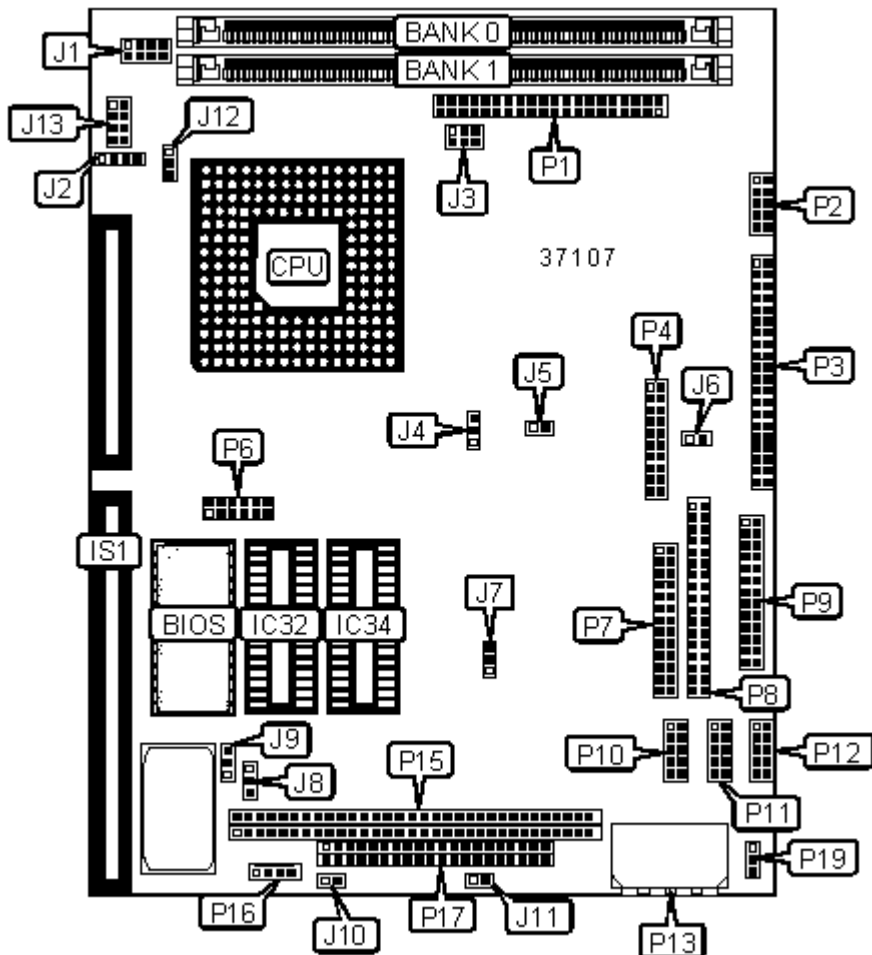


BLUE CHIP TECHNOLOGY, LTD.

APEX II

Device Type	Single Board Computer
Processor	80486SX/80486DX/80486DX2/80486DX4/P24T
Processor Speed	16/25/33/40/50/66MHz
Chip Set	Unidentified
Video Chip Set	Cirrus Logic
Maximum Onboard Memory	16MB
Maximum Video Memory	512KB
Cache	Unidentified
BIOS	AMI
Dimensions	204mm x 147mm
I/O Options	16-bit ISA slot, AT/PS/2 keyboard interface, Auxiliary power connector, External battery connector, Digital I/O port interface, Flat panel connector, Floppy drive interface, IDE interface, Parallel interface, PC/104 connectors (2), POST interface, Power connector, PS/2 mouse interface, Serial interfaces (3), Video interface



CONNECTIONS			
Purpose	Location	Purpose	Location
16-bit ISA slot	IS1	RS232 serial interface 1	P10
Flat panel connector	P1	RS232 serial interface 2	P11

Video interface	P2	RS485 serial interface 1 & 2	P12
IDE interface	P3	5v/12v main power	P13
Peripheral/utilities interface	P4	8-bit PC/104 connector	P15
POST interface	P6	External battery connector	P16
Parallel interface	P7	16-bit PC/104 connector	P17
Floppy drive interface	P8	Auxiliary power	P19
Digital I/O port interface	P9		

USER CONFIGURABLE SETTINGS

Function		Label	Position
	486DX CPU	J2	Pins 1 & 2, 3 & 4 closed
	486SX CPU	J2	Pins 2 & 3 closed
	Onboard video disabled	J4	Pins 1 & 2 closed
	Onboard video enabled	J4	Pins 2 & 3 closed
»	Factory configured - do not alter	J5	Unidentified
	IDE interface not grounded	J6	Open
	IDE interface grounded	J6	Closed
	Parallel interface IRQ select IRQ7 (LPT1)	J7	Pins 1 & 2 closed
	Parallel interface IRQ select IRQ5 (LPT2)	J7	Pins 2 & 3 closed
	External battery selected	J8	Pins 1 & 2 closed
	Internal battery selected	J8	Pins 2 & 3 closed
»	CMOS/SRAM memory normal operation	J9	Pins 1 & 2 closed
	CMOS/SRAM memory clear	J9	Pins 2 & 3 closed
	RS485 serial interface 1 full duplex	J10	Open
	RS485 serial interface 1 half duplex controlled by DTR	J10	Closed
	RS485 serial interface 2 full duplex	J11	Open
	RS485 serial interface 2 half duplex controlled by DTR	J11	Closed

486SX or 486DX CPU	J12	Pins 1 & 2 closed
P24T CPU	J12	Pins 2 & 3 closed
CPU voltage select 3.3v	J13	Open
CPU voltage select 5v	J13	Pins 1 & 2, 3 & 4, 5 & 6, 7 & 8 closed

SIMM CONFIGURATION

Size	Bank 0	Bank 1
1MB	(1) 256K x 36	None
2MB	(1) 256K x 36	(1) 256K x 36
4MB	(1) 1M x 36	None
5MB	(1) 1M x 36	(1) 256K x 36
8MB	(1) 1M x 36	(1) 1M x 36
16MB	(1) 4M x 36	None
16MB	None	(1) 4M x 36

FLASH MEMORY CONFIGURATION

Size	IC32
1024KB	Open
1152KB	128KB chip installed
1280KB	256KB chip installed
1536KB	512KB chip installed
2048KB	1024KB chip installed via PCB
3072KB	(2) 1024KB chips installed via PCB

Note: PCB connects to IC32. Optional flash memory card can connect to PCB. Diagram of PCB not available.

SRAM CONFIGURATION

Size	IC34
128KB	128KB chip installed

512KB	512KB chip installed
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CPU SPEED SELECTION

CPU Speed	J1/Pins 1 & 2	J1/Pins 3 & 4	J1/Pins 5 & 6	J1/Pins 7 & 8
16MHz	Closed	Closed	Closed	Open
25MHz	Closed	Open	Closed	Open
33MHz	Open	Open	Closed	Open
40MHz	Closed	Closed	Open	Open
50MHz	Open	Closed	Open	Open
66MHz	Closed	Open	Open	Open

FLAT PANEL DISPLAY SELECTION

Display Type	J3/Pins 1 & 2	J3/Pins 3 & 4	J3/Pins 5 & 6
TFT mode selected	Open	Open	Closed
Monochrome mode selected	Open	Closed	Closed
STN dual scan mode selected	Closed	Open	Closed
STN single scan mode selected	Closed	Closed	Closed