



# Netra™ CP2300 cPSB Transition Card Product Note

---

Sun Microsystems, Inc.  
4150 Network Circle  
Santa Clara, CA 95054 U.S.A.  
650-960-1300

Part No. 816-7187-10  
March 2003, Revision A

Send comments about this document to: [docfeedback@sun.com](mailto:docfeedback@sun.com)

Copyright 2003 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Sun Microsystems, Inc. has intellectual property rights relating to technology embodied in the product that is described in this document. In particular, and without limitation, these intellectual property rights may include one or more of the U.S. patents listed at <http://www.sun.com/patents> and one or more additional patents or pending patent applications in the U.S. and in other countries.

This document and the product to which it pertains are distributed under licenses restricting their use, copying, distribution, and decompilation. No part of the product or of this document may be reproduced in any form by any means without prior written authorization of Sun and its licensors, if any.

Third-party software, including font technology, is copyrighted and licensed from Sun suppliers.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and in other countries, exclusively licensed through X/Open Company, Ltd.

Sun, Sun Microsystems, the Sun logo, AnswerBook2, docs.sun.com, OpenBoot, Netra, and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and in other countries.

All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and in other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc.

The OPEN LOOK and Sun™ Graphical User Interface was developed by Sun Microsystems, Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees who implement OPEN LOOK GUIs and otherwise comply with Sun's written license agreements.

U.S. Government Rights—Commercial use. Government users are subject to the Sun Microsystems, Inc. standard license agreement and applicable provisions of the FAR and its supplements.

DOCUMENTATION IS PROVIDED "AS IS" AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

---

Copyright 2003 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, Etats-Unis. Tous droits réservés.

Sun Microsystems, Inc. a les droits de propriété intellectuelle relatants à la technologie incorporée dans le produit qui est décrit dans ce document. En particulier, et sans la limitation, ces droits de propriété intellectuelle peuvent inclure un ou plus des brevets américains énumérés à <http://www.sun.com/patents> et un ou les brevets plus supplémentaires ou les applications de brevet en attente dans les Etats-Unis et dans les autres pays.

Ce produit ou document est protégé par un copyright et distribué avec des licences qui en restreignent l'utilisation, la copie, la distribution, et la décompilation. Aucune partie de ce produit ou document ne peut être reproduite sous aucune forme, par quelque moyen que ce soit, sans l'autorisation préalable et écrite de Sun et de ses bailleurs de licence, s'il y en a.

Le logiciel détenu par des tiers, et qui comprend la technologie relative aux polices de caractères, est protégé par un copyright et licencié par des fournisseurs de Sun.

Des parties de ce produit pourront être dérivées des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux Etats-Unis et dans d'autres pays et licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, AnswerBook2, docs.sun.com, OpenBoot, Netra, et Solaris sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux Etats-Unis et dans d'autres pays.

Toutes les marques SPARC sont utilisées sous licence et sont des marques de fabrique ou des marques déposées de SPARC International, Inc. aux Etats-Unis et dans d'autres pays. Les produits portant les marques SPARC sont basés sur une architecture développée par Sun Microsystems, Inc.

L'interface d'utilisation graphique OPEN LOOK et Sun™ a été développée par Sun Microsystems, Inc. pour ses utilisateurs et licenciés. Sun reconnaît les efforts de pionniers de Xerox pour la recherche et le développement du concept des interfaces d'utilisation visuelle ou graphique pour l'industrie de l'informatique. Sun détient une licence non exclusive de Xerox sur l'interface d'utilisation graphique Xerox, cette licence couvrant également les licenciées de Sun qui mettent en place l'interface d'utilisation graphique OPEN LOOK et qui en outre se conforment aux licences écrites de Sun.

LA DOCUMENTATION EST FOURNIE "EN L'ÉTAT" ET TOUTES AUTRES CONDITIONS, DECLARATIONS ET GARANTIES EXPRESSES OU TACITES SONT FORMELLEMENT EXCLUES, DANS LA MESURE AUTORISEE PAR LA LOI APPLICABLE, Y COMPRIS NOTAMMENT TOUTE GARANTIE IMPLICITE RELATIVE A LA QUALITE MARCHANDE, A L'APTITUDE A UNE UTILISATION PARTICULIERE OU A L'ABSENCE DE CONTREFAÇON.



