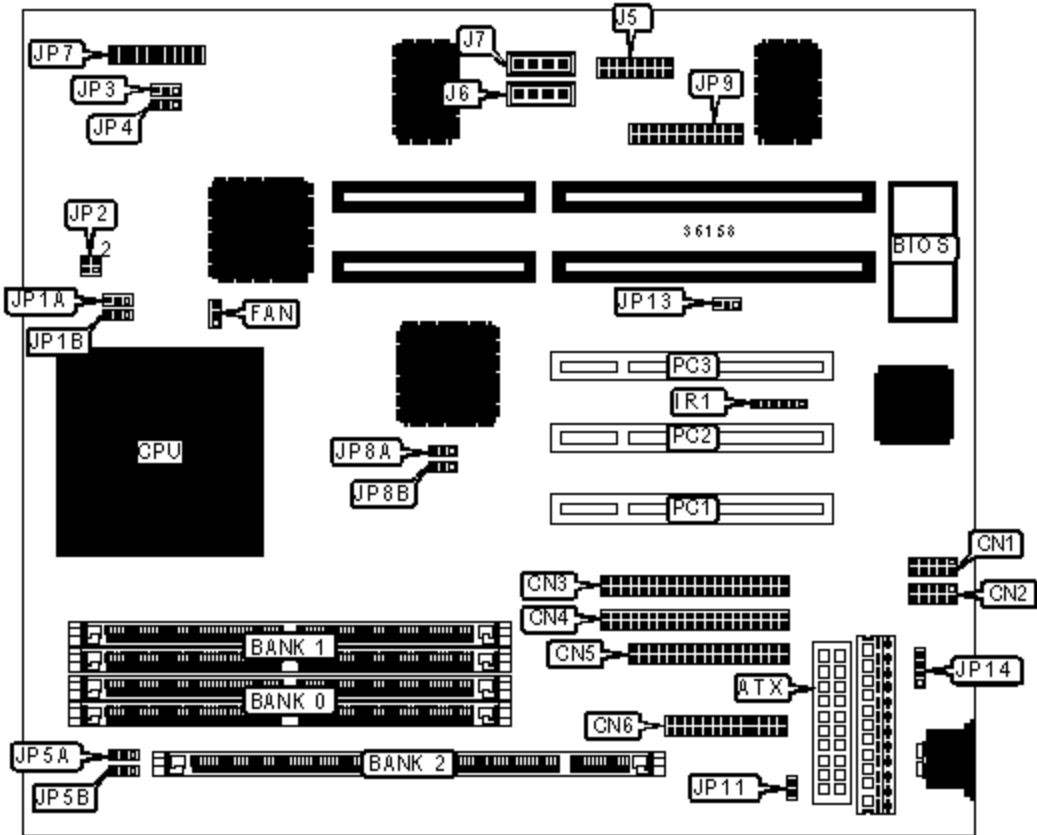


DATAEXPERT CORPORATION

MGX7510

Device Type	Mainboard
Processor	CX MediaGX
Processor Speed	120/133/150/166/180/200MHz
Chip Set	CX 5510
Video Chip Set	Unidentified
Audio Chip Set	Unidentified
Maximum Onboard Memory	128MB (EDO and SDRAM supported)
Cache	16KB
BIOS	Unidentified
Dimensions	254mm x 218mm
I/O Options	32-bit PCI slots (3), floppy drive interface, game interface, green PC connector, IDE interfaces (2), parallel port, PS/2 mouse interface, serial ports (2), IR connector, ATX power connector, audio in - CD-ROMs (2)



CONNECTIONS			
Purpose	Location	Purpose	Location
ATX power connector	ATX	IR connector	IR1
Serial port 2	CN1	Speaker	JP7/pins 1/3/5/7
Serial port 1	CN2	Power LED	JP7/pins 2/4/6
IDE interface 1	CN3	Reset switch	JP7/pins 13 & 14
IDE interface 2	CN4	IDE interface LED	JP7/pins 15 & 16
Floppy drive interface	CN5	Green PC connector	JP7/pins 17 & 18

Supply drive interface	CN5	Green PC connector	JP7/pins 19 & 20
Parallel port	CN6	Green PC LED	JP7/pins 19 & 20
CPU fan power	FAN	MIDI board connector	JP9
Game interface	J5	Soft off power supply	JP11
Audio in - CD-ROM	J6	PS/2 mouse interface	JP14
Audio in - CD-ROM	J7	32-bit PCI slots	PC1 - PC3

USER CONFIGURABLE SETTINGS			
Function		Label	Position
»	CMOS memory normal operation	JP13	Pins 1 & 2 closed
	CMOS memory clear	JP13	Pins 2 & 3 closed

SIMM CONFIGURATION		
Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None
32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36

Note: Board accepts EDO memory.	

DIMM CONFIGURATION	
Size	Bank 2
8MB	(1) 1M x 64
16MB	(1) 2M x 64
32MB	(1) 4M x 64
64MB	(1) 8M x 64
128MB	(1) 16M x 64
Note: Board accepts EDO and SDRAM memory.	

DIMM VOLTAGE CONFIGURATION		
Voltage	JP5A	JP5B
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU SPEED SELECTION						
Speed	Clock Speed	Multiplier	JP1A	JP1B	JP8A	JP8B
120MHz	30MHz	4x	1 & 2	1 & 2	2 & 3	1 & 2
133MHz	33MHz	4x	1 & 2	1 & 2	1 & 2	2 & 3
150MHz	30MHz	5x	2 & 3	1 & 2	2 & 3	1 & 2
166MHz	33MHz	5x	2 & 3	1 & 2	1 & 2	2 & 3
180MHz	30MHz	6x	1 & 2	2 & 3	2 & 3	1 & 2
200MHz	33MHz	6x	1 & 2	2 & 3	1 & 2	2 & 3
Note: Indicated pins are in the closed position.						

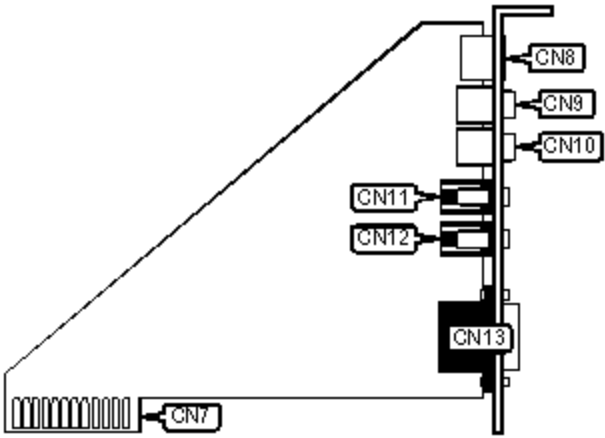
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CPU VOLTAGE SELECTION (SINGLE)

Voltage	JP2	JP3	JP4
2.9v	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
3.6v	Pins 3 & 4 closed	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU VOLTAGE SELECTION (DUAL)

V Core	V I/O	JP2	JP3	JP4
2.9v	3.3v	1 & 2	1 & 2	1 & 2
3.6v	3.3v	3 & 4	1 & 2	1 & 2



CONNECTIONS

Purpose	Location	Purpose	Location
MGX-midi connector	CN7	Line in	CN11
S-TRM connector	CN8	Microphone in	CN12
Video out	CN9	VGA connector	CN13
Line out	CN10	32-bit PCI slots	PC1 - PC3