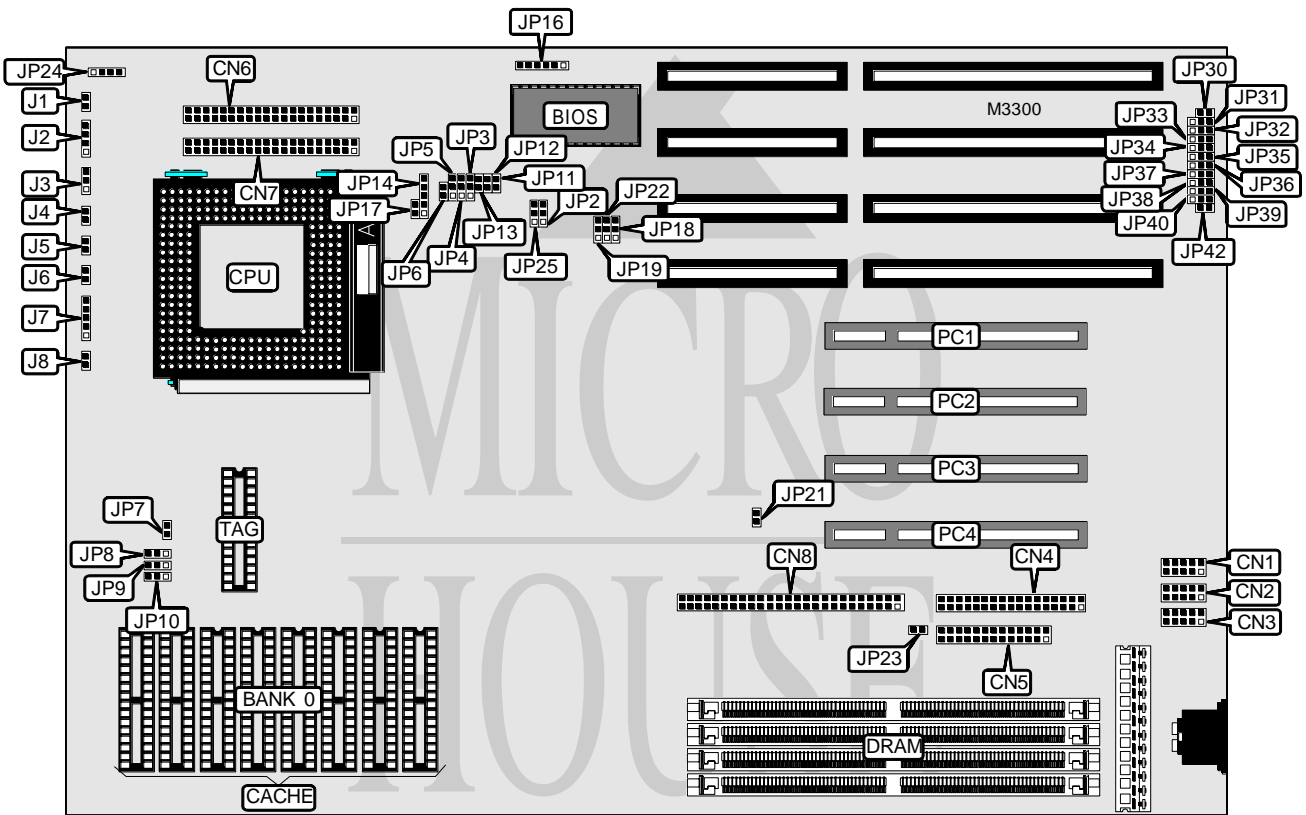


# ROBOTECH, INC. COBRA-XLP-PCI

<b>Processor</b>	Pentium
<b>Processor Speed</b>	75/90/100/120/133MHz
<b>Chip Set</b>	SIS
<b>Maximum Onboard Memory</b>	512MB
<b>Cache</b>	256/512/1024KB
<b>BIOS</b>	Award
<b>Dimensions</b>	330mm x 218mm
<b>I/O Options</b>	32-bit PCI slots (4), floppy drive interface, game port, green PC connector, IDE interfaces (2), SCSI connector, parallel port, serial ports (2)
<b>NPU Options</b>	None



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CONNECTIONS			
Function	Label	Function	Label
Game port	CN1	Turbo switch	J3
Serial port	CN2	Turbo LED	J4
Serial port	CN3	Green PC connector	J5
Floppy drive interface	CN4	Green PC LED	J6
Parallel port	CN5	Power LED & keylock	J7
IDE interface	CN6	Reset switch	J8
IDE interface	CN7	Green PC connector	JP17
SCSI interface	CN8	External battery	JP24
SCSI interface LED	J1	32-bit PCI slots	PC1 - PC4
Speaker	J2		

Note: CN1 - CN3 are shown for location purposes only. The exact purpose of these connectors is unidentified.

