

Lucent Technologies
Bell Labs Innovations



Installing Optional Circuit Cards

Super Serial Circuit Card



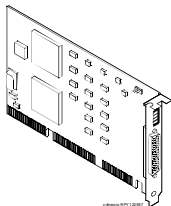
The asynchronous circuit card allows you to connect the Lucent Intuity system to external peripheral equipment.

NOTE:

If you are installing the super serial circuit card, the system cannot be equipped with the multi-port serial circuit card.

Click on the graphic for a larger view.

Super Serial Circuit Card



To install the circuit card:

1. Set the jumpers.
2. Set the switches.
3. [Determine the appropriate slot location.](#)
4. Install the circuit card using the [general circuit card installation procedure.](#)
5. [Install the super serial circuit card driver.](#)

Jumper Settings




pixase LJK 022599

Switch Settings



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 Procedure completed.

Installing the Super Serial Circuit Card Driver

To install the driver:

1. Start at the [Lucent Intuity Main Menu](#) and select:

```
UNIX Management
  Equinox Administration
```

The system displays the [Equinox Driver Installation Window](#).

2. Enter **SST**

The system displays the following message:

```
This seems to be an ISA system is this correct (Y/n)?
```

3. Enter **y**

The system displays the following message:

```
The following I/O ports appear to be free for use by Equinox ISA
boards:
```

```
220 240 260 2a8 2c8 320 360 380 3a8 3c8
```

```
Should the driver automatically configure all Equinox ISA
boards (Y/n)
```



Continue, press PAGE DOWN.

4. Enter y

The system displays the following message:

```
You may enable a selection of baud rates above 30400 for all
ports by answering "Yes" to the following question.
```

```
If you enable baud rates above 30400 speeds below 300 baud will
be unavailable.  Speeds 300 to 30400 are unaffected.
```

```
The high baud rates are selected according to the following
table:
```

57600	B50
76800	B75
115200	B118
2030400	B134 (depending on board/module type)

```
Enable high baud rate selection (y/N)?
```

5. Enter n

The system displays a series of messages and then the following message:

```
Tunable Parameter SEGKMEM_BYTES is currently set to 0x1E00000
is it OK to change it to 0xF000000 (y/n)
```




Continue, press PAGE DOWN.

6. Enter y

The system displays the following message:

```
Successfully installed the Equinox driver.
```

```
Press <Enter> to continue
```

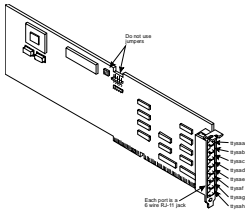
 Procedure completed.

Multi-Port Serial Circuit Card



Click on the graphic for a larger view.

Multi-Port Serial Circuit Card



The multi-port serial circuit card has eight serial ports. Each port is a 6-wire, RJ-11 modular jack.

Modular adapters convert the modular jacks to RS-232 connectors. You need one adapter for each device to be connected. All eight serial ports can be used for modem, terminal, or other DTE or DCE components, provided they are not being used for switch integration.

You can install only one multi-port serial circuit card in the platform.

The multi-port serial circuit card requires no hardware configuration. Verify that no jumpers are set on this card.

To install the circuit card:

1. [Determine the appropriate slot location.](#)
2. Install the circuit card using the [general circuit card installation procedure](#).
3. [Install the multi-port serial circuit card driver.](#)

 Procedure completed.

Installing the Multi-Port Serial Circuit Card Driver

To install the driver:

1. Start at the [Lucent Intuity Main Menu](#) and select:

UNIX Management
Equinox Administration

The system displays the [Equinox Driver Installation Window](#).

2. Press F2 (Choices).

The system displays the [Equinox Circuit Card Choices Menu](#).

3. Select:

8CS

The system displays the Equinox Copyright screen.



Continue, press PAGE DOWN.

Installing the Multi-Port Serial Circuit Card Driver

4. Press ENTER.

The system displays the following message:

```
What do you wish to install:
```

```
(1) MEGAPORT  
(2) MEGAPLEX  
(H) Help
```

```
Enter 1 or 2 [1]:
```

5. Press ENTER.

The system displays the following message:

```
Up to 10 MEGAPORT boards may be installed.
```

```
Enter number of boards to install [1]:
```

6. Press ENTER.

The system displays the following message:

```
Early version MEGAPORT boards required a 64 KB buffer block  
instead of the 8 KB block used by boards currently being  
manufactured.
```

```
Are you installing any early version MEGAPORT boards which  
require a 64 KB buffer block? (Y/N/H)[N]:
```



Continue, press PAGE DOWN.

