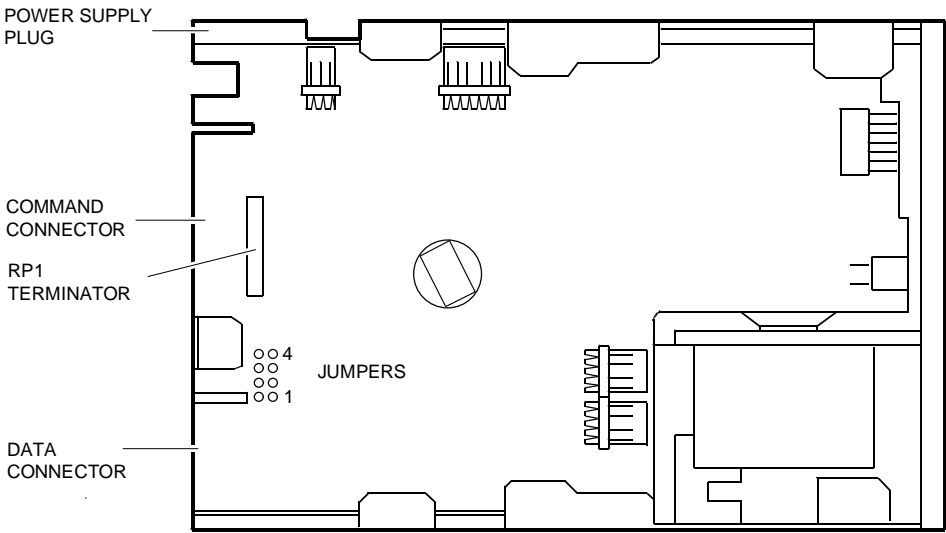


ST506 HARD DISK DRIVES

20 MB HDU	MINISCRIBE M-8425	ST506
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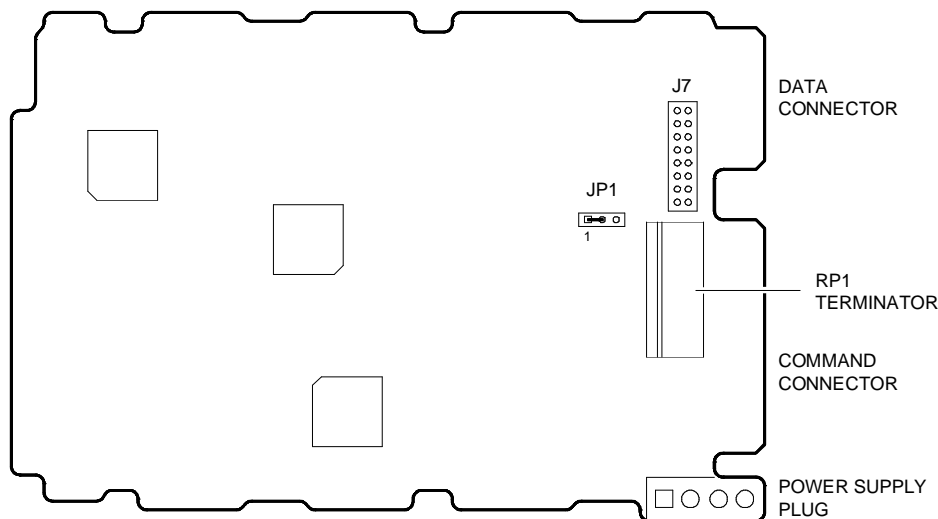
ROTATION	CYLINDERS	DISKS	HEADS	RECORD.
3600 RPM	612	2	4	MFM

JUMPERS				DRIVE ADDRESS SELECTION
1	2	3	4	
ON	OFF	OFF	OFF	Drive 1
OFF	ON	OFF	OFF	Drive 2
OFF	OFF	ON	OFF	Drive 3
OFF	OFF	OFF	ON	Drive 4

TERMINATOR RP1

Terminator RP1 must always be present on the last drive in the line of HDUs; the terminator must be removed from all the others. If there is only one drive, there must be a terminator.

