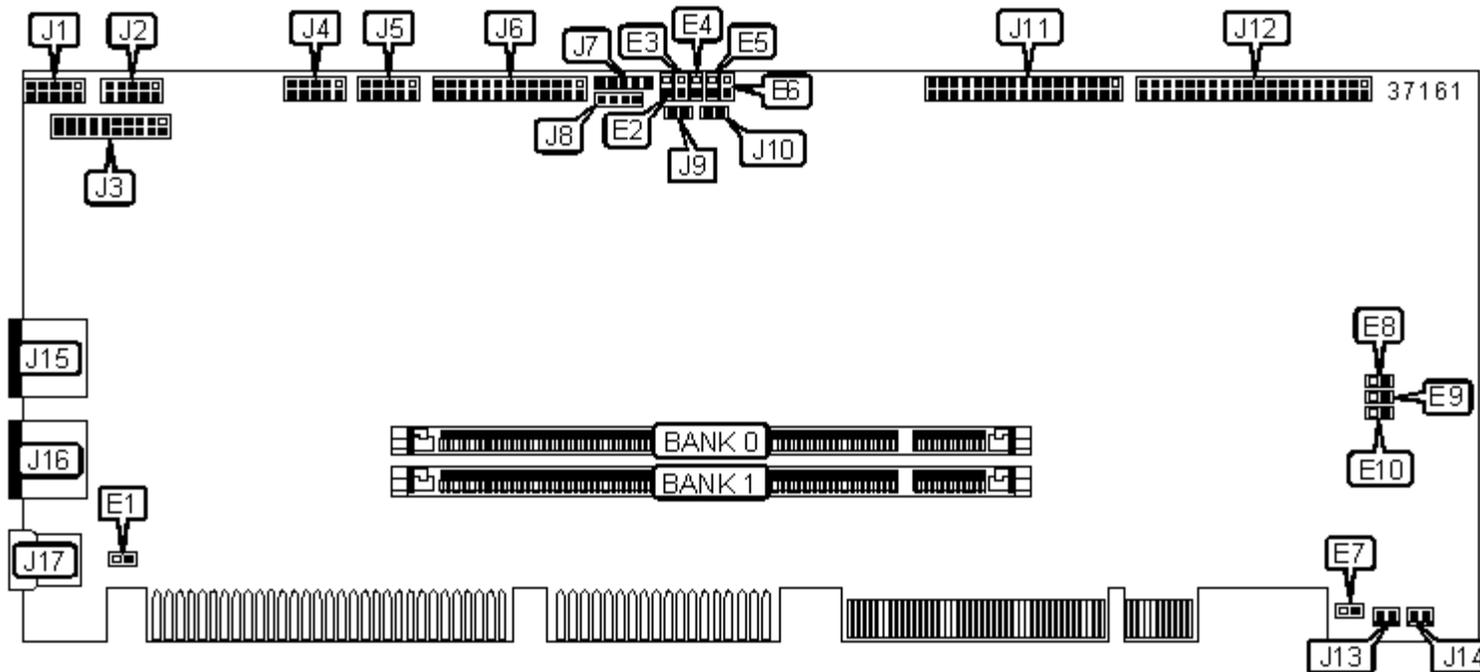


DIVERSIFIED TECHNOLOGY

LBC8521

Device Type	Single board computer
Processor	Pentium II (2)
Processor Speed	233/266/300/333MHz
Chip Set	Unidentified
Maximum Onboard Memory	512MB (EDO & SDRAM)
Cache	256/512KB (located on the CPU)
BIOS	Phoenix
Dimensions	338mm x 122mm
I/O Options	Floppy drive interface, IDE interface, keyboard interface, parallel interface, PS/2 keyboard port, PS/2 mouse port, serial interfaces (2), system monitor interface, system monitor serial interface, USB port
Data Bus	16-bit ISA/32-bit PCI



CONNECTIONS			
Purpose	Location	Purpose	Location
Internal keyboard interface	J1	IDE interface LED	J10
System monitor serial interface	J2	Floppy drive interface	J11
System monitor interface	J3	IDE interface	J12
Serial interface 1	J4	CPU fan power A	J13
Serial interface 2	J5	CPU fan power B	J14
Parallel interface	J6	PS/2 keyboard port	J15
Power LED & keylock	J7	PS/2 mouse port	J16
Speaker	J8	USB port	J17

Reset switch	J9	
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USER CONFIGURABLE SETTINGS

Function		Label	Position
»	Bracket is grounded	E1	Closed
	Bracket not grounded	E1	Open
»	System serial port mode DTE	E7	Closed
	System serial port mode DCE	E7	Open
»	Manufacturing test disabled	E8	Open
	Manufacturing test enabled	E8	Closed
»	VGA display type	E9	Closed
	Monochrome display type	E9	Open
»	Mouse interrupt IRQ12 enabled	E10	Closed
	Mouse interrupt IRQ12 disabled	E10	Open

DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
16MB	(1) 2M x 64	None
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64
32MB	(1) 4M x 64	None
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 4M x 64	(1) 4M x 64
64MB	(1) 8M x 64	None
72MB	(1) 8M x 64	(1) 1M x 64

80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 8M x 64	(1) 8M x 64
128MB	(1) 16M x 64	None
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
256MB	(1) 32M x 64	None
264MB	(1) 32M x 64	(1) 1M x 64
272MB	(1) 32M x 64	(1) 2M x 64
288MB	(1) 32M x 64	(1) 4M x 64
320MB	(1) 32M x 64	(1) 8M x 64
384MB	(1) 32M x 64	(1) 16M x 64
512MB	(1) 32M x 64	(1) 32M x 64
Note: Board supports EDO & SDRAM memory.		

CACHE CONFIGURATION

Note: 256/512KB cache is located on the Pentium II CPUs.

CPU SPEED SELECTION

CPU Speed	Bus Speed	E2	E3	E4	E5	E6
233MHz	66MHz	Open	Open	Closed	Closed	Open
266MHz	66MHz	Closed	Closed	Open	Closed	Open
300MHz	66MHz	Open	Closed	Open	Closed	Open
333MHz	66MHz	Closed	Open	Open	Closed	Open

MISCELLANEOUS TECHNICAL NOTES

Up to 4 32-bit PCI devices are supported. 16-bit ISA support is provided as well.