Installing the Multi-Port Serial Circuit Card Driver

7. Press ENTER.

The system displays the following message:

```
Where do you wish to install the board(s) in memory:
```

```
(1) Between 640 KB and 1 MB
(2) Above 1 MB
(H) Help
```

```
Enter 1 if there is 16 MB or more of physical memory installed
in your system
```

```
Enter 2 if there is less than 16 MB of physical memory installed
in your system
```

```
Default is between 640 KB and 1 MB [1]:
```

8. Press ENTER.

The system displays the following message:

```
8 KB of unoccupied memory is required for the MEGAPORT
board(s). This 8 KB memory block must reside on a 8 KB boundary
with the last four hex digits being one of the following:
```

```
0000, 2000, 4000, 6000, 8000, a000, c000, e000
```

```
Enter 8 KB common buffer block address [d0000]
```



Continue, press PAGE DOWN.

Installing the Multi-Port Serial Circuit Card Driver

9. Press ENTER.

The system displays the following message:

```
Enter address of 8 KB control block [d2000]
```

10. Press ENTER.

The system displays the following message:

```
Is this an EISA machine (y/n) [No]
```

11. Press ENTER.

The system displays a confirmation window.

12. Enter **y** if the information displayed is correct.

The system displays the following message:

```
Successfully installed the Equinox driver.
```

```
Press <Enter> to continue
```



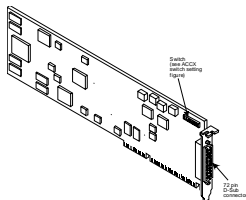
Procedure completed.

ACCX (AYC22) Circuit Card

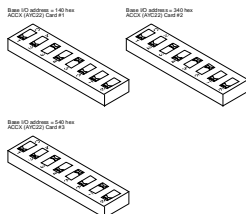


Click on the graphic for a larger view.

ACCX Circuit Card



ACCX Circuit Card Switch Settings



The Lucent Intuity system supports up to eight networking channels via digital and analog remote connections. These connections are created using DCP and RS-232 links respectively from the ACCX networking circuit card.

Each ACCX card includes eight dip switches. These switches represent SA4 through SA11 on the ISA Bus and are used to set the address of the card.

To install the circuit card:

1. [Determine the appropriate slot location.](#)
2. Install the circuit card using the [general circuit card installation procedure.](#)



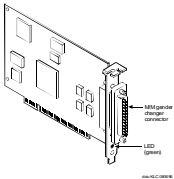
Procedure completed.

DCIU Circuit Card



Click on the graphic for a larger view.

DCIU Circuit Card



The DCIU circuit card connects to Lucent switches through an X.25 link. Your system may interface with the link through this circuit card.

NOTE:

In order to use this circuit card the [Lucent Intuity DCIU Switch Integration set](#) must be installed on the Lucent Intuity system.

You can install only one DCIU circuit card in the platform.

The DCIU circuit card contains no jumpers or switches that you must set before you install the circuit card.

To install a DCIU circuit card in a system which previously did not have a DCIU circuit card installed:

1. [Stop the voice system.](#)
2. Determine the [appropriate slot location](#) for the DCIU circuit card.
3. Install the [Lucent Intuity DCIU Switch Integration set](#).
4. [Install the circuit card.](#)
5. [Reboot](#) the system.

▶ Continue, press PAGE DOWN.

To replace a defective DCIU circuit card:

1. [Remove the defective DCIU circuit card.](#)
2. [Install the new DCIU circuit card.](#)



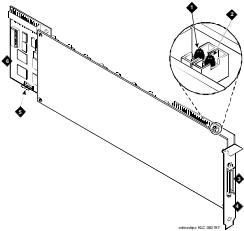
Procedure completed.

Digital Station Interface Circuit Card



Click on the graphic for a larger view.

Digital Station Interface Circuit Card



The digital station interface circuit card connects to Lucent switches. Your system may interface with the switch through this circuit card.

