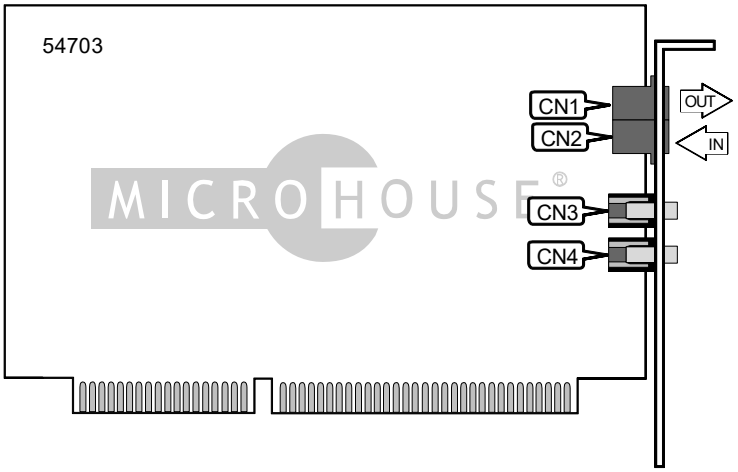
MAXTECH CORPORATION
SR 288HV (SF1128HV/S1)

Card Type	Modem/Fax card
Chip Set	Unidentified
I/O Options	Line out(RJ-11), line in(RJ-11), speaker, microphone
Maximum Modem Rate	28.8Kbps
Maximum Fax Rate	14.4Kbps
Data Modulation Protocol	Bell 103/212A ITU-T V34, V.32bis, V.32, V.22bis, V.22, V.21
Fax Modulation Protocol	ITU-T V.17, V.27ter, V.29, V.21
Error Correction/Compression	MNP5, V.42, V.42bis
Fax Class	Class I & II
Data Bus	16-bit ISA



CONNECTIONS			
Function	**Label**	**Function**	**Label**
RJ-11 line out	CN1	Speaker out	CN3
RJ-11 line in	CN2	Microphone in	CN4

SUPPORTED COMMAND SET
Basic AT Commands
AT, +++, A/
A, E, H, M, O, P, T, V, X, Y, Z
&F, &V, &W, &Y, &Z
Extended AT Commands
\Q
%A
S Registers
S0, S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S18, S25, S26, S38
Voice Commands
#CC, #VA=m, #VAA=n, #VB=f1,t, #VBL=n, #VBO=n, #VBS=n, #VC, #VCH, #VDR=e,r, #VDO, #VD1, #VF=n
#VG=n, #VH=n, #VL, #VM=n, #VNH=n, #VRA=n, #VRN=n, #VSC=n, #VSC=n, #VSC=n, #VSD=0,1,2,
#VSI=n, #VSM=n, #VSn, #VSP=n, #VSR=n, #VSS=n, #VST, #VSV, #VTI=n, #VTn, #VTR=n, #VZ=n
Note: See MHI Help File for full command documentation.

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PROPRIETARY AT COMMAND SET

AUTO-FALLFORWARD/FALLBACK	
Type:	Configuration
Format:	AT [cmds] &A*n* [cmds]
Description:	Enables/disables auto fallforward/fallback
Command	**Function**
&A0	Auto fallforward/fallback disabled
&A1	Auto fallforward/fallback enabled

COMMUNICATIONS MODE	
Type:	Configuration
Format:	AT [cmds] &M*n* [cmds]
Description:	Selects communications mode
Command	**Mode**
&M0	Asynchronous mode

DATA CARRIER DETECT (DCD)	
Type:	Configuration
Format:	AT [cmds] &C*n* [cmds]
Description:	Selects whether the DCD option is enabled or disabled
Command	**Function**
&C0	DCD enabled
í &C1	DCD enabled after carrier signal detected
&C2	DCD enabled. Toggle on disconnect

COMPRESSION	
Type:	Configuration
Format:	AT [cmds] %C*n* [cmds]
Description:	Selects data compression
Command	**Function**
%C0	Data compression disabled
%C1	V.42bis/MNP5 enabled
%C2	V.42bis transmit enabled
%C3	V.42bis receive enabled

DATA SET READY (DSR)	
Type:	Configuration
Format:	AT [cmds] &S*n* [cmds]
Description:	Selects DSR options
Command	**Function**
&S0	DSR forced high. Toggle off on disconnect
&S1	DSR high in on-line mode. Off in command mode
&S2	DSR follows Carrier Detect
&S3	DSR forced high

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DATA TERMINAL READY (DTR)	
Type:	Configuration
Format:	AT [cmds] &D*n* [cmds]
Description:	Selects modem response to DTR
Command	**Function**
í&D0	DTR override
&D1	DTR toggle causes online command mode
&D2	Normal DTR operations
&D3	Resets on receipt of DTR

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
DL	Re-dial last number.
DS=n	Dial stored telephone number *n*
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 Quite 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.

