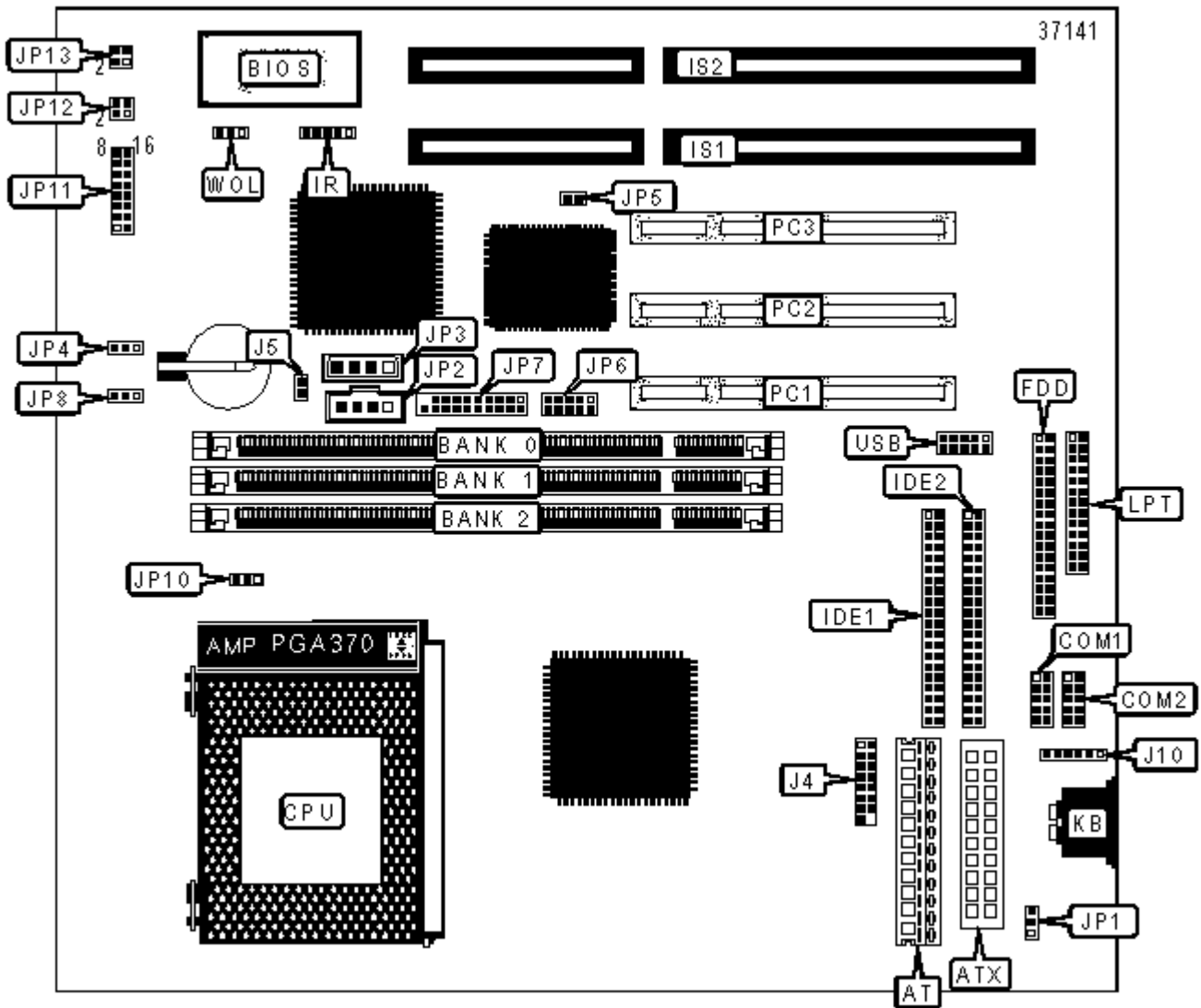


# J-MARK COMPUTER CORPORATION

J-620BF

<b>Device Type</b>	Mainboard
<b>Processor</b>	Celeron
<b>Processor Speed</b>	300/333/366/400/433MHz
<b>Chip Set</b>	SIS
<b>Maximum Onboard Memory</b>	1.5GB (SDRAM supported) (Unified Memory Architecture UMA)
<b>Audio Chip Set</b>	ESS
<b>Cache</b>	0/128KB (located on Celeron CPU)
<b>BIOS</b>	Award
<b>Dimensions</b>	220mm x 220mm
<b>I/O Options</b>	16-bit ISA slots (2), 32-bit PCI slots (3), floppy drive interface, game interface, green PC connector, IDE interfaces (2), parallel port, AT keyboard port, PS/2 mouse interface, serial interfaces (2), VGA interface, IR connector, USB interface, AT power connector, ATX power connector, audio in – CD-ROMs (2), Wake-on-LAN connector