NOTE:

In order to use this circuit card the [Digital Station Interface Switch Integration set](#) must be installed on the Lucent Intuity system.

You can install only one digital station interface circuit card in the platform.

The digital station interface circuit card has a jumper field which must be verified before you install the circuit card. There should be no jumpers placed on the jumper field.

To install a digital station interface circuit card in a system which previously did not have a DCIU circuit card installed:


1. [Stop the voice system.](#)
2. Determine the [appropriate slot location](#) for the digital station interface circuit card.
3. Install the [Digital Station Interface Switch Integration set.](#)
4. [Install the circuit card.](#)
5. [Reboot](#) the Lucent Intuity system.

▶ Continue, press PAGE DOWN.

Digital Station Interface Circuit Card

To replace a defective digital station interface circuit card:

1. [Remove](#) the defective digital station interface circuit card.
2. [Install the digital station interface circuit card.](#)

 Procedure completed.

LAN Circuit Card



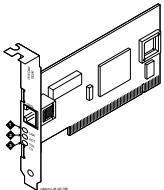
The LAN circuit card allows you to connect the Lucent Intuity system to your local area network. The LAN circuit card has three LEDs on the faceplate. The LAN Circuit Card LED Functions table lists the functions of these LEDs.

Table: LAN Circuit Card LED Functions

LED	ON	OFF
LNK	The adapter and the switch are receiving power and the cable connection is good.	Either the adapter and the switch are not receiving power, the cable connection is bad, or there is a driver problem.
ACT	The adapter is sending or receiving data.	The adapter is not sending or receiving data.
100	The adapter is operating at 100 Mbps.	The adapter is operating at 10 Mbps

Click on the graphic for a larger view.

LAN Circuit Card



To install the circuit card:

1. [Determine the appropriate slot location.](#)
2. Install the circuit card using the [general circuit card installation procedure.](#)
3. [Initialize the LAN circuit card.](#)



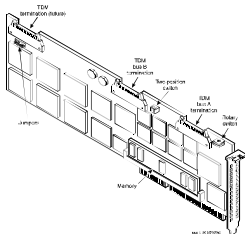
Procedure completed.

Speech and Signal Processor (AYC43) Circuit Card

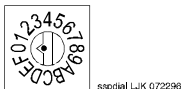


Click on the graphic for a larger view.

SSP Circuit Card



SSP Rotary Switch



The SSP circuit card is equipped with 16 MB of memory contained on a dual in-line memory module (DIMM). The DIMM is located in the lower portion of the SSP circuit card.



CAUTION:

The DIMM is not field serviceable.

There should be no jumpers installed on the SSP circuit card.

There are two types of switches on the SSP circuit card:

- Two-position switches
- Rotary switch

If the SSP circuit card is not located at the end of the TDM bus, both switches should be set to open. The switches should be set to closed if the SSP circuit card is located at the end of the bus.

The rotary switch must be set to zero.

To replace a defective SSP circuit card:

1. [Remove the SSP circuit card.](#)
2. [Install the SSP circuit card.](#)



Continue, press PAGE DOWN.

Speech and Signal Processor (AYC43) Circuit Card

**CAUTION:**

Use this procedure when adding an SSP circuit card to a system which is not currently equipped with one. Do not use this procedure when replacing a defective circuit card.

SSP Two Position Switch

esp-mlr LJK 072286

To add an SSP circuit card to a Lucent Intuity system:

1. Make sure you have a TDM bus cable.

The TDM bus cable connects all of the Tip/Ring circuit cards as well as the SSP circuit card.

2. [Remove the tip/ring circuit card](#) from Slot 1.
3. Verify that the [TDM bus terminator SIPs](#) have been installed on the Tip/Ring circuit card.
4. [Replace the tip/ring circuit card](#) in Slot 1.
5. [Remove the remaining tip/ring circuit cards.](#)
6. [Remove the TDM bus terminator SIPs](#) from the Tip/Ring circuit cards.
7. [Replace the remaining tip/ring circuit cards.](#)
8. Verify the two-position selector switches, on the SSP circuit card, are set properly.
9. [Determine the appropriate slot location.](#)




Continue, press PAGE DOWN.