20 MB HDU	SEAGATE ST125	ST506
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ROTATION	CYLINDERS	DISKS	HEADS	RECORD.
3600 RPM	615	2	4	MFM

JUMPERS J7				DRIVE ADDRESS SELECTION
PINS 15-16	PINS 13-14	PINS 11-12	PINS 9-10	
ON	OFF	OFF	OFF	Drive 1
OFF	ON	OFF	OFF	Drive 2
OFF	OFF	ON	OFF	Drive 3
OFF	OFF	OFF	ON	Drive 4

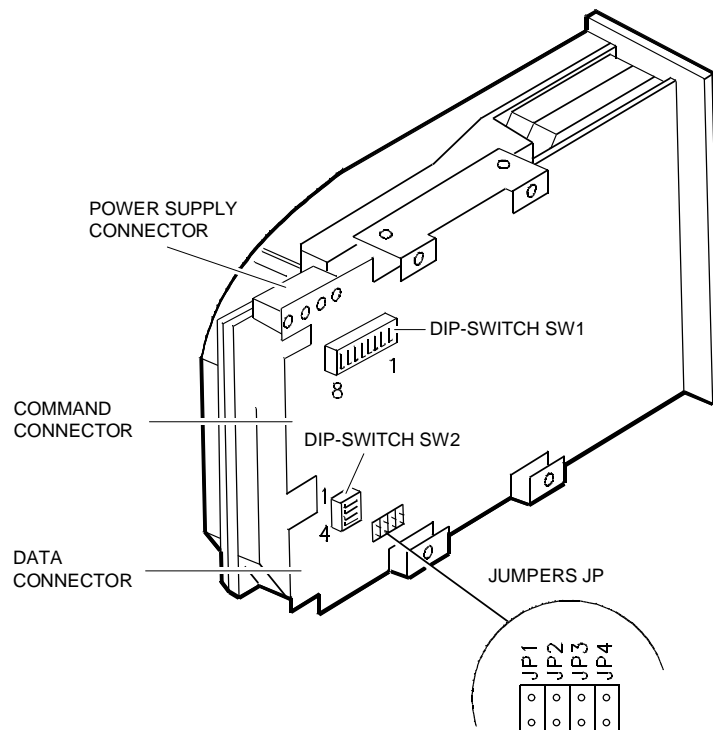
JUMPERS J7	CONNECTION TYPE
PINS 1-2	
ON	Radial connection
OFF	Daisy chain connection

JUMPERS JP1		STORING WRITE FAULT
PINS 1-2	PINS 2-3	
ON		Write Fault is deleted when Write Gate is false. A Write Fault is only kept when Write Gate is true. *
	ON	Keeps Write Fault true after Write Gate becomes false and it is advisable for controllers that do not detect the rising edge of Write Fault. This option depends on the configuration for J7 pins 5-6: - Pins 5-6=OFF: Write Fault can only be deleted at power down. - Pins 5-6=ON: Write Fault can only be deleted when the drive is not selected any more.

TERMINATOR RP1

Terminator RP1 must be connected to all the drives in a radial connection and the last drive in a daisy chain connection. The RP1 terminators must be removed from the first to the second to last drives in a daisy chain connection.

20 MB HDU 40 MB HDU 40 MB HDU	NEC D3126 NEC D3142 NEC D3146H	ST506
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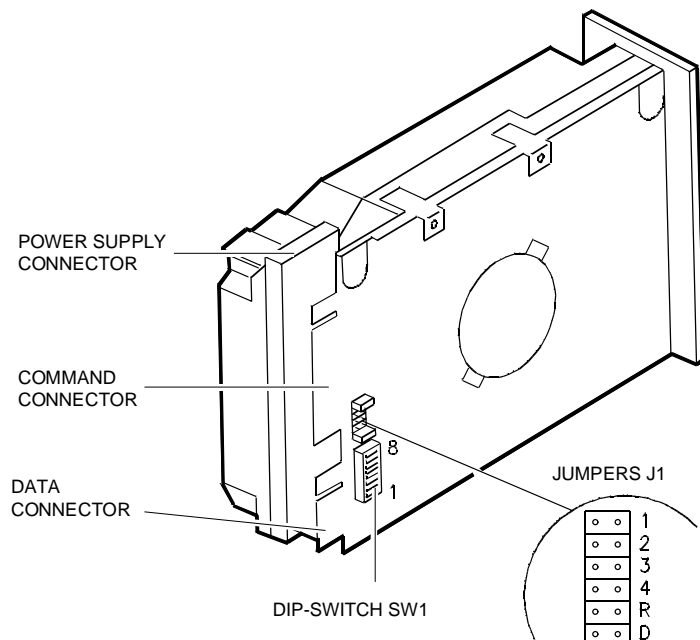
MODEL	ROTATION	CYLINDERS	DISKS	HEADS	RECORD.
NEC D3126	3564 RPM	612	2	4	MFM
NEC D3142					MFM
NEC D3146H					MFM