HANDSHAKE MODE	
Type:	Configuration
Format:	AT [cmds] &H*n* [cmds]
Description:	Selects data handshake mode
Command	**Mode**
í &H0	V.34 auto handshake mode
&H1	V.34 handshake mode
&H2	V.32bis auto handshake mode
&H3	V.32bis handshake mode
&H4	V.32 auto handshake mode
&H5	V.32 handshake mode
&H6	V.22bis hand shake mode
&H7	V.22 handshake mode
&H8	Bell 212A handshake mode
&H9	Bell 103 handshake mode
&H10	V.21 handshake mode

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REPORT INFORMATION	
Type:	Immediate
Format:	AT [cmds] I*n* [cmds]
Description:	Displays information requested
Command	**Function**
I0	Reports four digit product code
I1	Display 000
I2	Reports internal memory test
I3	Reports firmware ID
I4	Reports configuration settings

RESULT CODES	
Type:	Configuration
Format:	AT [cmds] Q*n* [cmds]
Description:	Enables modem to send result codes to the DTE
Command	**Function**
Q0	Result code sending enabled
Q1	Result code sending disabled
Q2	Result code sending enabled in originate mode

RTS/CTS	
Type:	Configuration
Format:	AT [cmds] &R*n* [cmds]
Description:	Selects RTS/CTS options
Command	**Function**
&R0	CTS high in command mode
í &R1	CTS follows flow control requirements
&R2	CTS high when modem is ready to receive a signal from the DTE
&R3	CTS forced high

SPEAKER VOLUME	
Type:	Configuration
Format:	AT [cmds] L*n* [cmds]
Description:	Controls speaker volume
Command	**Function**
L0	Low volume setting
L1	Low volume setting
í L2	Medium volume setting
L3	Highest volume setting

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TEST MODES	
Type:	Immediate
Format:	AT [cmds] &T*n*
Description:	Selects test options
Command	**Function**
&T0	End current test
&T1	Begin local analog loopback test
&T3	Begin local digital loopback
&T4	Grant remote digital loopback request
&T5	Deny remote digital loopback request
&T6	Request remote digital loopback
&T7	Request remote digital loopback and self-test
&T8	Begin local analog loopback and self-test
&T9	Complete self diagnostic

TRELLIS CODING	
Type:	Configuration
Format:	AT [cmds] &U*n* [cmds]
Description:	Enables/disables trellis coding
Command	**Function**
í&U0	V.32 trellis coding enabled
&U1	V.32 trellis coding disabled

EXTENDED AT COMMAND SET

AUTO-RELIABLE TIME BUFFER CONFIGURATION	
Type:	Configuration
Format:	AT [cmds] \C*n* [cmds]
Description:	Controls the handling of incoming data during auto-reliable time period
Command	**Function**
\C0	Data is discarded
\C1	Data is buffered for 4 seconds, until receiving 200 characters or until packet is detected
í \C2	Data is discarded; modem returns to normal mode on receiving auto-reliable fallback character.
\C3	Data is buffered with ITU-T V.14
\C4	Data is not buffered with ITU-T V.14

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BREAK TYPE	
Type:	Configuration
Format:	AT [cmds] \K*n* [cmds]
Description:	Configures action of break signal
Command	**Break from DTE**
\K0	Expedite break, destroy buffered data
\K1	Expedite break, save buffered data
\K2	Timed break, save buffered data
\K3	Ignore breaks sent from DTE
\K4	Timed break until no break character; save buffered data
\K5	Timed break until no break character; save buffered data

CONNECT MODE	
Type:	Configuration
Format:	AT [cmds] \N*n* [cmds]
Description:	Controls the type of connection the modem will operate in
Command	**Function**
\N0	Normal mode enabled
\N1	Direct mode enabled
\N2	V.42/MNP mode enabled
\N3	MNP or Normal mode enabled
\N4	V.42 mode enabled
\N5	V.42 or MNP reliable mode enabled
\N6	Simulated controlled carrier (half-duplex)

DATA SET READY (DSR) DURING LOOPBACK	
Type:	Configuration
Format:	AT [cmds] %D*n* [cmds]
Description:	Enables/disables DSR during loopback test
Command	**Function**
%D0	DSR forced high during loopback test
%D1	DSR off during loopback test