Speech and Signal Processor (AYC43) Circuit Card

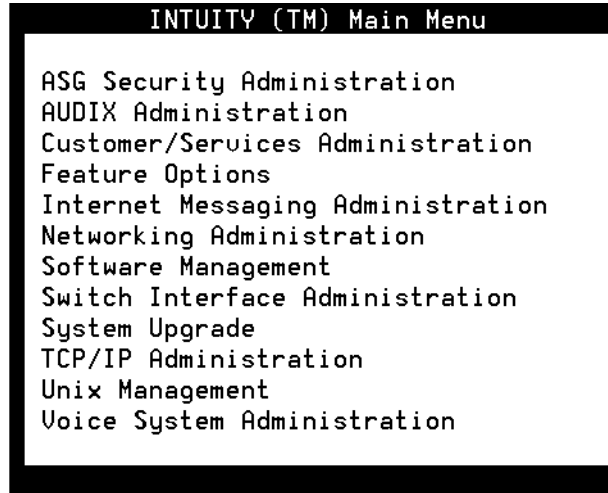
10. [Install the SSP circuit card.](#)

11. Install the TDM bus cable.

Attach the TDM bus cable to the SSP circuit card using the TDM Bus A termination.

 Procedure completed.

Lucent Intuity Main Menu



Equinox Driver Installation Window

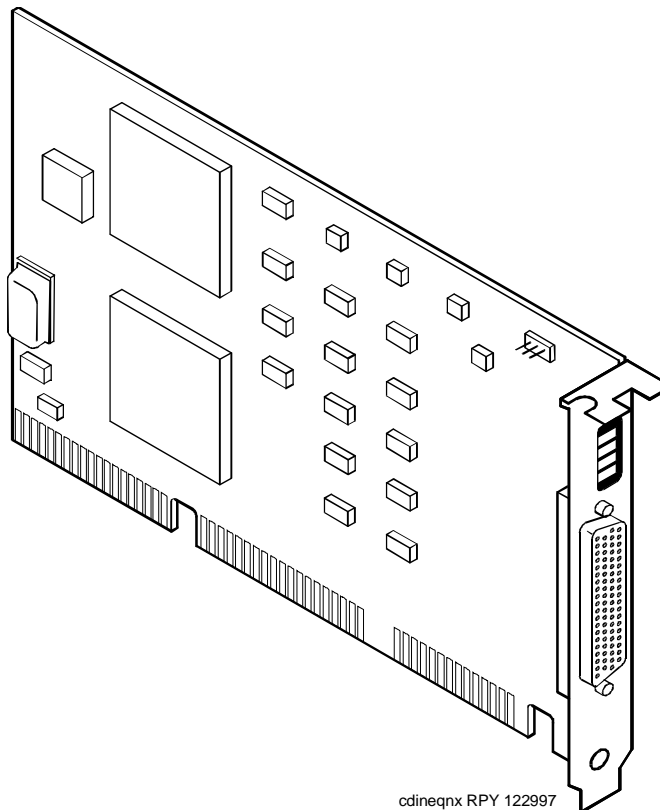