Adobe PostScript

# Contents

---

|                                                                |          |
|----------------------------------------------------------------|----------|
| <b>Netra CP2300 cPSB Transition Card Product Note</b>          | <b>1</b> |
| Locating Product Information and Documentation on the Internet | 2        |
| Checking the Contents of Your Shipment                         | 3        |
| Notes of Caution                                               | 3        |
| Safety Considerations                                          | 5        |
| Software Information                                           | 5        |
| Hardware Information                                           | 6        |
| Technical Support                                              | 6        |



# Netra CP2300 cPSB Transition Card Product Note

---

The following sections of this document describe important information about the Netra™ CP2300 CompactPCI packet switched backplane (cPSB) transition card:

- “Locating Product Information and Documentation on the Internet” on page 2
- “Checking the Contents of Your Shipment” on page 3
- “Notes of Caution” on page 3
- “Safety Considerations” on page 5
- “Software Information” on page 5
- “Hardware Information” on page 6
- “Technical Support” on page 6

The Netra CP2300 cPSB transition card (Sun™ part no. XCP2300-TRN) works with the Netra CP2300 cPSB node board.

The 6U form factor, single-slot transition card supplies rear I/O connection to support additional peripherals for use with the compatible Netra CP2300 cPSB board. The rear I/O access allows the Netra CP2300 board to be replaced without disconnecting cables.

---

# Locating Product Information and Documentation on the Internet

You can find information on the Netra CP2300 cPSB transition card at the product web site:

<http://www.sun.com/products-n-solutions/nep/hardware/boards/cp2300>

For a feature list and other technical details on the Netra CP2300 cPSB transition card, refer to the *Netra CP2300 cPSB Transition Card Installation and Technical Reference Manual* (816-7188-xx). The most recent version of this manual, as well as other Netra CP2300 board documents, can be downloaded from the following hardware documentation web site:

[http://www.sun.com/products-n-solutions/hardware/docs/CPU\\_Boards](http://www.sun.com/products-n-solutions/hardware/docs/CPU_Boards)

If you are not able to access the document from the previous site, you can access the documentation at:

<http://www.sun.com/documentation>

---

**Note** – Do not install the Netra CP2300 transition card before reading the *Netra CP2300 cPSB Transition Card Installation and Technical Reference Manual* (816-7188-xx) and the *Netra CP2300 cPSB Board Installation and Technical Reference Manual* (816-7186-xx).

---

---

# Checking the Contents of Your Shipment

Be sure to check the contents of your package. The Netra CP2300 cPSB transition card kit contains the following:

- Netra CP2300 transition card assembly, XCP2300-TRN (375-3134-xx)
- *Netra CP2300 cPSB Transition Card Product Note* (816-7187-xx)
- *Important Safety Information for Sun Hardware Systems* (816-7190-xx)

If any of the items are missing or damaged, contact your authorized Sun representative indicated in the section “Technical Support” on page 6. A Netra CP2300 cPSB transition card (375-3134-xx) may be used with the Netra CP2300 cPSB board assembly CP2300-650-512 (375-3121-xx).

---

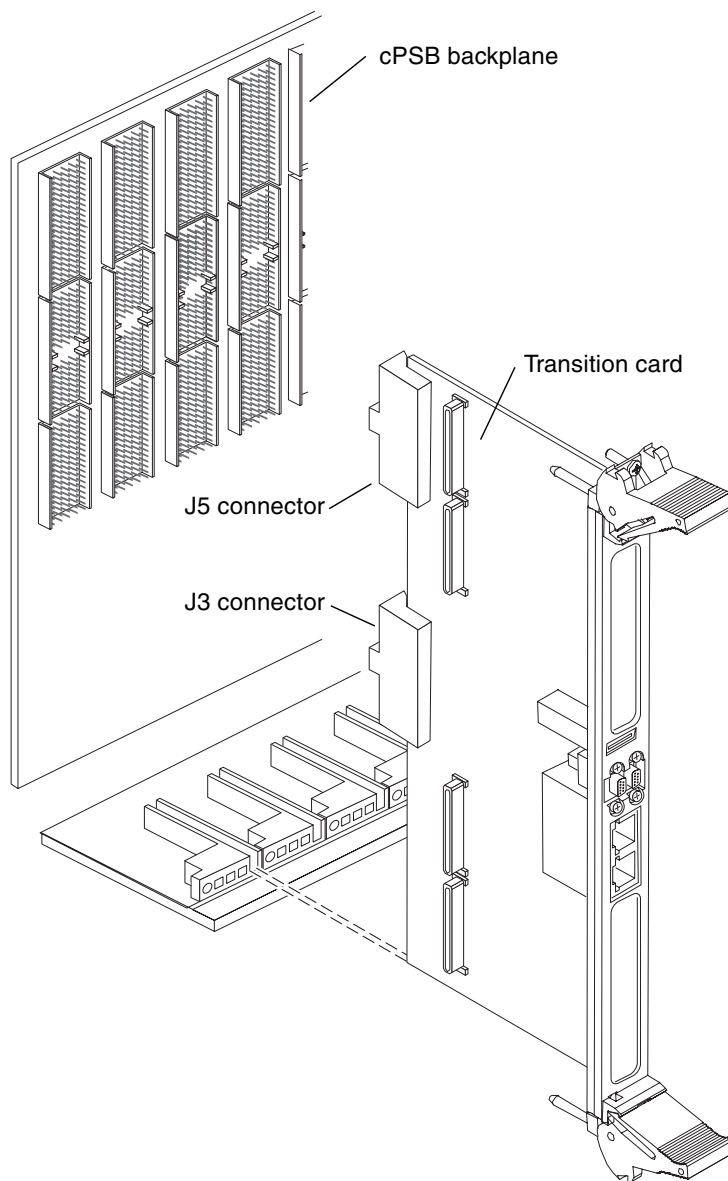
**Note** – Please keep the Sun packaging as this will be required for the return of any failed units for repair. If any of the items are missing or damaged, contact your local sales representative or field applications engineer (FAE).