DIP-SWITCH SW1								CONNECTION TYPE AND TERMINATOR
1	2	3	4	5	6	7	8	
ON	ON	ON	ON	ON	ON	ON	ON	Radial connection
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	Daisy chain connection from the first to the second to last unit connected
OFF	ON	ON	ON	ON	ON	ON	ON	Daisy chain connection for the last unit connected.

DIP-SWITCH SW2				DRIVE ADDRESS SECTION
1	2	3	4	
ON	OFF	OFF	OFF	Drive 1
OFF	ON	OFF	OFF	Drive 2
OFF	OFF	ON	OFF	Drive 3
OFF	OFF	OFF	ON	Drive 4

JUMPERS JP				OPERATING MODE
JP1	JP2	JP3	JP4	
OFF	OFF	OFF	OFF	Normal *
ON	OFF	OFF	ON	Random seek
ON	OFF	ON	OFF	Repeat seek
ON	OFF	ON	ON	Retract
ON	ON	OFF	ON	Random seek and CSS
ON	ON	ON	OFF	Repeat random seek and CSS

40 MB HDU	FUJITSU M2227D2	ST506
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ROTATION	CYLINDERS	DISKS	HEADS	RECORD.
	615		8	MFM

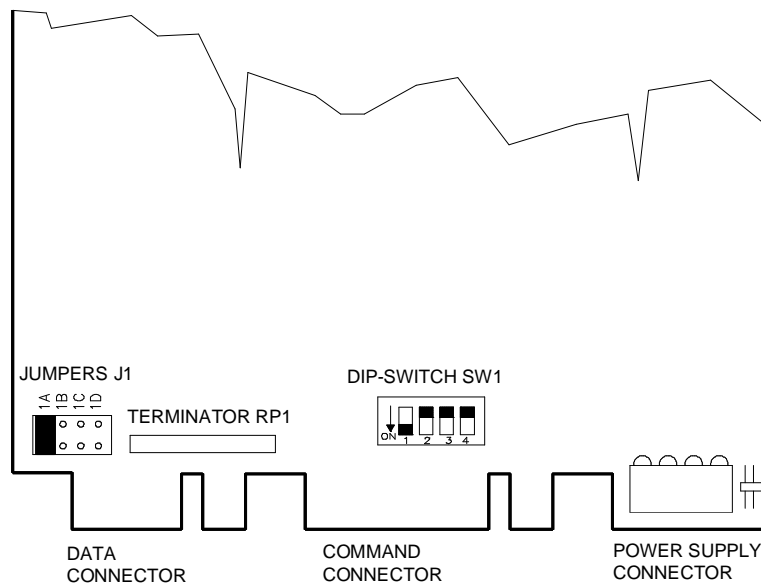
JUMPERS J1				DRIVE ADDRESS SELECTION
1	2	3	4	
ON	OFF	OFF	OFF	Drive 1
OFF	ON	OFF	OFF	Drive 2
OFF	OFF	ON	OFF	Drive 3
OFF	OFF	OFF	ON	Drive 4

JUMPERS J1		CONNECTION TYPE
R	D	
ON OFF	OFF ON	Radial connection Daisy chain connection

DIP-SWITCH SW1								TERMINATOR
1	2	3	4	5	6	7	8	
ON	ON	ON	ON	ON	ON	X	ON	Terminator connector, (for all drives in a radial connection and for the last drive in a daisy chain connection).
OFF	OFF	OFF	OFF	OFF	OFF	X	OFF	Terminator disconnected (for daisy chain connection from the first to the second to last unit connected).
X	X	X	X	X	X	OFF	X	Used if the connection is as follows: - The read/write operations after Drive Select are executed after confirmation of the Seek Complete signal from the drive - The Drive Select signal is disabled when the drive is access.
X	X	X	X	X	X	ON	X	Used when the controller has not got the characteristics described in the previous paragraph.