Install Equinox Driver

Enter Equinox card type: SST

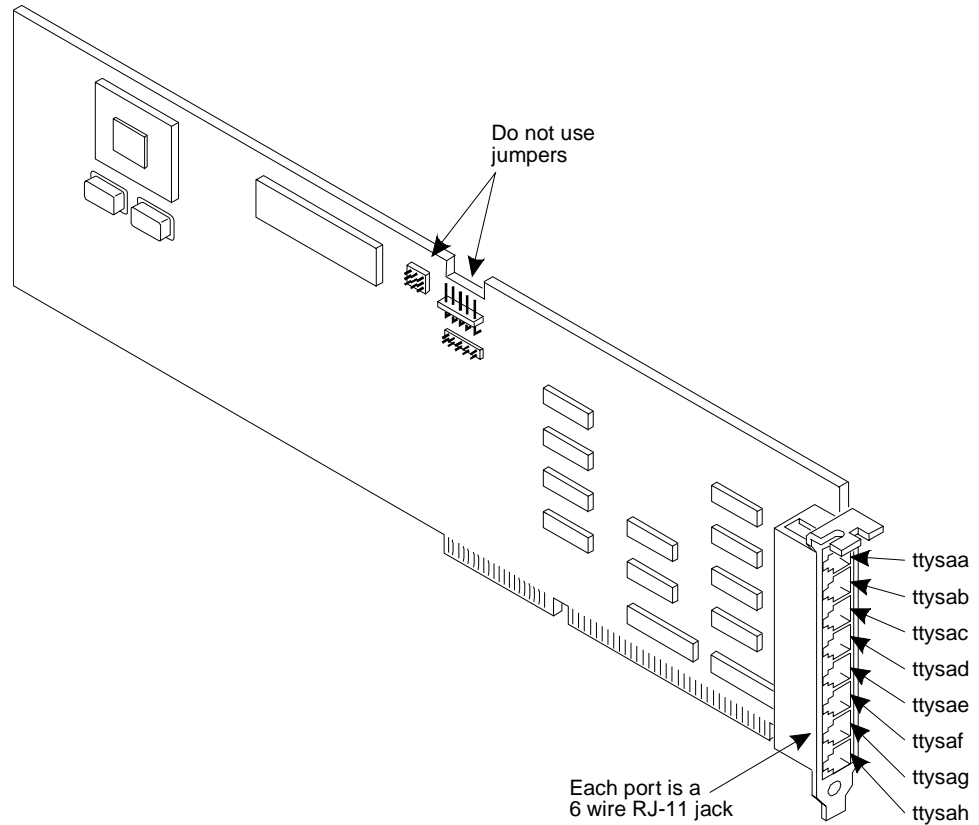
Equinox Circuit Card Choices Menu

Card Types
> 8CS
SST

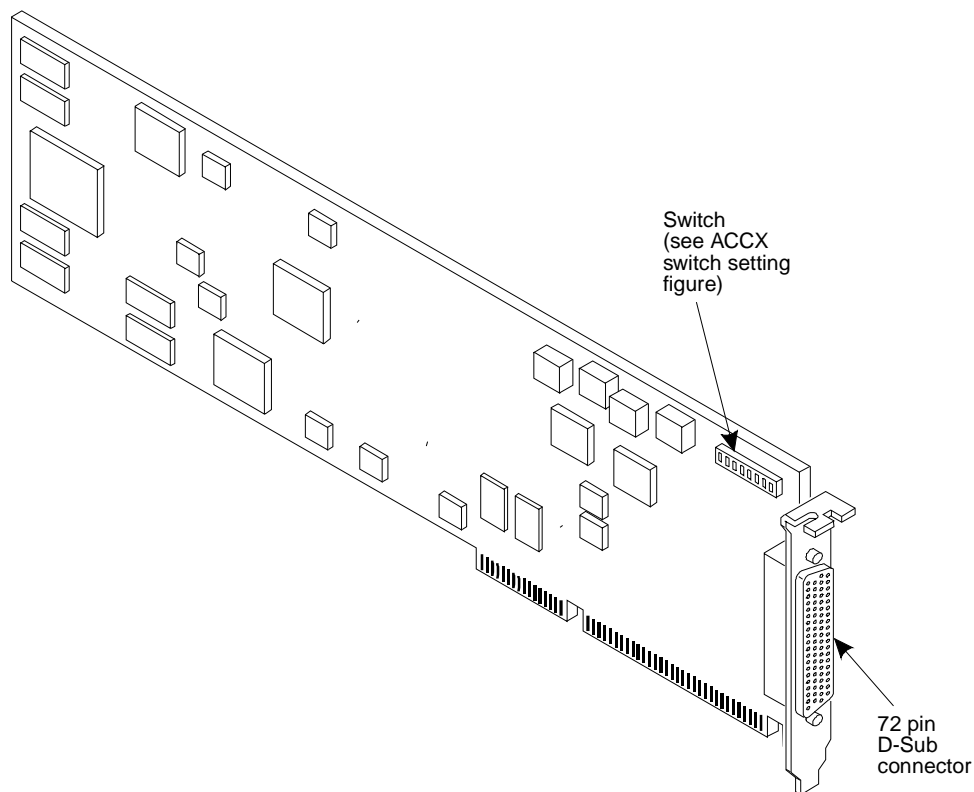
**Figure: Super
Serial Circuit
Card**



**Figure:
Multi-Port Serial
Circuit Card**



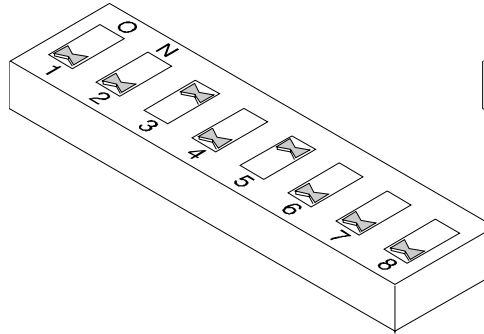
**Figure: ACCX
Networking
Circuit Card**



