DIVERSIFIED TECHNOLOGY

LBC8522

Device Type	Single board computer
Processor	Pentium II (2)
Processor Speed	233/266/300/333/350/400MHz
Chip Set	Intel 440BX
Video Chip Set	S3
Maximum Onboard Memory	512MB (EDO & SDRAM)
Maximum Video Memory	2MB
Cache	256/512KB (located on the CPU)
BIOS	Phoenix
Dimensions	338mm x 122mm
I/O Options	Ethernet connector, floppy drive interface, IDE interface, keyboard/mouse interface, parallel interface, PS/2 keyboard port, PS/2 mouse port, serial interfaces (2), system monitor interface, system monitor serial interface, USB interface, VGA port
Data Bus	16-bit ISA/32-bit PCI
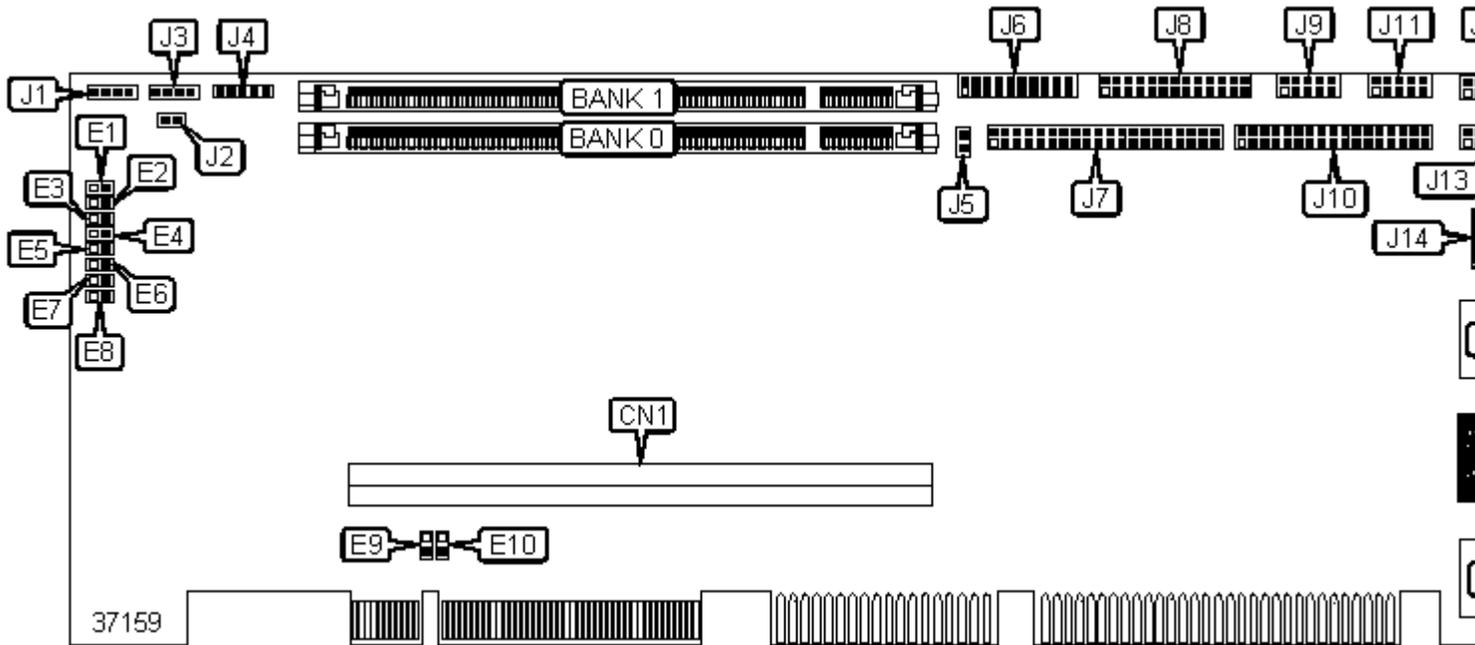
CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Processor mounting device connector	CN1	Serial interface 2	J9
USB interface	J1	Floppy drive interface	J10
Reset switch	J2	Serial interface 1	J11
Speaker	J3	Internal keyboard/mouse interface	J12
Power LED & keylock	J4	System monitor serial interface	J13
IDE interface LED	J5	RJ-45 UTP connector	J14
System monitor interface	J6	PS/2 keyboard port	J15

IDE interface	J7	PS/2 mouse port	J16
Parallel interface	J8	VGA port	J17

USER CONFIGURABLE SETTINGS		
Function	**Label**	**Position**
» AGP enabled	E5	Open
AGP disabled	E5	Closed
» VGA display type selected	E6	Open
Monochrome display type selected	E6	Closed
» Factory configured - do not alter	E7	Unidentified
» Mouse (IRQ 12) enabled	E8	Closed
Mouse (IRQ12) disabled	E8	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.
*Settings obtained only with EDO memory.

CACHE CONFIGURATION

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

CPU SPEED SELECTION

CPU Speed	Bus Speed	E1	E2	E3	E4
233MHz	66MHz	Open	Open	Closed	Closed
266MHz	66MHz	Closed	Closed	Open	Closed
300MHz	66MHz	Open	Closed	Open	Closed
333MHz	66MHz	Closed	Open	Open	Closed
350MHz	100MHz	Open	Open	Closed	Closed
400MHz	100MHz	Closed	Closed	Open	Closed

FAN STROBE MONITOR SELECTION

Setting	E9	E10

Enabled	Closed	Closed
Disabled	Open	Open

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