RadiSys

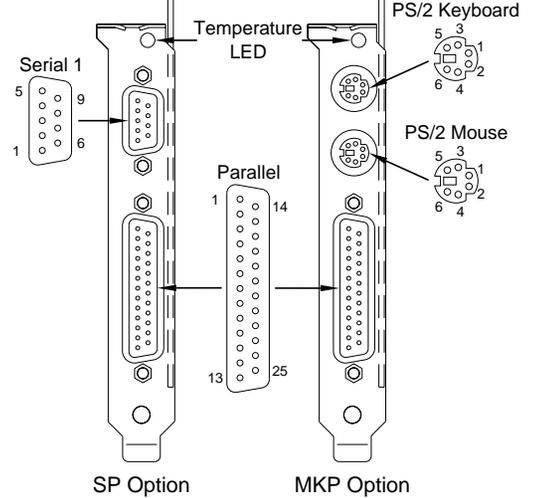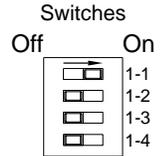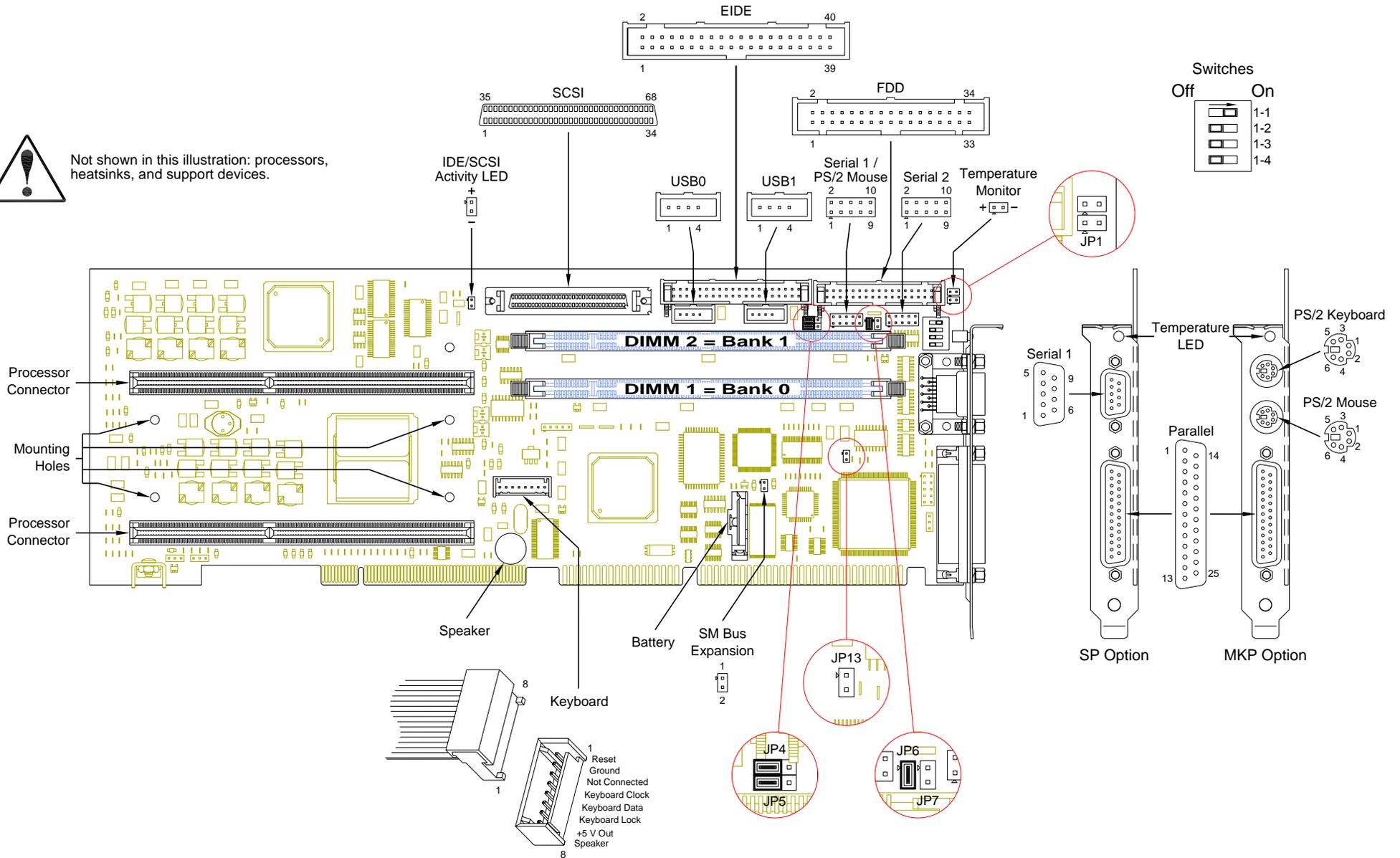# EPC-2222 (P2000(D)BX2)   Quick Reference Card