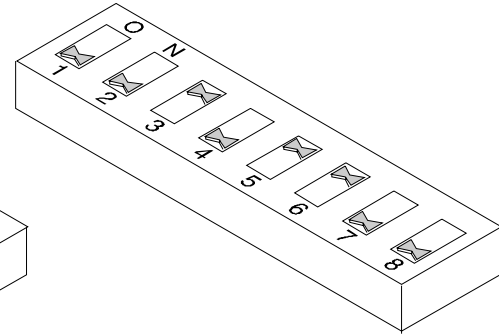
Switch Settings for the ACCX Card

Figure: Switch Settings for the ACCX Card

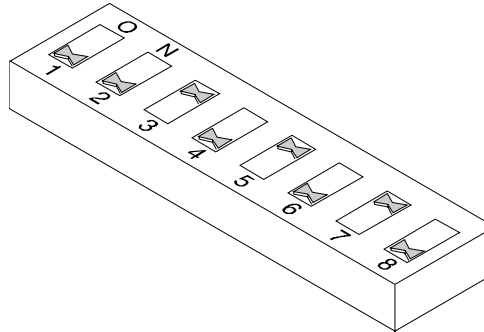
Base I/O address = 140 hex
ACCX (AYC22) Card #1



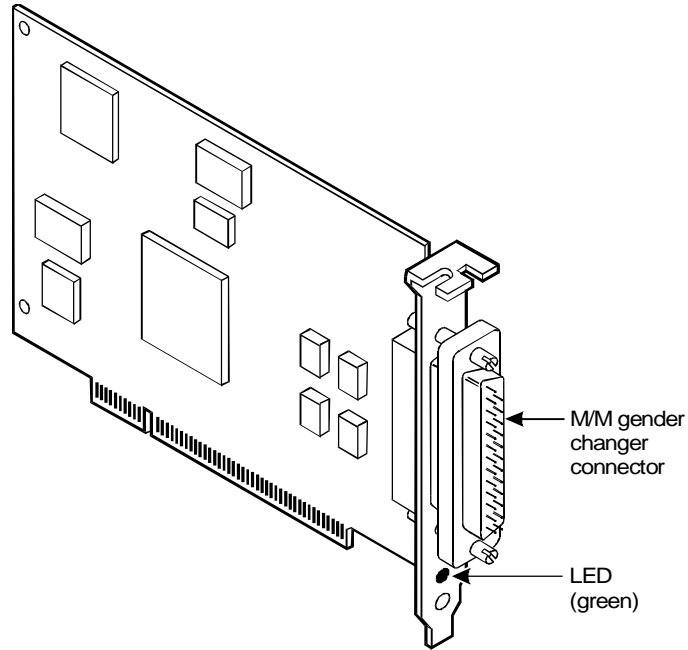
Base I/O address = 340 hex
ACCX (AYC22) Card #2



