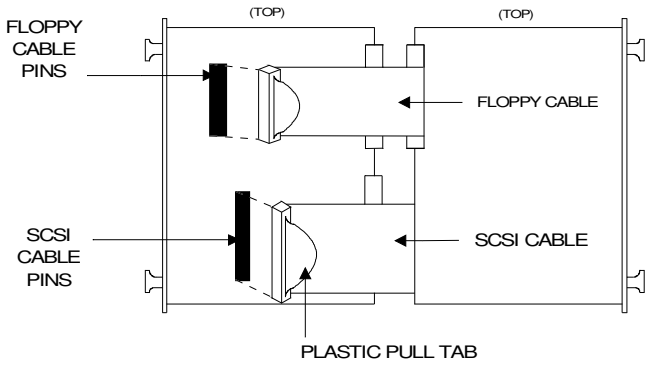


FIGURE 2. *Left,* EPC-1P; *right,* EPC-1MS

Step 3: As shown in Figure 2, attach the free SCSI connector to the SCSI cable pins on the CPU module. Connect the floppy drive ribbon cable to the floppy cable pins on the CPU module. Make sure that all connectors are fully seated on both the EPC-1MS and EPC-1P modules.

Step 4: Stand the connected modules on their bottom edges with their front panels facing you. Lift all three modules and align the cards with the VMEbus slots you mean them to occupy. Carefully slide the modules into the cardcage.

Step 5: Seat all modules firmly in the VMEbus backplane, and tighten all front panel mounting screws.

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Notes:

- The EPC BIOS recognizes only SCSI target units 0 and 1. To add more SCSI devices, you must obtain and load a SCSI device driver that recognizes SCSI target units 2 through 6.
- Jumpers on the hard disk in the EPC-1MS configure it as SCSI target unit 0. The EPC-1P BIOS designates SCSI target unit 0 as drive C (the default boot drive when no floppy is present in drive A). Make sure your external device is configured as SCSI target unit 1. The EPC-1P BIOS designates SCSI target unit 1 as the next available logical drive. (If your C drive has only one partition, the external device will be designated as drive D. If your C drive has two partitions, the external device will be designated as drive E.)

2.2 On an EPC-1 System with No Disk Module

Step 1: Remove the EPC-1P from the cardcage.

Step 2: Attach the 50-pin female SCSI connector at the end of the EPC-1SE SCSI cable to the SCSI cable pins on the EPC-1P.

Step 3: Carefully slide the EPC-1P into the cardcage and seat it firmly in the VMEbus backplane. Position the EPC-1SE front panel on the cardcage and tighten all front panel mounting screws.

Note: Make sure your external device is configured as SCSI target unit 0. Make sure, too, that it is set up as a device from which the EPC can be booted. The EPC-1P will attempt to boot from your external device if no floppy is present in drive A.

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3 If You Have Problems

If, after installing the SCSI extension module, the system appears not to be functioning correctly, please make sure all ribbon connectors are seated firmly on the correct pins. Make sure, too, that all modules are seated firmly in the VMEbus backplane.

If you encounter problems in using your EPC-1SE SCSI extension module, please call the RadiSys technical support hotline at (800) 950-0044 between the hours of 8AM and 5PM Pacific time.

