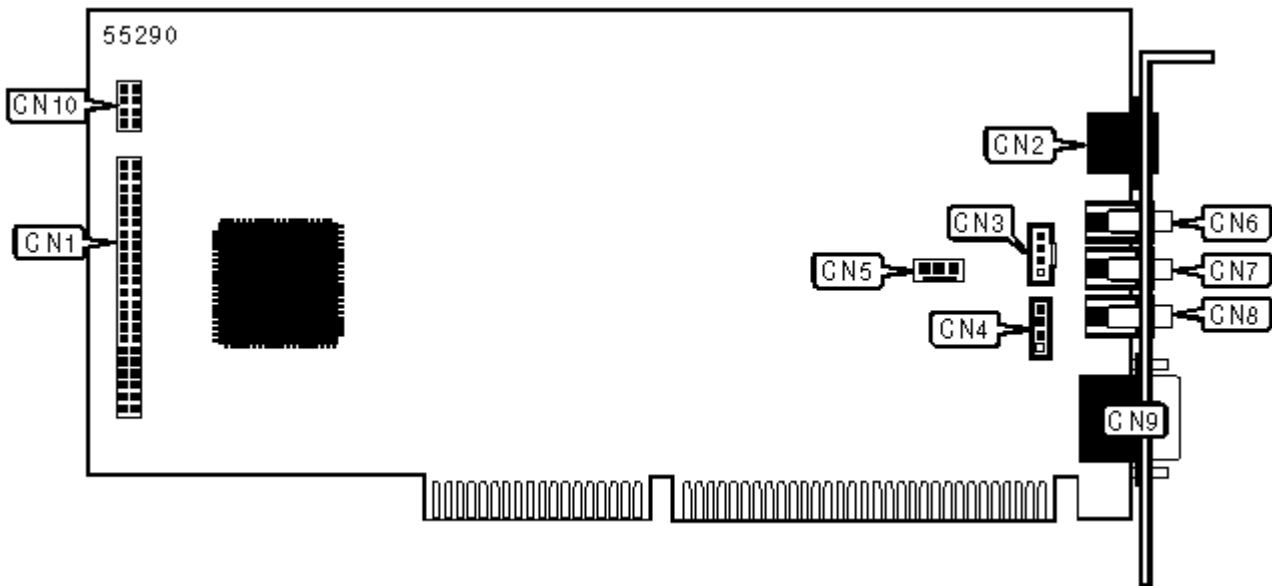


MIROCONNECT 34

Card Type	Modem/Communication Adapter card
Chip Set	Unidentified
I/O Options:	Analog telephone port (RJ-11), microphone in, audio in, audio out, game/MIDI port, TV/audio in, IDE interface, miromedia radio connector
Maximum Modem Rate	33.6Kbps
Maximum Fax Rate	14.4Kbps
Data Modulation Protocol	Bell 103/212
Fax Modulation Protocol	ITU-T V.22, V.22bis, V.32, V.32bis, V.34
Error Correction/Compression	ITU-T V.17, V.27ter, V.29
Fax Class	MNP5, V.42, V.42bis
Data Bus	Class I & II 16-bit ISA



CONNECTIONS

Function	Label	Function	Label
IDE interface	CN1	Microphone in	CN6
Telephone port (RJ-11)	CN2	Audio in	CN7
Audio in - Sony	CN3	Audio out	CN8
Audio in - Mitsumi	CN4	MIDI/game port	CN9
TV-audio in	CN5	Miromedia radio connector	CN10

SUPPORTED COMMAND SET

Basic AT Commands

AT, ■+++■, A/

A, B, E, F, M, P, Q, T, V, X, Y

&F, &V, &W, &Z

Extended AT Commands

\B \L, \V

%A, %E

Special Commands

"H, "N

S Registers

S0, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S25

Note: See MHI Help File for full command documentation.

