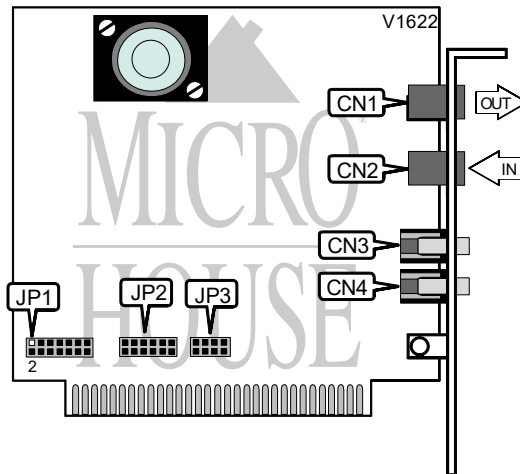


MOTOROLA, INC.

VOICESURFR 14400 INTERNAL

Card Type	Modem (asynchronous)/Fax/Voice
Chip Set	Unidentified
Maximum Data Rate	14.4Kbps
Maximum Fax Rate	14.4Kbps
Data Bus	8-bit ISA
Fax Class	Class I & II
Data Modulation Protocol	Bell 103A/212A
Fax Modulation Protocol	ITU-T V.21, V.22, V.22bis, V.23, V.32, V.32bis
Error Correction/Compression	ITU-T V.17, V.21CH2, V.27ter, V.29
	MNP5, V.42, V.42bis



CONNECTIONS			
Function	Label	Function	Label
Line out	CN1	Microphone	CN3
Line in	CN2	Speaker	CN4

USER CONFIGURABLE SETTINGS		
Setting	Label	Position
Factory configured - do not alter	JP2	N/A
Factory configured - do not alter	JP3	N/A

SERIAL PORT ADDRESS	
Setting	JP1
COM1 (3F8h)	Pins 3 & 4, 5 & 6 closed
COM2 (2F8h)	Pins 1 & 2, 3 & 4 closed
COM3 (3E8h)	Pins 1 & 2, 5 & 6 closed
COM4 (2E8h)	Pins 1 & 2, 4 & 6 closed

INTERRUPT	
Setting	JP1
3	Pins 13 & 14 closed
4	Pins 11 & 12 closed
5	Pins 9 & 10 closed
7	Pins 7 & 8 closed

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Proprietary AT Command Set

ACCEPT RELIABLE MODE	
Type:	Immediate
Format:	AT [cmds] \U [cmds]
Description:	Accepts remote modem's request for reliable link

AUTO FALL FORWARD/FALLBACK	
Type:	Configuration
Format:	AT [cmds] %Gn [cmds]
Description:	Selects auto fallback/fall forward
Command	Function
í %G0	Fallback/fall forward disabled
%G1	Fallback/fall forward enabled

AUTO-RELIABLE FALLBACK CHARACTER	
Type:	Configuration
Format:	AT [cmds] %An [cmds]
Default:	0
Range:	1-127
Unit:	ASCII
Description:	Sets the character used as the auto-reliable fallback character. %A0 will disable this function.

AUTO-RELIABLE TIME BUFFER CONFIGURATION	
Type:	Configuration
Format:	AT [cmds] \Cn [cmds]
Description:	Controls the handling of incoming data during auto-reliable time period
Command	Function
í \C0	Data is discarded
\C1	Data is buffered for 4seconds or 200 characters
\C2	Data is discarded, V.42 enhancement.