USER CONFIGURABLE SETTINGS		
Setting	Label	Position
í IDE interface enabled	JP2	Pins 1 & 2 closed
IDE interface disabled	JP2	Pins 2 & 3 closed
í CPU cache data select invalid in bus master read or write cycle	JP3	Pins 1 & 2 closed
CPU cache data select invalid only in bus master cycle	JP3	Pins 2 & 3 closed
í Cache type select write back	JP4	Pins 1 & 2 closed
Cache type select write through	JP4	Pins 2 & 3 closed
í Factory configured - do not alter	JP5	Pins 1 & 2 closed
TAG size select 8 bits (do not change setting)	JP10	Pins 1 & 2 closed
TAG size select 7 bits (do not change setting)	JP10	Pins 2 & 3 closed
í Green PC select stop clock	JP14	Pins 1 & 2 closed
Green PC select SMI	JP14	Pins 2 & 3 closed
í Factory configured - do not alter	JP16	Pins 2 & 3, 4 & 5 closed
í Factory configured - do not alter	JP17	N/A
í SCSI terminator power source select system	JP23	Closed
SCSI terminator power source select peripheral	JP23	Open
í CMOS memory normal operation	JP24	Pins 2 & 3 closed
CMOS memory clear	JP24	Pins 3 & 4 closed
Battery type select external	JP24	Closed
í Factory configured - do not alter	JP25	N/A
í Game port enabled	JP30	Closed
Game port disabled	JP30	Open
í Floppy drive interface enabled	JP31	Pins 1 & 2 closed
Floppy drive interface disabled	JP31	Pins 2 & 3 closed
í Parallel port IRQ select IRQ5	JP34	Pins 2 & 3 closed
Parallel port IRQ select IRQ7	JP34	Pins 1 & 2 closed
í Parallel port enabled	JP35	Pins 1 & 2 closed
Parallel port disabled	JP35	Pins 2 & 3 closed

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USER CONFIGURABLE SETTINGS (CON'T)		
Setting	Label	Position
í Serial port 1 COM1 enabled	JP39	Pins 1 & 2 closed
Serial port COM1 disabled	JP39	Pins 2 & 3 closed
í Parallel port bidirectional	JP42	Open
Parallel port unidirectional	JP42	Closed

DRAM				
Size	Bank 0	Bank 1	Bank 2	Bank 3
1MB	None	None	None	(1) 256K x 32
1MB	None	None	(1) 256K x 32	None
1MB	None	(1) 256K x 32	None	None
1MB	(1) 256K x 32	None	None	None
2MB	(1) 256K x 32	(1) 256K x 32	None	None
2MB	None	None	None	(1) 512K x 32
2MB	None	None	(1) 512K x 32	None
2MB	None	(1) 512K x 32	None	None
2MB	(1) 512K x 32	None	None	None
4MB	(1) 512K x 32	(1) 512K x 32	None	None
4MB	(1) 256K x 32	(1) 256K x 32	(1) 256K x 32	(1) 256K x 32
4MB	None	None	None	(1) 1M x 32
4MB	None	None	(1) 1M x 32	None
4MB	None	(1) 1M x 32	None	None
4MB	(1) 1M x 32	None	None	None
6MB	(1) 512K x 32	(1) 512K x 32	(1) 256K x 32	(1) 256K x 32
6MB	(1) 256K x 32	(1) 256K x 32	(1) 512K x 32	(1) 512K x 32
8MB	(1) 1M x 32	(1) 1M x 32	None	None
8MB	(1) 512K x 32	(1) 512K x 32	(1) 512K x 32	(1) 512K x 32
8MB	None	None	None	(1) 2M x 32
8MB	None	None	(1) 2M x 32	None
8MB	None	(1) 2M x 32	None	None
8MB	(1) 2M x 32	None	None	None
10MB	(1) 1M x 32	(1) 1M x 32	(1) 512K x 32	(1) 512K x 32
10MB	(1) 256K x 32	(1) 256K x 32	(1) 1M x 32	(1) 1M x 32
12MB	(1) 1M x 32	(1) 1M x 32	(1) 512K x 32	(1) 512K x 32
12MB	(1) 512K x 32	(1) 512K x 32	(1) 1M x 32	(1) 1M x 32
16MB	(1) 2M x 32	(1) 2M x 32	None	None
16MB	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32	(1) 1M x 32
16MB	None	None	None	(1) 4M x 32
16MB	None	None	(1) 4M x 32	None
16MB	None	(1) 4M x 32	None	None
16MB	(1) 4M x 32	None	None	None
18MB	(1) 2M x 32	(1) 2M x 32	(1) 256K x 32	(1) 256K x 32
18MB	(1) 256K x 32	(1) 256K x 32	(1) 2M x 32	(1) 2M x 32