PROPRIETARY AT COMMAND SET

COMMUNICATIONS MODE

Type: Configuration
Format: AT [cmds] &Mn [cmds]
Description: Selects communications mode

Command	Mode
&M0	Asynchronous mode

COMMUNICATIONS MODE

Type: Configuration
Format: AT [cmds] &Qn [cmds]
Description: Selects communications mode options

Command	Mode
&Q0	Asynchronous mode, serial port speed follows connect speed.

DATA SET READY (DSR)

Type: Configuration
Format: AT [cmds] &Sn [cmds]
Description: Selects DSR options

Command	Function
&S0	DSR forced high
&S1	DSR high only while modem is handshaking or connected

DATA TERMINAL READY (DTR)

Type: Configuration
Format: AT [cmds] &Dn [cmds]
Description: Selects modem response to DTR

Command	Function
&D0	DTR override
&D1	DTR toggle causes online command mode
&D2	DTR toggle causes modem to go on-hook
&D3	Loads profile as specified in &Y

DIAL

Type: Immediate
Format: AT [cmds] D<#> [cmds]
Description: Dials telephone number according to any modifiers included in the string
Note: Any combination of modifiers can be used to produce the desired dial functions in sequence.

Command	Function
DP	Pulse dialing enabled
DR	Answer mode enabled; originate mode disabled following handshake initiation.
DS=n	Dial stored telephone number <i>n</i>
DT	Tone dialing enabled/Pulse dialing disabled

DW	Dialing resumed following dial tone detection
D,	Dialing paused for amount of time specified in S8 register
D!	Flash function initiated. Modem commanded to go off-hook for specified time before returning on-hook.
D@	Wait for Quiet Answer function enabled. Modem waits until a "quiet answer," a ring-back signal followed by silence up to the time specified in S7, is received prior to executing the rest of the dial string.
D;	Modem returned to idle state after dialing. The semicolon can only be placed at the end of the dial command

FORCE SPEED MODE

Type:	Configuration
Format:	AT [cmds] &Nn [cmds]
Description:	Selects force speed option in V.32/V.32bis mode

Command	Mode
&N0	Support maximum allowable rate
&N1	Selects maximum allowable rate as specified by register S28

GUARD TONE

Type:	Configuration
Format:	AT [cmds] &Gn [cmds]
Description:	Commands the modem to transmit a guard tone in V.22/V.22bis

Command	Function
&G0	Guard tone disabled
&G2	1800Hz guard tone enabled

HOOK CONTROL

Type:	Immediate
Format:	AT [cmds] Hn [cmds]
Description:	Selects whether the modem is on-hook or off-hook

Command	Function
H0	Modem commanded to go on-hook (hang-up)

LINE TYPE

Type: Configuration
Format: AT [cmds] &Ln [cmds]
Description: Command nonfunctional

Command	Line Type
&L0	Selects switched-network line mode

ON-LINE

Type: Immediate
Format: AT [cmds] On [cmds]
Description: Controls on-line command (data transmission) state options.

Note: The O command must be placed at the end of the command string.

Command	Function
O0	On-line command mode with no retraining enabled

PULSE DIALING RATIO

Type: Configuration
Format: AT [cmds] &Pn [cmds]
Description: Selects pulse dial make/break ratio.
Note: For compatibility purposes only; command nonfunctional

REPORT INFORMATION

Type: Immediate
Format: AT [cmds] In [cmds]
Description: Displays information requested

Command	Function
I0	Reports modem version
I1	Reports OK

- I2 Tests and reports ROM checksum
- I3 Reports version number of installed modem files
- I4 Reports modem capabilities string GENERIC Mwave

RESTORE PROFILE ON POWER-UP

Type: Configuration

Format: AT [cmds] &Yn [cmds]

Description: Restores a selected profile into the active profile on power-up (hard reset)

Command	Function
&Y0	Restore profile 0 on power-up
&Y1	Restore profile 1 on power-up
&Y2	Restore factory defaults on power-up

SOFT RESET

Type: Immediate

Format: AT [cmds] Zn [cmds]

Description: Restores modem profiles previously saved in non-volatile RAM using the &W command.