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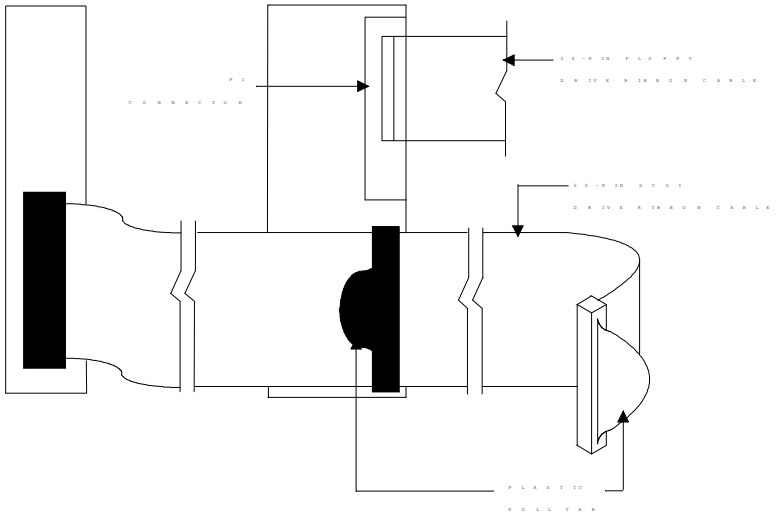
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Step 1: Figure 1 shows the EPC-1SE panel and the EPC-1MS mass storage module as seen from the rear. The upper ribbon cable on the EPC-1MS goes to the floppy drive; the wider SCSI cable below it goes to the hard disk. Remove the SCSI cable from the hard disk. With the EPC-1MS to the right of the EPC-1SE, as shown in Figure 1, attach the mid-cable SCSI connector to the EPC-1MS. The free end of the EPC-1SE SCSI cable extends to the right when the modules are viewed from the rear.



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FIGURE 1. *Left,* EPC-1SE (rear view); *right,* EPC-1MS (rear view)

Step 2: Lay the EPC-1P CPU module on a flat surface with its component side up and the VMEbus P1 and P2 connectors to the right (see Figure 2). Place the EPC-1MS mass storage module on its side next to the CPU module so its P1 connector faces the P1 connector of the CPU module, as shown in Figure 2. (Not shown in Figure 2, the EPC-1SE and its end of the SCSI cable lie flat, under the EPC-1MS, during this step.)

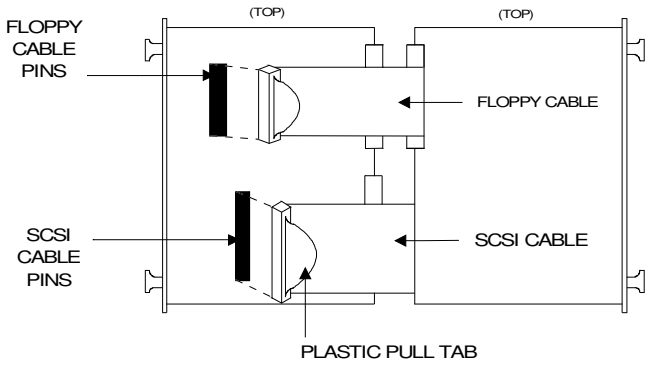


FIGURE 2. *Left,* EPC-1P; *right,* EPC-1MS

Step 3: As shown in Figure 2, attach the free SCSI connector to the SCSI cable pins on the CPU module. Connect the floppy drive ribbon cable to the floppy cable pins on the CPU module. Make sure that all connectors are fully seated on both the EPC-1MS and EPC-1P modules.

Step 4: Stand the connected modules on their bottom edges with their front panels facing you. Lift all three modules and align the cards with the VMEbus slots you mean them to occupy. Carefully slide the modules into the cardcage.

Step 5: Seat all modules firmly in the VMEbus backplane, and tighten all front panel mounting screws.

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Notes:

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1.2 On an EPC-1 System with No Disk Module

Step 1: Remove the EPC-1P from the cardcage.

Step 2: Attach the 50-pin female SCSI connector at the end of the EPC-1SE SCSI cable to the SCSI cable pins on the EPC-1P.

Step 3: Carefully slide the EPC-1P into the cardcage and seat it firmly in the VMEbus backplane. Position the EPC-1SE front panel on the cardcage and tighten all front panel mounting screws.

Note: Make sure your external device is configured as SCSI target unit 0. Make sure, too, that it is set up as a device from which the EPC can be booted. The EPC-1P will attempt to boot from your external device if no floppy is present in drive A.

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