Base I/O address = 540 hex
ACCX (AYC22) Card #3



**Figure: DCIU
Circuit Card**

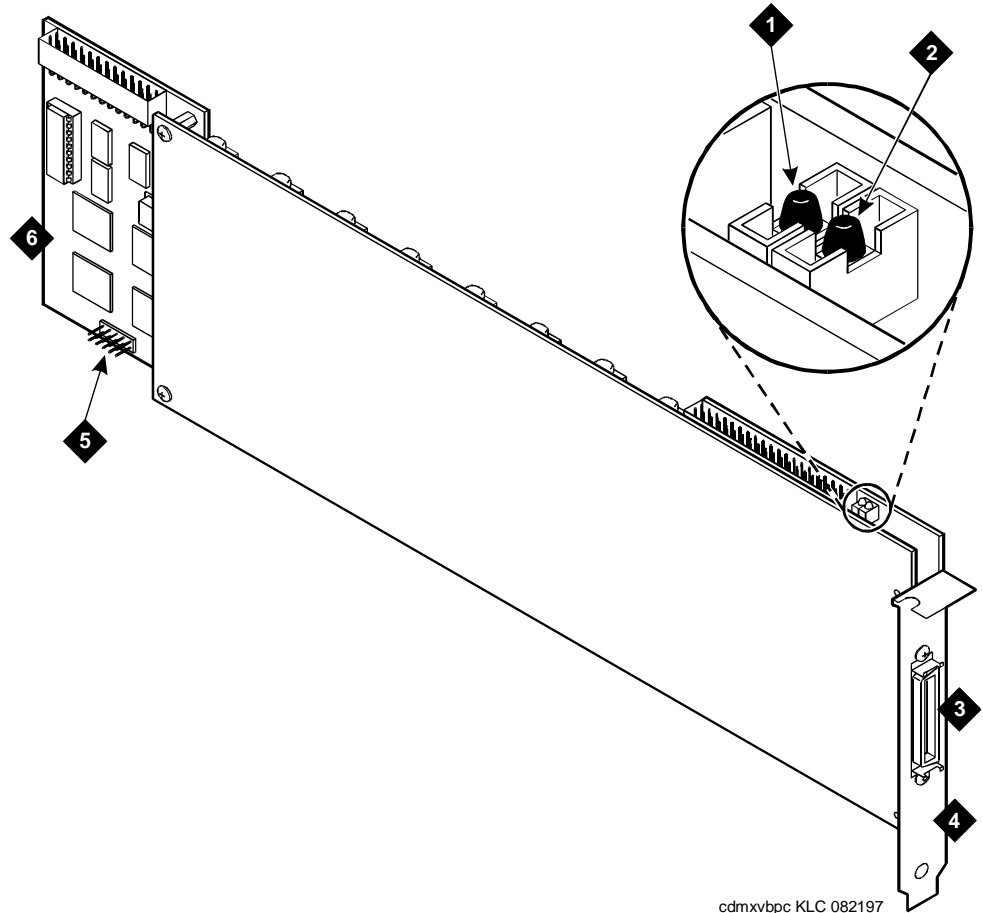


dciu KLC 080696

Digital Station Interface Circuit Card

Figure: Digital Station Interface Circuit Card

- 1 Green LED
- 2 Red LED
- 3 Cable connection
- 4 Serial number location
- 5 Jumpers
- 6 Serial number location



**Figure: SSP
Circuit Card**

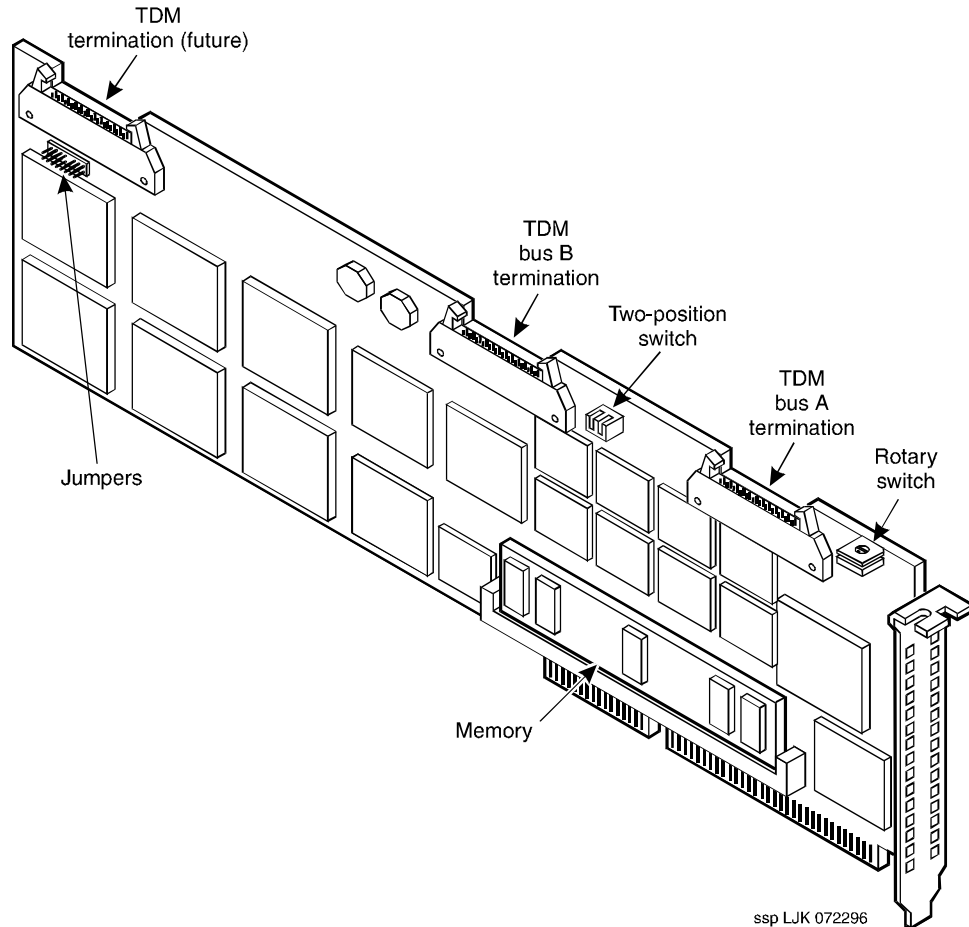
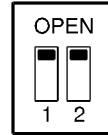