Command	Function
Z0	Restore setting 0
Z1	Restore setting 1
Z2	Restore factory defaults

SPEAKER VOLUME

Type: Configuration

Format: AT [cmds] Ln [cmds]

Description: Controls speaker volume

Command	Function
L0	Minimum volume setting

L1	Low volume setting
L2	Medium volume setting
L3	Highest volume setting

TRELLIS CODING

Type:	Configuration
Format:	AT [cmds] &Un [cmds]
Description:	Enables/disables trellis coding

Command	Function
&U0	V.32 trellis coding enabled
&U1	V.32 trellis coding disabled

TRANSMIT CARRIER

Type:	Configuration
Format:	AT [cmds] Cn [cmds]
Description:	Controls the transmit carrier switching

Command	Function
C1	Transmit carrier enabled

EXTENDED AT COMMANDS

COMPRESSION

Type:	Configuration
Format:	AT [cmds] %Cn [cmds]
Description:	Selects data compression

Command	Function
%C0	Data compression disabled
%C1	MNP5 enabled

INACTIVITY TIMER

Type: Configuration

Format: AT [cmds] \Tn [cmds]

Range: 0-90

Unit: 1minute

Description: Sets the length of time that the modem does not receive information before it disconnects.

MAXIMUM BLOCK SIZE FOR TRANSMISSION

Type: Configuration

Format: AT [cmds] \An [cmds]

Description: Sets the maximum transmittable block size

Command	Function
\A0	MNP block size is 64 characters
\A1	MNP block size is 128 characters
\A2	MNP block size is 192 characters
\A3	MNP block size is 256 characters
\A4	Variable block size

SPECIAL COMMANDS

V.42bis - MAXIMUM STRING LENGTH

Type: Immediate

Format: AT [cmds] "On [cmds]

Range: 6-250

Unit: Characters

Description: Selects string size for V.42bis compression

DSVD MODE

Type: Configuration

Format: AT [cmds] -SSE=n [cmds]

Description: Select whether the modem will use DSVD mode.

Command	Function
■ -SSE=0	DSVD mode disabled.
-SSE=1	DSVD mode enabled.

S(status) -REGISTERS

BIT-MAPPED REGISTER S31

Format AT [cmds] S31=*n* [cmds]
Range: 0-255
Unit: Bit-mapped
Description: Selects baud rates that the V.34 modem will request for reception

Bit	Value	Function
0	0	2400 baud receive symbol rate enabled
	1	2400 baud receive symbol rate disabled
1	0	2743 baud receive symbol rate enabled
	1	2743 baud receive symbol rate disabled
2	0	2800 baud receive symbol rate enabled
	1	2800 baud receive symbol rate disabled
3	0	3000 baud receive symbol rate enabled
	1	3000 baud receive symbol rate disabled
4	0	3200 baud receive symbol rate enabled
	1	3200 baud receive symbol rate disabled
5	0	3429 baud receive symbol rate enabled
	1	3429 baud receive symbol rate disabled
6	0	Asymmetric symbol rates enabled
	1	Asymmetric symbol rates disabled
7	0	Not used

CALLING TONE

Type: Register

Format AT [cmds] S24=*n* [cmds]

Description: Enables/disables calling tone

Command	Function
S24=0	Calling tone disabled.
S24=1	Calling tone enabled.

DCE LINE SPEED

Type: Register

Format AT [cmds] S28=*n* [cmds]

Description: Sets the maximum allowable data exchange rate attempted during handshake process.

Command	Function
S28=0	Speed of last connection
S28=1	50bps
S28=2	75bps
S28=3	110bps
S28=4	134.5bps
S28=5	150bps
S28=6	300bps
S28=8	1200bps
S28=9	2400bps
S28=10	4800bps
S28=11	7200bps
S28=12	9600bps
S28=13	12.0Kbps
S28=14	14.4Kbps