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DTE SPEED	
Type:	Configuration
Format	AT [cmds] \T*n* [cmds]
Description:	Selects DTE speed during data transfer
Command	**Function**
\T0	Auto-baud speed
í \T1	Last AT command speed
\T2	300bps
\T3	1200bps
\T4	2400bps
\T5	4800bps
\T6	7200bps
\T7	9600bps
\T8	12Kbps
\T9	14.4Kbps
\T10	16.8Kbps
\T11	19.2Kbps
\T12	21.6bps
\T13	24.0Kbps
\T14	26.4Kbps
\T15	28.8Kbps
\T16	38.4Kbps
\T17	57.6Kbps
\T18	76.8Kbps
\T19	115.2Kbps

DTR TRANSITION AUTODIAL	
Type:	Configuration
Format:	AT [cmds] %Z*n* [cmds]
Description:	Selects DTR off/on autodial options
Command	**Function**
%Z0	DTR off-to-on autodial disabled
%Z1=*n*	Dial telephone number *n* (1-3) of stored profiles after off-to-on transition
%Z2	Modem goes off hook and attempts to handshake after off-to-on DTR transition

EXTENDED RESULT CODES	
Type:	Configuration
Format:	AT [cmds] \V*n* [cmds]
Description:	Selects extended result codes
Command	**Function**
\V0	Reports DCE speed; extended result codes disabled
\V1	Reports DCE speed; extended result codes enabled
\V2	Reports DTE speed; extended result codes and /REL enabled
í \V3	Reports DTE speed; extended result codes disabled

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FLOW CONTROL	
Type:	Configuration
Format:	AT [cmds] \G*n* [cmds]
Description:	Selects DCE flow control
Command	**Function**
í \G0	DCE flow control disabled
\G1	DCE flow control enabled
\G2	DCE flow control enabled (Transmit)
\G3	DCE flow control with passthrough enabled

LINE SIGNAL QUALITY RETRAIN	
Type:	Configuration
Format:	AT [cmds] %Q [cmds]
Description:	Enables/disables retrain in relation to signal quality
Command	**Function**
%Q0	Retrain disabled on poor signal quality
%Q1	Retrain enabled; disconnect if unsuccessful after three attempts
%Q2	Retrain enabled; retrain until line quality is good

MAXIMUM BLOCK SIZE FOR TRANSMISSION	
Type:	Configuration
Format:	AT [cmds] \B*n* [cmds]
Description:	Sets the maximum transmittable block size
Command	**Function**
\B0	6N1 character length
\B1	7N1 character length
í \B2	7P1 character length
\B3	8N1 character length
\B4	7P2 character length
\B5	8P1 character length

ORIGINATE/ANSWER	
Type:	Configuration
Format:	AT [cmds] %O*n* [cmds]
Description:	Selects originate or answer mode
Command	**Function**
%O0	Normal answer mode enabled
%O1	Originate call in answer mode
%O2	Answer call in originate mode

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PARITY	
Type:	Configuration
Format:	AT [cmds] \P*n* [cmds]
Description:	Sets parity options
Command	**Function**
\P0	Even parity
\P1	Space parity
\P2	Odd parity
\P3	Mark parity
í \P4	Automatic parity form last AT command

RESULT CODE RATE	
Type:	Configuration
Format	AT [cmds] %R*n* [cmds]
Description:	Selects result code sending speed
Command	**Function**
%R0	Auto-baud result code
í %R1	Last connect speed
%R2	300bps
%R3	1200bps
%R4	2400bps
%R5	4800bps
%R6	7200bps
%R7	9600bps
%R8	12Kbps
%R9	14.4Kbps
%R10	16.8Kbps
%R11	19.2Kbps
%R12	21.6bps
%R13	24.0Kbps
%R14	26.4Kbps
%R15	28.8Kbps
%R16	38.4Kbps
%R17	57.6Kbps
%R18	76.8Kbps
%R19	115.2Kbps

SPEED CORRECTION	
Type:	Configuration
Format:	AT [cmds] \A*n* [cmds]
Description:	Selects over-speed correction protocols
Command	**Function**
í \A0	1.25% over-speed correction during V.14 connection
\A1	2.5% over-speed correction during V.14 connection

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S(status) REGISTERS

RETRANSMISSION COUNTER	
Type:	Register
Format:	AT [cmds] S70=*n* [cmds]
Range:	0-255
Unit:	Unidentified
Description:	Determines the number of retransmissions. Default=100