ROBOTECH, INC.
COBRA-RT VER. A

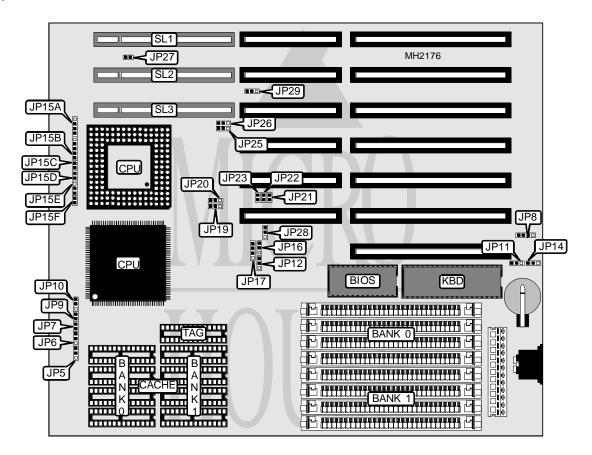|	
Processor	CX486S/80486SX/CX487S/80487SX/80486DX/ODP486SX/80486DX2/ 80486DX4/Pentium Overdrive
Processor Speed	25/33/40/50(internal)/50/66(internal)MHz
Chip Set	SIS
Max. Onboard DRAM	64MB
Cache	32/64/128/256KB
BIOS	AMI
Dimensions	254mm x 220mm
I/O Options	32-bit VESA local bus slots (3)
NPU Options	None

CONNECTIONS			
Purpose	Location	Purpose	Location
External battery	JP8	Reset switch	JP15D
Speaker	JP15A	Turbo switch	JP15E
Power LED & keylock	JP15B	+5vDC ground	JP15F
Turbo LED	JP15C	32-bit VESA local bus slots	SL1 - SL3

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USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í CMOS memory normal operation	JP8	pins 2 & 3 closed
CMOS memory clear	JP8	pins 3 & 4 closed
í Power good signal detect from power supply	JP11	pins 1 & 2 closed
Power good signal detect from board	JP11	pins 2 & 3 closed
í CPU type select 1 CPU on board (PQFP or PGA)	JP12	pins 1 & 2 closed
CPU type select 2 CPU on board (PGA enabled PQFP disabled)	JP12	pins 2 & 3 closed
í Green PC mode enabled	JP14	pins 2 & 3 closed
Green PC mode disabled	JP14	pins 1 & 2 closed
í VESA bus address type select asynchronous (40/50mhz CPU)	JP19	pins 1 & 2 closed
VESA bus address type select synchronous	JP19	pins 2 & 3 closed
í VESA bus data type select synchronous	JP20	pins 1 & 2 closed
VESA bus data type select asynchronous	JP20	pins 2 & 3 closed
í VGA card select normal	JP28	pins 1 & 2 closed
VGA card select Weitek Power 9000 VGA only	JP28	pins 2 & 3 closed

DRAM CONFIGURATION		
Size	Bank 0	Bank 1
1MB	(4) 256K x 9	NONE
2MB	(4) 256K x 9	(4) 256K x 9
4MB	(4) 1M x 9	NONE
5MB	(4) 256K x 9	(4) 1M x 9
8MB	(4) 1M x 9	(4) 1M x 9
16MB	(4) 4M x 9	NONE
17MB	(4) 4M x 9	(4) 256K x 9
20MB	(4) 4M x 9	(4) 1M x 9
32MB	(4) 4M x 9	(4) 4M x 9
64MB	(4) 16M x 9	NONE

CACHE CONFIGURATION			
Size	Bank 0	Bank 1	TAG
32KB	(4) 8K x 8	NONE	(1) 8K x 8
64KB	(4) 8K x 8	(4) 8K x 8	(1) 8K x 8
128KB	(4) 32K x 8	NONE	(1) 8K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 16K x 8
256KB	(4) 32K x 8	(4) 32K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION					
Size	JP5	JP6	JP7	JP9	JP10
32KB	2 & 3	Open	Open	Open	Open
64KB	1 & 2	Open	Open	Closed	Open
128KB	2 & 3	2 & 3	Closed	Closed	Open
256KB	1 & 2	1 & 2	Closed	Closed	2 & 3
256KB	1 & 2	1 & 2	Closed	Closed	1 & 2
Note: Pins designated should be in the closed position.					

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CPU TYPE CONFIGURATION		
Type	JP16	JP17
CX486S	Open	pins 2 & 3 closed
80486SX	Open	pins 2 & 3 closed
80487SX	pins 2 & 3 closed	pins 1 & 2, 3 & 4 closed
ODP486SX	pins 2 & 3 closed	pins 1 & 2, 3 & 4 closed
80486DX/DX2/DX4	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed
Pentium Overdrive	pins 1 & 2 closed	pins 1 & 2, 3 & 4 closed

CPU SPEED CONFIGURATION				
Speed	JP21	JP22	JP23	JP27
25MHz	Closed	Open	Closed	Open
33MHz	Closed	Closed	Open	Open
40MHz	Open	Open	Closed	Closed
50iMHz	Closed	Open	Closed	Open
50MHz	Open	Closed	Open	Closed
66iMHz	Closed	Closed	Open	Open

VESA BUS CLOCK CONFIGURATION			
Setting	JP25 (SL2)	JP26 (SL1)	JP29 (SL3)
Synchronous	pins 1 & 2 closed	pins 1 & 2 closed	pins 1 & 2 closed
Asynchronous	pins 2 & 3 closed	pins 2 & 3 closed	pins 2 & 3 closed

CIRRUS LOGIC VIDEO CARD CONFIGURATION (VER. AB)		
CPU speed	JP19	JP20
25MHz	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	pins 2 & 3 closed	pins 1 & 2 closed
40MHz	pins 1 & 2 closed	pins 1 & 2 closed
50iMHz	pins 2 & 3 closed	pins 1 & 2 closed
50MHz	pins 1 & 2 closed	pins 1 & 2 closed
66iMHz	pins 2 & 3 closed	pins 1 & 2 closed

CIRRUS LOGIC VIDEO CARD CONFIGURATION (VER. AC)		
CPU speed	JP19	JP20
25MHz	pins 2 & 3 closed	pins 1 & 2 closed
33MHz	pins 2 & 3 closed	pins 1 & 2 closed
40MHz	pins 1 & 2 closed	pins 2 & 3 closed
50iMHz	pins 2 & 3 closed	pins 1 & 2 closed
50MHz	pins 1 & 2 closed	pins 2 & 3 closed
66iMHz	pins 2 & 3 closed	pins 1 & 2 closed