X = Either one or the other.

40 MB HDU	LEXIKON XM-5340 (HD-674)	ST506
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ROTATION	CYLINDERS	DISKS	HEADS	RECORD.
	820		6	MFM

DIP-SWITCH SW1				DRIVE ADDRESS SELECTION
1	2	3	4	
ON	OFF	OFF	OFF	Drive 1
OFF	ON	OFF	OFF	Drive 2
OFF	OFF	ON	OFF	Drive 3
OFF	OFF	OFF	ON	Drive 4

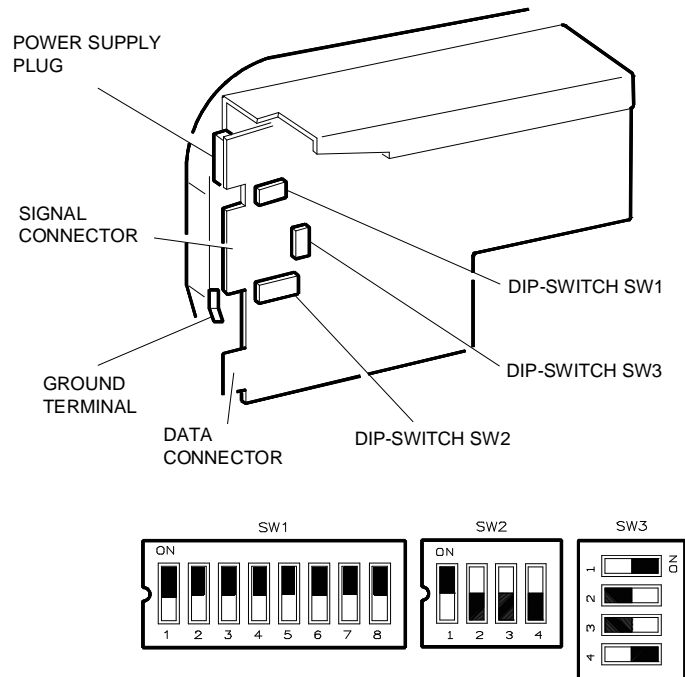
Normal operation	JUMPERS J1				DESCRIPTION
	1A	1B	1C	1D	
	Always ON	Always OFF	OFF ON X	X X ON	Daisy chain connection Radial connection Recovery mode
Test	OFF OFF ON	OFF ON ON	X X X	X X X	Board test Seek test Functional test

X = Either one or the other

TERMINATOR RP1

The RP1 terminator must be connected to all the drives in radial connection and to the last drive in a daisy chain connection. The RP1 terminators must be removed from the first to the second to last drive in the daisy chain connection.

40 MB HDU 62 MB HDU	NEC D5146H NEC D5147H	ST506
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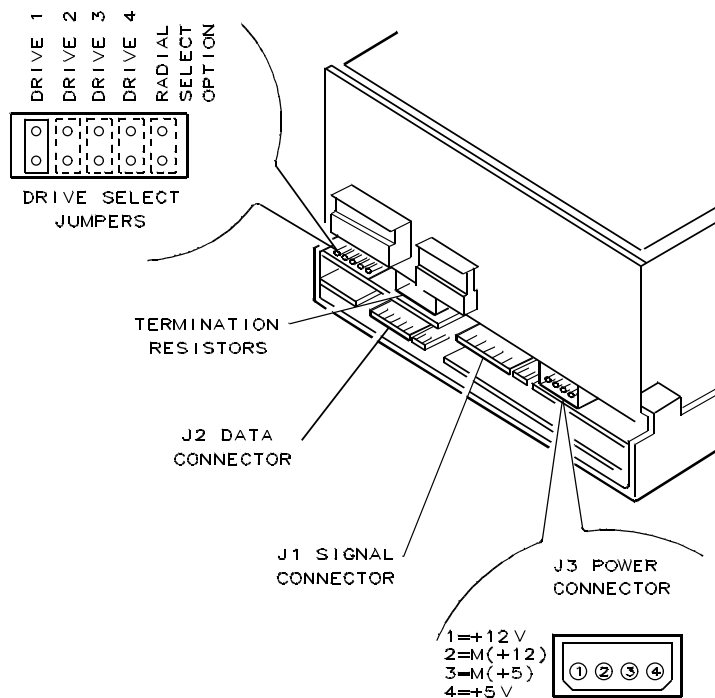
MODEL	ROTATION	CYLINDERS	DISKS	HEADS	RECORD.
D5146H		615		8	MFM
D5147H		615		8	MFM