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DRAM				
Size	Bank 0	Bank 1	Bank 2	Bank 3
20MB	(1) 2M x 32	(1) 2M x 32	(1) 512K x 32	(1) 512K x 32
20MB	(1) 512K x 32	(1) 512K x 32	(1) 2M x 32	(1) 2M x 32
24MB	(1) 2M x 32	(1) 2M x 32	(1) 1M x 32	(1) 1M x 32
24MB	(1) 1M x 32	(1) 1M x 32	(1) 2M x 32	(1) 2M x 32
32MB	(1) 4M x 32	(1) 4M x 32	None	None
32MB	(1) 2M x 32	(1) 2M x 32	(1) 2M x 32	(1) 2M x 32
32MB	None	None	None	(1) 8M x 32
32MB	None	None	(1) 8M x 32	None
32MB	None	(1) 8M x 32	None	None
32MB	(1) 8M x 32	None	None	None
34MB	(1) 256K x 32	(1) 256K x 32	(1) 4M x 32	(1) 4M x 32
34MB	(1) 4M x 32	(1) 4M x 32	(1) 256K x 32	(1) 256K x 32
36MB	(1) 4M x 32	(1) 4M x 32	(1) 512K x 32	(1) 512K x 32
36MB	(1) 512K x 32	(1) 512K x 32	(1) 4M x 32	(1) 4M x 32
40MB	(1) 4M x 32	(1) 4M x 32	(1) 1M x 32	(1) 1M x 32
40MB	(1) 1M x 32	(1) 1M x 32	(1) 4M x 32	(1) 4M x 32
48MB	(1) 4M x 32	(1) 4M x 32	(1) 2M x 32	(1) 2M x 32
48MB	(1) 2M x 32	(1) 2M x 32	(1) 4M x 32	(1) 4M x 32
64MB	(1) 8M x 32	(1) 8M x 32	None	None
64MB	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32	(1) 4M x 32
64MB	None	None	None	(1) 16M x 32
64MB	None	None	(1) 16M x 32	None
64MB	None	(1) 16M x 32	None	None
64MB	(1) 16M x 32	None	None	None
66MB	(1) 8M x 32	(1) 8M x 32	(1) 256K x 32	(1) 256K x 32
66MB	(1) 256K x 32	(1) 256K x 32	(1) 8M x 32	(1) 8M x 32
68MB	(1) 8M x 32	(1) 8M x 32	(1) 512K x 32	(1) 512K x 32
68MB	(1) 512K x 32	(1) 512K x 32	(1) 8M x 32	(1) 8M x 32
72MB	(1) 8M x 32	(1) 8M x 32	(1) 1M x 32	(1) 1M x 32
72MB	(1) 1M x 32	(1) 1M x 32	(1) 8M x 32	(1) 8M x 32
80MB	(1) 8M x 32	(1) 8M x 32	(1) 2M x 32	(1) 2M x 32
80MB	(1) 2M x 32	(1) 2M x 32	(1) 8M x 32	(1) 8M x 32
96MB	(1) 8M x 32	(1) 8M x 32	(1) 4M x 32	(1) 4M x 32
96MB	(1) 4M x 32	(1) 4M x 32	(1) 8M x 32	(1) 8M x 32
128MB	(1) 16M x 32	(1) 16M x 32	None	None
128MB	(1) 8M x 32	(1) 8M x 32	(1) 8M x 32	(1) 8M x 32
128MB	None	None	None	(1) 32M x 32
128MB	None	None	(1) 32M x 32	None
128MB	None	(1) 32M x 32	None	None
128MB	(1) 32M x 32	None	None	None
130MB	(1) 16M x 32	(1) 16M x 32	(1) 256K x 32	(1) 256K x 32
132MB	(1) 256K x 32	(1) 256K x 32	(1) 16M x 32	(1) 16M x 32