---

---

## Notes of Caution

1. The Netra CP2300 cPSB transition card part number, date code, and revision number are identified on board labels. See “Technical Support” on page 6 for more label information. Before installing the transition card, verify the board’s part number (for example, 3753134) to ensure that the correct transition card will be installed into the cPSB system.
2. Ensure that the Netra CP2300 cPSB transition card is perpendicular to the backplane when it is connected to the backplane pins. Careless vertical or angular positioning during board insertion can result in damage to the backplane and subsequent electrical destruction of the transition card and the corresponding Netra CP2300 board. See FIGURE 1 for an illustration of how to properly align the transition card with the backplane connectors.



**FIGURE 1** Netra CP2300 cPSB Transition Card Alignment During Installation



---

# Safety Considerations

For general safety information, refer to *Important Safety Information for Sun Hardware Systems* (816-7190-xx).

For information on board-specific safety requirements, refer to the *Netra CP2300 cPSB Board Installation and Technical Reference Manual* (816-7186-xx) and the *Netra CP2300 cPSB Transition Card Installation and Technical Reference Manual* (816-7188-xx). You can find these manuals at the following documentation web site:

[http://www.sun.com/products-n-solutions/hardware/docs/CPU\\_Boards](http://www.sun.com/products-n-solutions/hardware/docs/CPU_Boards)

To avoid injury to yourself or damage to the system, follow these guidelines when installing a Netra CP2300 transition card:

- The Netra CP2300 cPSB transition card installation procedure must be performed only by qualified technicians.
- Before installing or removing the Netra CP2300 cPSB transition card, power off the cPSB system. However, if the cPSB system is on and running, the Netra CP2300 cPSB transition card should be inserted *first*, followed by the associated Netra CP2300 cPSB node board.

---

# Software Information

The Netra CP2300 cPSB transition card supports the Netra CP2300 cPSB board. The card therefore supports the same software supported by the Netra CP2300 board. Refer to the *Netra CP2300 cPSB Board Installation and Technical Reference Manual* (816-7186-xx) for information about the Netra CP2300 board software.

---

# Hardware Information

Before installing or removing the Netra CP2300 cPSB transition card, turn off the power to the cPSB system. However, if the cPSB system or chassis is already powered on and running, the Netra CP2300 cPSB transition card should be inserted *first*, followed by the associated Netra CP2300 board.

Refer to the *Netra CP2300 cPSB Transition Card Installation and Technical Reference Manual* (816-7188-xx) and the *Netra CP2300 cPSB Board Installation and Technical Reference Manual* (816-7186-xx) for further hardware information.

---

# Technical Support

If you have any technical questions or issues that are not addressed in the Netra CP2300 documentation set or by the Netra CP2300 web site, or you need to return the Netra CP2300 cPSB transition card, contact your local Sun Enterprise Services. For customers in the U.S. or Canada, please call 1-800-USA-4SUN (1-800-872-4786). For customers in the rest of the world, find the World Wide Solution Center nearest you by visiting our web site:

<http://www.sun.com/service/contacting/solution.html>

When you call Enterprise Services, be sure to indicate that the Netra CP2300 cPSB transition card was purchased separately and is not associated with a system. Please have the card identification information ready.

The Netra CP2300 cPSB transition card part number, serial number, and revision can be found on stickers located on the board labels. For proper identification of the board, please find the Sun Microsystems barcode label on the board. The barcode label provides the following information:

- Board part number (for example, 3753134) which is the first seven digits on the barcode label. The next six digits are the board serial number (for example, 005609).
- Product part number (for example, 6915), product dash (for example, 02) and revision number (for example REV 57).
- Board date code (for example, 03/03, which represents the third week of year 2003).
- Country of origin (for example, Assembled in Taiwan)