This card provides information to help you quickly configure, install, and operate your single-board computer. Keep this card in a convenient place for future use. See the back of this card for Web site, technical support, and start-up configuration settings.

Not shown in this illustration: processors, heatsinks, and support devices.

EIDE

SCSI

FDD

Switches

Off   On

1-1
1-2
1-3
1-4

IDE/SCSI Activity LED

USB0

USB1

Serial 1 / PS/2 Mouse

Serial 2

Temperature Monitor

JP1

DIMM 2 = Bank 1

DIMM 1 = Bank 0

Processor Connector

Mounting Holes

Processor Connector

Speaker

Keyboard

Battery

SM Bus Expansion

JP13

JP4

JP5

JP6

JP7

Serial 1

Temperature LED

PS/2 Keyboard

PS/2 Mouse

Parallel

SP Option

MKP Option

Reset
Ground
Not Connected
Keyboard Clock
Keyboard Data
Keyboard Lock
+5 V Out
Speaker

Technical and Product Support

Accessing the Web Site

In-depth printable service manuals and other documentation are available for download from the RadiSys Web site:

http://www.radisys.com

Then click on **Service and Support** to access a link to the manuals, addenda, drivers and BIOS. The documentation for current and discontinued products is available at this Web site in Adobe Acrobat .PDF format. Documentation may be read and printed using the free Acrobat Reader software.

Calling Technical Support

RadiSys Corporation provides live technical support Monday–Friday, 7:00 a.m.–6:00 p.m. Central Time in the continental USA and 8:30 a.m.–5:00 p.m. in Europe.

To expedite your request, have the RadiSys product model and serial number available. Then call one of the following numbers:

- Inside the continental USA, dial 1-800-438-4769.
- Outside the continental USA, dial 713-541-8200 (add long distance/international codes).
- In Europe, dial +31-36-5365595.

Inspection of Contents / Packaging of Product

This product has been tested to assure reliable packaging that will withstand responsible handling by the carrier.
Caution: Inspect contents immediately and file a claim with the delivering carrier for any damage.Save the shipping box and packaging material. It should be used for any further shipment of this equipment.
If packaging is damaged and is not suitable for shipping, call RadiSys Technical Support to obtain new packaging. The warranty may be void if the product is returned using unapproved or damaged original packaging.

Returning Your Product

If you are returning a product, place the Returned Material Authorization (RMA) number, along with the product serial number, on the packaging materials and correspondence.

Note: The factory does not accept RMAs sent freight collect.

Quick Start

To begin operating your EPC-2222, perform the following:

1. Ensure that all jumper settings match your requirements.
2. Ensure that all switch settings match your requirements.
3. Install the SBC onto a passive backplane in a chassis.
4. Attach all necessary peripheral devices to the appropriate headers and connectors on the SBC.
5. Power-on the system.
6. Run the Setup Utility if you need to change any settings to match your requirements.
   Note: See the table "Setup Utility" for factory default settings.