## CONNECTIONS

Purpose	Location	Purpose	Location
AT power connector	AT	System fan power	JP8

ATX power connector	ATX	CPU fan power	JP10
Serial interface 1	COM1	Power LED & keylock	JP11/Pins 1 - 5
Serial interface 2	COM2	Turbo switch	JP11/Pins 6 - 8
Floppy drive interface	FDD	Speaker	JP11/Pins 9 - 12
IDE interface 1	IDE1	Reset switch	JP11/Pins 13 & 14
IDE interface 2	IDE2	Turbo LED	JP11/Pins 15 & 16
IR connector	IR	IDE interface LED	J12/pins 1 & 3
16-bit ISA slots	IS1 – IS2	Green PC connector	J12/pins 2 & 4
VGA interface	J4	Soft off power supply	JP13/ Pins 2 & 4
PS/2 mouse interface	J10	AT keyboard port	KB
Audio in – CD-ROM (Sony)	JP2	Parallel port	LPT
Audio in – CD-ROM (Panasonic)	JP3	32-bit PCI slots	PC1 – PC3
Audio connector	JP6	USB interface	USB
Game interface	JP7	Wake on LAN connector	WOL

#### USER CONFIGURABLE SETTINGS

Function		Label	Position
»	On board sound enabled	J5	Open
	On board sound disabled	J5	Closed
»	Power on keyboard enabled	JP1	Pins 1 & 2 closed
	Power on keyboard disabled	JP1	Pins 2 & 3 closed
»	CMOS memory normal operation	JP4	Pins 2 & 3 closed
	CMOS memory clear	JP4	Pins 1 & 2 closed
»	Audio chip disabled	JP5	Closed
	Audio chip enabled	JP5	Open
»	Factory configured - do not alter	JP13/Pins 1 & 3	Unidentified

#### DIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2
------	--------	--------	--------

16MB	(1) 2M x 64	None	None
32MB	(1) 4M x 64	None	None
32MB	(1) 2M x 64	(1) 2M x 64	None
48MB	(1) 4M x 64	(1) 2M x 64	None
48MB	(1) 2M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None	None
64MB	(1) 4M x 64	(1) 2M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64	None
80MB	(1) 8M x 64	(1) 2M x 64	None
80MB	(1) 4M x 64	(1) 4M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 2M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64	None
96MB	(1) 4M x 64	(1) 4M x 64	(1) 4M x 64
112MB	(1) 8M x 64	(1) 4M x 64	(1) 2M x 64
128MB	(1) 16M x 64	None	None
128MB	(1) 8M x 64	(1) 4M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64	None
144MB	(1) 16M x 64	(1) 2M x 64	None
144MB	(1) 8M x 64	(1) 8M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 2M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64	None
160MB	(1) 8M x 64	(1) 8M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 4M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64	None
192MB	(1) 8M x 64	(1) 8M x 64	(1) 8M x 64
208MB	(1) 16M x 64	(1) 8M x 64	(1) 2M x 64
256MB	(1) 32M x 64	None	None
256MB	(1) 16M x 64	(1) 8M x 64	(1) 8M x 64
264MB	(1) 32M x 64	(1) 1M x 64	None

272MB	(1) 32M x 64	(1) 2M x 64	None
288MB	(1) 32M x 64	(1) 2M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64	None
320MB	(1) 32M x 64	(1) 4M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64	None
384MB	(1) 32M x 64	(1) 8M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64	None
384MB	(1) 16M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 64M x 64	None	None
512MB	(1) 32M x 64	(1) 16M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64	None
528MB	(1) 64M x 64	(1) 2M x 64	None
544MB	(1) 64M x 64	(1) 2M x 64	(1) 2M x 64
544MB	(1) 64M x 64	(1) 4M x 64	None
560MB	(1) 64M x 64	(1) 4M x 64	(1) 2M x 64
576MB	(1) 64M x 64	(1) 4M x 64	(1) 4M x 64
576MB	(1) 64M x 64	(1) 8M x 64	None
592MB	(1) 64M x 64	(1) 8M x 64	(1) 2M x 64
608MB	(1) 64M x 64	(1) 8M x 64	(1) 4M x 64
640MB	(1) 64M x 64	(1) 8M x 64	(1) 8M x 64
640MB	(1) 64M x 64	(1) 16M x 64	None
656MB	(1) 64M x 64	(1) 16M x 64	(1) 2M x 64
672MB	(1) 64M x 64	(1) 16M x 64	(1) 4M x 64
704MB	(1) 64M x 64	(1) 16M x 64	(1) 8M x 64
768MB	(1) 64M x 64	(1) 16M x 64	(1) 16M x 64
768MB	(1) 64M x 64	(1) 32M x 64	None
768MB	(1) 32M x 64	(1) 32M x 64	(1) 32M x 64
784MB	(1) 64M x 64	(1) 32M x 64	(1) 2M x 64
800MB	(1) 64M x 64	(1) 32M x 64	(1) 4M x 64

832MB	(1) 64M x 64	(1) 32M x 64	(1) 8M x 64
896MB	(1) 64M x 64	(1) 32M x 64	(1) 16M x 64
1024MB	(1) 64M x 64	(1) 64M x 64	None
1024MB	(1) 64M x 64	(1) 32M x 64	(1) 32M x 64
1040MB	(1) 64M x 64	(1) 64M x 64	(1) 2M x 64
1056MB	(1) 64M x 64	(1) 64M x 64	(1) 4M x 64
1088MB	(1) 64M x 64	(1) 64M x 64	(1) 8M x 64
1152MB	(1) 64M x 64	(1) 64M x 64	(1) 16M x 64
1280MB	(1) 64M x 64	(1) 64M x 64	(1) 32M x 64
1536MB	(1) 64M x 64	(1) 64M x 64	(1) 64M x 64

Note: Board accepts SDRAM memory. Bank 0 must always be installed due to the VGA shared memory function.

### CACHE CONFIGURATION

Note: 0/128KB cache is located on the Celeron CPU.