LANNER ELECTRONICS, INC.
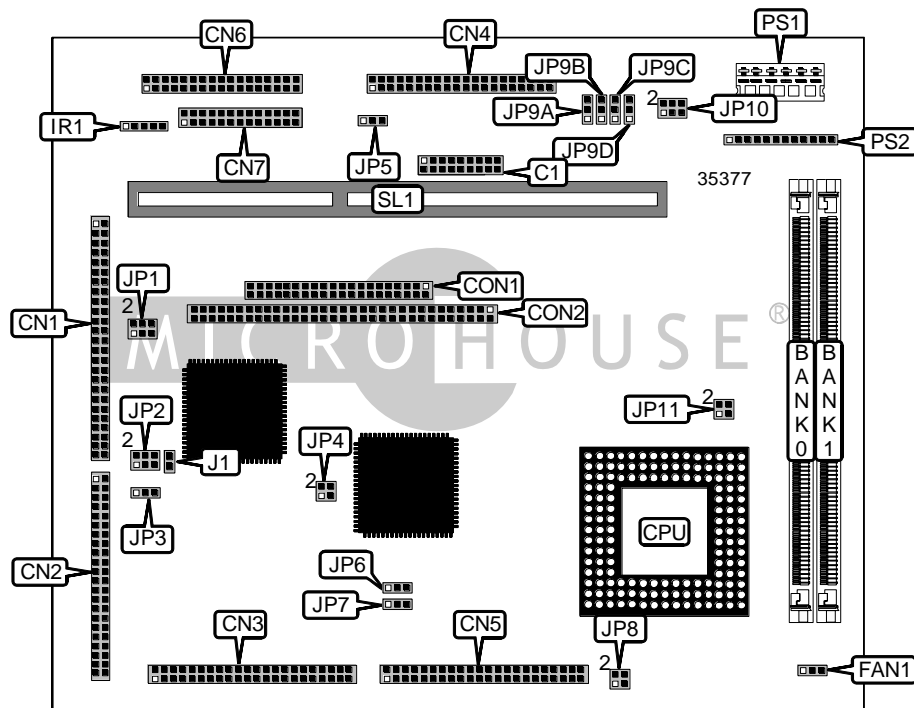# E M - 5 2 0

Device Type	Single board computer
Processor	Cyrix MediaGX
Processor Speed	Unidentified
Chip Set	Cyrix
Video Chip Set	Cyrix
Maximum Onboard Memory	64MB Unified Memory Architecture (UMA)
Maximum Video Memory	None
Cache	512KB
BIOS	AMI, Award
Dimensions	203mm x 146mm
I/O Options	Floppy drive interface, IDE interface, parallel port, serial ports (4), riser slot, IR connector, USB connectors (2), PC/104 connectors (2), TV output, Ethernet 10Base-T connector, game port, audio in - CD-ROM, microphone in, line in
NPU Options	None

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CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Serial port (COM1 - COM4)	CN1	PC/104 connector	CON1
VGA, TV, LAN, game connector	CN2	PC/104 connector	CON2
CD, MIC, LINE, keyboard, USB1/2	CN3	Chassis fan power	FAN1
IDE interface	CN4	IR connector	IR1
LCD panel connector	CN5	Power connector	PS1
Floppy drive interface	CN6	Power connector	PS2
Parallel port	CN7	Riser slot	SL1

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
í Factory configured - do not alter	J1	Unidentified
í CMOS memory normal operation	JP3	Pins 1 & 2 closed
CMOS memory clear	JP3	Pins 2 & 3 closed
í Factory configured - do not alter	JP4	Unidentified
í Factory configured - do not alter	JP6	Pins 2 & 3 closed
í LCD flat panel voltage select 5v	JP7	Pins 1 & 2 closed
LCD flat panel voltage select 3.3v	JP7	Pins 2 & 3 closed
í Factory configured - do not alter	JP8	Pins 3 & 4 closed
í Factory configured - do not alter	JP11	Pins 1 & 2, 3 & 4 closed

SIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
1MB	(1) 256K x 36	None
2MB	(1) 512K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36
3MB	(1) 512K x 36	(1) 256K x 36
4MB	(1) 1M x 36	None
4MB	(1) 512K x 36	(1) 512K x 36
5MB	(1) 1M x 36	(1) 256K x 36
6MB	(1) 1M x 36	(1) 512K x 36
8MB	(1) 2M x 36	None
8MB	(1) 1M x 36	(1) 1M x 36
9MB	(1) 2M x 36	(1) 256K x 36
10MB	(1) 2M x 36	(1) 512K x 36
16MB	(1) 2M x 36	(1) 2M x 36
17MB	(1) 4M x 36	(1) 256K x 36

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SIMM CONFIGURATION (CON'T)		
Size	**Bank 0**	**Bank 1**
24MB	(1) 4M x 36	(1) 2M x 36
32MB	(1) 4M x 36	(1) 4M x 36
36MB	(1) 8M x 36	(1) 1M x 36
40MB	(1) 8M x 36	(1) 2M x 36
64MB	(1) 8M x 36	(1) 8M x 36

CACHE CONFIGURATION
Note: 512KB cache is factory installed and is not configurable. The location is unidentified.

SERIAL PORT 3 SELECTION	
Setting	**JP1**
í RS-232	Pins 1 & 2 closed
RS-422	Pins 3 & 4 closed
RS-485	Pins 5 & 6 closed

SERIAL PORT 4 SELECTION	
Setting	**JP2**
í RS-232	Pins 1 & 2 closed
RS-422	Pins 3 & 4 closed
RS-485	Pins 5 & 6 closed

FLASH BIOS ADDRESS SELECTION	
Address	**JP10**
C800	Pins 1 & 2 closed
D000	Pins 3 & 4 closed
D800	Pins 5 & 6 closed

WATCH DOG TIMER SELECTION				
Seconds	**JP9A**	**JP9B**	**JP9C**	**JP9D**
.5	Pins 1 & 2 closed	Open	Open	Open
1	Open	Pins 1 & 2 closed	Open	Open
2	Open	Open	Pins 1 & 2 closed	Open
4	Open	Open	Open	Pins 1 & 2 closed
8	Open	Open	Open	Pins 2 & 3 closed
16	Open	Open	Pins 2 & 3 closed	Open
32	Open	Pins 2 & 3 closed	Open	Open
64	Pins 2 & 3 closed	Open	Open	Open

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WATCH DOG SELECTION	
Setting	**JP5**
í Reset system	Pins 1 & 2 closed
NMI system	Pins 2 & 3 closed
Disabled	Open