DIVERSIFIED TECHNOLOGY

LBC8716

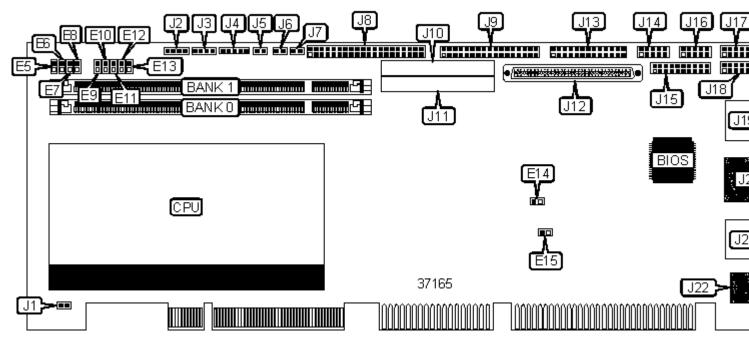|	
Device Type	Single Board Computer
Processor	Pentium III
Processor Speed	350/400/450/500/550MHz
Chip Set	Intel 440GX
Video Chip Set	Chips and Technology
Maximum Onboard Memory	1GB (SDRAM supported)
Maximum Video Memory	2MB
Cache	512KB (located on the Pentium III CPU)
BIOS	Phoenix
Dimensions	338mm x 107mm
I/O Options	Ethernet 10BaseT connector, Flat panel connectors (2), Floppy drive interface, IDE interface, Parallel interface, PS/2 keyboard port, PS/2 mouse port, Serial ports (2), System monitor interface, System monitor serial interface, USB interface, VGA port, Wide Ultra SCSI interface
Data Bus	16-bit ISA/32-bit PCI

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
CPU fan power	J1	Wide Ultra SCSI interface	J12
USB interface	J2	Parallel interface	J13
Speaker	J3	Serial interface	J14
Power LED & keylock	J4	System monitor interface	J15
SCSI interface LED	J5	Serial interface	J16
IDE interface LED	J6	Internal keyboard interface	J17
Reset switch	J7	System monitor serial interface	J18

IDE interface	J8	PS/2 keyboard port	J19
Floppy drive interface	J9	VGA port	J20
Flat panel connector A	J10	PS/2 mouse port	J21
Flat panel connector B	J11	RJ-45 UTP connector	J22

USER CONFIGURABLE SETTINGS			
Function		**Label**	**Position**
»	Onboard video enabled	E9	Closed
	Onboard video disabled	E9	Open
»	Manufacturing test mode disabled	E10	Open
	Manufacturing test mode enabled	E10	Closed
»	CPU fan strobe frees GPI input #8	E11	Open
	CPU fan strobe monitored by system monitor	E11	Closed
»	Termination enabled	E12	Open
	Termination disabled	E12	Closed
»	Bracket ground enabled	E13	Closed
	Bracket ground disabled	E13	Open
»	Ultra-SCSI transfer enabled	E14	Open
	Ultra-SCSI transfer disabled	E14	Closed
»	Mouse (IRQ 12) enabled	E15	Closed
	Mouse (IRQ12) disabled	E15	Open

DIMM CONFIGURATION		
Size	**Bank 0**	**Bank 1**
8MB	(1) 1M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 2M x 64	(1) 2M x 64

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
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
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
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
520MB	(1) 64M x 64	(1) 1M x 64
528MB	(1) 64M x 64	(1) 2M x 64
544MB	(1) 64M x 64	(1) 4M x 64
576MB	(1) 64M x 64	(1) 8M x 64
640MB	(1) 64M x 64	(1) 16M x 64
768MB	(1) 64M x 64	(1) 32M x 64
1024MB	(1) 64M x 64	(1) 64M x 64

Note: Board supports SDRAM memory.

CACHE CONFIGURATION

Note: 512KB cache is located on the Pentium III CPU.

FLAT PANEL RESOLUTION SELECTION					
Setting		**E5**	**E6**	**E7**	**E8**
	640 x 480 TFT	Closed	Closed	Open	Closed
»	800 x 600 TFT	Open	Open	Open	Closed
	1024 x 768 TFT	Closed	Open	Open	Closed
	1280 x 1024 TFT	Open	Closed	Closed	Closed
	640 x 480 DSTN	Closed	Open	Closed	Closed
	800 x 600 DSTN	Open	Open	Closed	Closed
	1024 x 768 DSTN	Closed	Closed	Closed	Closed
	1280 x 1024 DSTN	Open	Closed	Open	Open

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