AUTO-RETRAIN	
Type:	Configuration
Format:	AT [cmds] %En [cmds]
Description:	Selects auto-retrain mode
Command	Function
%E0	Auto-retrain disabled
í %E1	Auto-retrain enabled

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BREAK SEND	
Type:	Configuration
Format:	AT [cmds] \Bn [cmds]
Default:	Unidentified
Range:	0-9
Unit:	.1 second
Description:	Sends break to modem

CALLER ID	
Type:	Configuration
Format:	AT [cmds] #VCID=n [cmds]
Description:	Controls Caller ID function
Command	Function
#VCID=0	Caller ID disabled
#VCID=1	Caller ID enabled

COMPRESSION	
Type:	Configuration
Format:	AT [cmds] %Cn [cmds]
Description:	Selects data compression
Command	Function
%C0	Data compression disabled
i %C1	Data compression enabled

CONNECT MODE	
Type:	Configuration
Format:	AT [cmds] \Nn [cmds]
Description:	Sets connect mode
Command	Function
\N0	Normal mode
\N1	Direct mode
\N2	MNP reliable mode
i \N3	V.42 auto-reliable mode
\N4	V.42 reliable mode

EXTENDED RESULT CODES	
Type:	Configuration
Format:	AT [cmds] \Vn [cmds]
Description:	Selects extended result codes
Command	Function
\V0	CONNECT message displays modem to modem speed
\V1	CONNECT message displays modem to modem speed and error correction
\V2	CONNECT message displays modem to modem speed and error correction
i \V3	CONNECT message displays computer to modem speed

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FLOW CONTROL	
Type:	Configuration
Format:	AT [cmds] \Gn [cmds]
Description:	Selects modem port flow control
Command	Function
í \G0	Flow control disabled
\G1	Flow control enabled

FLOW CONTROL TYPE	
Type:	Configuration
Format:	AT [cmds] \Qn [cmds]
Description:	Sets type of flow control used by modem
Command	Function
\Q0	Flow control disabled
\Q1	XON/XOFF flow control enabled
\Q2	CTS flow control to DTE enabled
í \Q3	RTS/CTS flow control enabled

INACTIVITY TIMER	
Type	Configuration
Format	AT [cmds] \Tn [cmds]
Description	Controls the modem when it does not receive information, then it disconnects.
Command	Function
í \T0	Inactivity timer disabled
\T1	Inactivity timer enabled

LINE SIGNAL QUALITY	
Type	Immediate
Format	AT [cmds] %Q [cmds]
Description	Reports line signal quality
Value	Meaning
0	Good
1	Fair
2	Poor
3	Equalization lost

LOCK SERIAL PORT	
Type:	Configuration
Format:	AT [cmds] \Jn [cmds]
Description:	Sets operation of serial port speed
Command	Function
í \J0	Serial speed locked
\J1	Serial speed follows connect speed

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MAXIMUM BLOCK SIZE FOR TRANSMISSION	
Type:	Configuration
Format:	AT [cmds] \An [cmds]
Description:	Sets the maximum transmittable block size for MNP
Command	Function
\A0	MNP block size is 64 characters
\A1	MNP block size is 128 characters
\A2	MNP block size is 192 characters
í \A3	MNP block size is 256 characters

MAXIMUM BLOCK SIZE FOR TRANSMISSION	
Type:	Configuration
Format:	AT [cmds] "On [cmds]
Description:	Sets the maximum transmittable block size for LAPM
Command	Function
"O16	LAPM block size is 16 characters
"O64	LAPM block size is 64 characters
"O128	LAPM block size is 128 characters
í "O192	LAPM block size is 192 characters

ON-LINE IN RELIABLE MODE	
Type:	Immediate
Format:	AT [cmds] \O [cmds]
Description:	Returns to on-line and requests reliable mode connection

V.42bis COMPRESSION	
Type:	Configuration
Format:	AT [cmds] "Hn [cmds]
Description:	Controls V.42bis data compression
Command	Function
"H0	V.42bis disabled
í "H1	V.42bis enabled

XON/XOFF PASS-THROUGH	
Type:	Configuration
Format:	AT [cmds] \Xn [cmds]
Description:	Selects whether XON/XOFF signals are sent to remote modem
Command	Function
í \X0	XON/XOFF signals trapped by local modem
\X1	XON/XOFF passed through local modem