⚠ To avoid damage or injury, always exercise the following precautions when handling the equipment:
- Use a grounding wrist strap or other static-dissipating device
- Power-off the system
- Disconnect all power cords

Jumper Settings

2-Pin Jumpers

JP1	JP6	JP7	JP13	Serial 2 Configuration
None	1–2	None	None	RS-232 (default)
1–2	None	1–2	1–2	RS-422

3-Pin Jumpers

JP4	JP5	I/O Model
1—2	1—2	SP Model
2—3	2—3	MKP Model

Switch Settings

SW1-1	Not Used	
SW1-2	**On-Board ROM Access**	
	Open/Off	Flash Memory enabled (default)
	Closed/On	Crisis Recovery Mode enabled
SW1-3	**CMOS RAM**	
	Open/Off	Normal operation (default)
	Closed/On	Factory default values are loaded
SW1-4	**Configuration Ports**	
	Open/Off	M3.0 I/O address 270–273 (default)
	Closed/On	Map ports to I/O address 370–373

Setup Utility

Note: The alternating white and shaded areas in the tables below represent individual screens in the Setup Utility.

Setup Item	Default Setting
System Time	*Current (Hours, Minutes, Seconds)*
System Date	*Current (Month, Day, Year)*
Legacy Diskette A	1.44/1.25 MB 3½"
Legacy Diskette B	Disabled
IDE Adapter Type	Auto (all 4 possible drives)
Memory Cache	Enabled
Cache System BIOS Area	Write Protect
Cache Video BIOS Area	Write Protect
Cache Base 0–512 KB	Write Back
Cache Base 512–640 KB	Write Back
Cache Extended Memory Area	Write Back
Cache A000–EFFF	Disabled (all regions)
Boot Summary Screen	Enabled
Floppy Check	Disabled
Quiet Boot Screen	Enabled
POST Errors	Enabled
Hard Disk Pre-Delay	3 sec
Keyboard Numlock	Auto
Key Click	Disabled
Keyboard Auto-Repeat Rate	30/sec
Keyboard Auto-Repeat Delay	1/2 sec
Serial Port A	3F8/IRQ4
Serial Port B	2F8/IRQ3

Setup Utility (continued)

Setup Item	Default Setting
Parallel Port	Bi-Directional, 378, IRQ7
Floppy Disk: Base I/O Address	Enabled, Primary
Local Bus IDE Adapter	Enabled
Adaptec Ultra-2 SCSI Adapter	Disabled
ECC Config	EC
Enable Memory Gap	Disabled
Alias ISA 512 — 528 MB	Disabled
DMA Aliasing	Enabled
16-Bit I/O Recovery	4.5
8-Bit I/O Recovery	4.5
Watchdog Timer Status	Disabled
Watchdog Timer Delay	1.2 sec
ISA Bus GAT	Disabled
PCI Delayed Transactions	Enabled
PCI IRQ Line 1 — 4	Auto Select (all IRQ lines)
USB IRQ Enable	Yes
Latency Timer	Auto
Cache Line Size	Auto
ISA Graphics Device Installed	No
PCI/PNP ISA UMB Region Exclusion	Available (All regions)
PCI/PNP ISA IRQ Resource Exclusion	Available (All IRQ's)
System Alarm Temperature (°C)	60
CPU Alarm Temperature (°C)	110
Thermal Duty Cycle	37.5%
PS/2 Mouse	Auto Detect
Onboard Speaker	Enabled
Use Multiprocessor Specification	1.1
CPU BIOS Update	Enabled
Plug & Play O/S	No
Secured Setup Configuration	Yes
Reset Configuration Data	No
Large Disk Access Mode	DOS
Password on Boot	Disabled
Fixed Disk Boot Sector	Normal
Diskette Access	Supervisor
Virus Check Reminder	Disabled
System Backup Reminder	Disabled
Power Savings	Disabled
Standby Timeout	Off
Auto Suspend Timeout	Off
Hard Disk Timeout	Disabled
Video Timeout	Disabled
Resume on Modem Ring	Off
Resume on Time	Off
Resume Time	00:00:00 (24-hour format)
Console Redirect Port	Disabled
Console Redirect Baud Rate	9600