DIP-SWITCH SW1								CONNECTION AND TERMINATOR TYPES
1	2	3	4	5	6	7	8	
ON	ON	ON	ON	ON	ON	ON	ON	Radial connection
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	Daisy connection from the first to the second to last unit connected.
OFF	ON	ON	ON	ON	ON	ON	ON	Daisy chain connection for the last unit connected.

DIP-SWITCH SW2				DRIVE ADDRESS SELECTION
1	2	3	4	
ON	OFF	OFF	OFF	Drive 1
OFF	ON	OFF	OFF	Drive 2
OFF	OFF	ON	OFF	Drive 3
OFF	OFF	OFF	ON	Drive 4

DIP-SWITCH SW3				OPERATING MODE
1	2	3	4	
OFF	OFF	OFF	OFF	Working normally *
ON	OFF	OFF	ON	Random seek
ON	OFF	ON	OFF	Repeat seek
ON	OFF	ON	ON	Retract
ON	ON	OFF	ON	Random seek e CSS
ON	ON	ON	OFF	Repeat random seek e CSS

62 MB HDU 71 MB HDU	CDC WREN 2 94205-77 CDC WREN 2 94155-86	ST506
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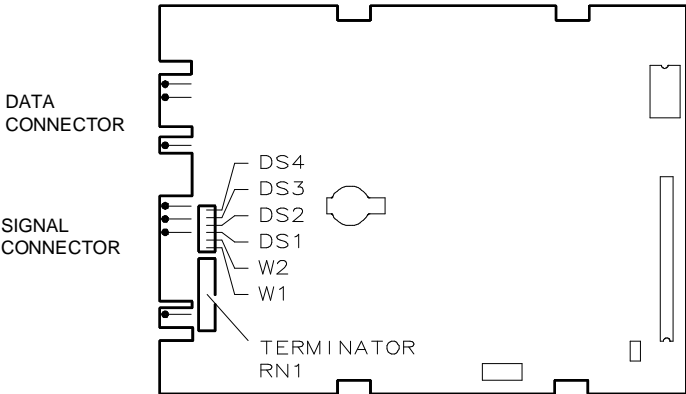


MODEL	ROTATION	CYLINDERS	DISKS	HEADS	RECORD.
94205-77		981		5	MFM
94155-86		925		9	MFM

TERMINATOR

The terminator must be connected to all the drives in radial connection and to the last drive in daisy chain connection. The terminators must be removed from the first to the second to last drive in the daisy chain connection.

71 MB HDU	MICROPOLIS 1325/LV	ST506
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ROTATION	CYLINDERS	DISKS	HEADS	RECORD.
3600 RPM	1024	5	8	MFM

JUMPERS				DRIVE ADDRESS SELECTION
DS1	DS2	DS3	DS4	
ON	OFF	OFF	OFF	Drive 1
OFF	ON	OFF	OFF	Drive 2
OFF	OFF	ON	OFF	Drive 3
OFF	OFF	OFF	ON	Drive 4

JUMPER W1	WRITE ERROR
ON OFF	Stores write error * Dos not store write error

JUMPER W2	WRITE ERROR
ON OFF	Daisy chain connection Radial connection

TERMINATOR RN1

The RN1 terminator must be connected to all the drives in radial connection and to the last drive in daisy chain connection. The terminators must be removed from the first to the second to last drive in daisy chain connection.