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DRAM (CON'T)				
Size	Bank 0	Bank 1	Bank 2	Bank 3
136MB	(1) 16M x 32	(1) 16M x 32	(1) 1M x 32	(1) 1M x 32
144MB	(1) 1M x 32	(1) 1M x 32	(1) 16M x 32	(1) 16M x 32
160MB	(1) 16M x 32	(1) 16M x 32	(1) 4M x 32	(1) 4M x 32
192MB	(1) 16M x 32	(1) 16M x 32	(1) 8M x 32	(1) 8M x 32
256MB	(1) 16M x 32	(1) 16M x 32	(1) 16M x 32	(1) 16M x 32
256MB	(1) 32M x 32	(1) 32M x 32	None	None
258MB	(1) 32M x 32	(1) 32M x 32	(1) 256K x 32	(1) 256K x 32
260MB	(1) 32M x 32	(1) 32M x 32	(1) 512K x 32	(1) 512K x 32
264MB	(1) 32M x 32	(1) 32M x 32	(1) 1M x 32	(1) 1M x 32
272MB	(1) 32M x 32	(1) 32M x 32	(1) 2M x 32	(1) 2M x 32
288MB	(1) 32M x 32	(1) 32M x 32	(1) 4M x 32	(1) 4M x 32
320MB	(1) 32M x 32	(1) 32M x 32	(1) 8M x 32	(1) 8M x 32
384MB	(1) 16M x 32	(1) 16M x 32	(1) 32M x 32	(1) 32M x 32
384MB	(1) 32M x 32	(1) 32M x 32	(2) 32M x 32	(2) 16M x 32
512MB	(1) 32M x 32	(1) 32M x 32	(1) 32M x 32	(1) 32M x 32

Note: The orientation of the banks is unidentified.

CACHE SIZE		
Size	Bank 0	TAG
256KB	(8) 32K x 8	(1) 8K x 8
512KB	(8) 64K x 8	(1) 32K x 8
1MB	(8) 128K x 8	(1) 64K x 8

CACHE JUMPER		
Size	JP8	JP9
256KB	Pins 1 & 2 closed	Pins 1 & 2 closed
512KB	Pins 2 & 3 closed	Pins 1 & 2 closed
1MB	Pins 2 & 3 closed	Pins 2 & 3 closed

CPU SPEED (MX8318)			
Setting	JP11	JP12	JP13
75MHz	Open	Open	Closed
90MHz	Open	Closed	Open
100MHz	Closed	Open	Closed
120MHz	Open	Closed	Open
133MHz	Closed	Open	Closed

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CPU SPEED (MX8325)			
Setting	JP11	JP12	JP13
75MHz	Closed	Closed	Open
90MHz	Closed	Open	Closed
100MHz	Closed	Closed	Closed
120MHz	Closed	Open	Closed
133MHz	Closed	Closed	Closed

CPU MULTIPLIER	
Setting	JP6
1.5x	Open
2x	Closed

CPU VOLTAGE	
Setting	JP7
3.3v - 3.45v	Open
3.45v - 3.6v	Closed

DMA CHANNEL		
Setting	JP37	JP38
1 DMA1	Pins 1 & 2 closed	Pins 1 & 2 closed
DMA3	Pins 2 & 3 closed	Pins 2 & 3 closed

PARALLEL PORT		
Setting	JP32	JP36
1 Printer	Pins 2 & 3 closed	Pins 2 & 3 closed
EPP mode	Pins 2 & 3 closed	Pins 1 & 2 closed
ECP/EPP	Pins 1 & 2 closed	Pins 2 & 3 closed
EXT, 2 FDD	Pins 1 & 2 closed	Pins 1 & 2 closed

SERIAL PORT 2		
Setting	JP33	JP40
1 COM2	Pins 2 & 3 closed	Pins 1 & 2 closed
COM3	Pins 1 & 2 closed	Pins 1 & 2 closed
COM4	Pins 1 & 2 closed	Pins 2 & 3 closed
Disabled	Pins 2 & 3 closed	Pins 2 & 3 closed

SCSI & SCSI IRQ				
Setting	JP18	JP19	JP21	JP22
IRQ9 enabled	Pins 2 & 3 closed	Pins 2 & 3 closed	Open	Pins 1 & 2 closed
IRQ11 enabled	Pins 2 & 3 closed	Pins 2 & 3 closed	Open	Pins 2 & 3 closed
Disabled	Pins 1 & 2 closed	Pins 1 & 2 closed	Closed	Open

DMA		
Setting	JP37	JP38
1 DMA1	Pins 1 & 2 closed	Pins 1 & 2 closed

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DMA3	Pins 2 & 3 closed	Pins 2 & 3 closed
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