Figure: SSP Circuit Card Switches



ssp-sw LJK 072296

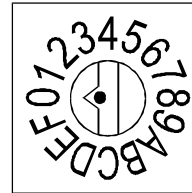


Figure: LAN Circuit Card

- 1 LNK LED
- 2 ACT LED
- 3 100 LED

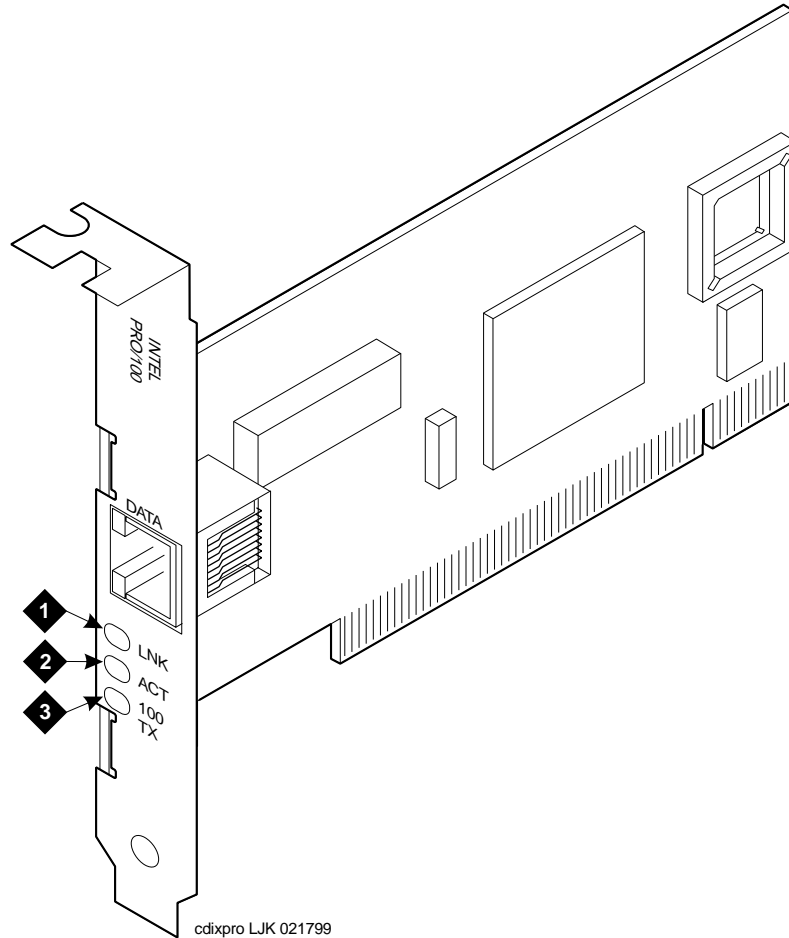
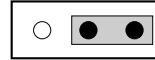


Figure: Super Serial Circuit Card Jumper



jpixsse LJK 022599

Figure: Super Serial Circuit Card Switches

