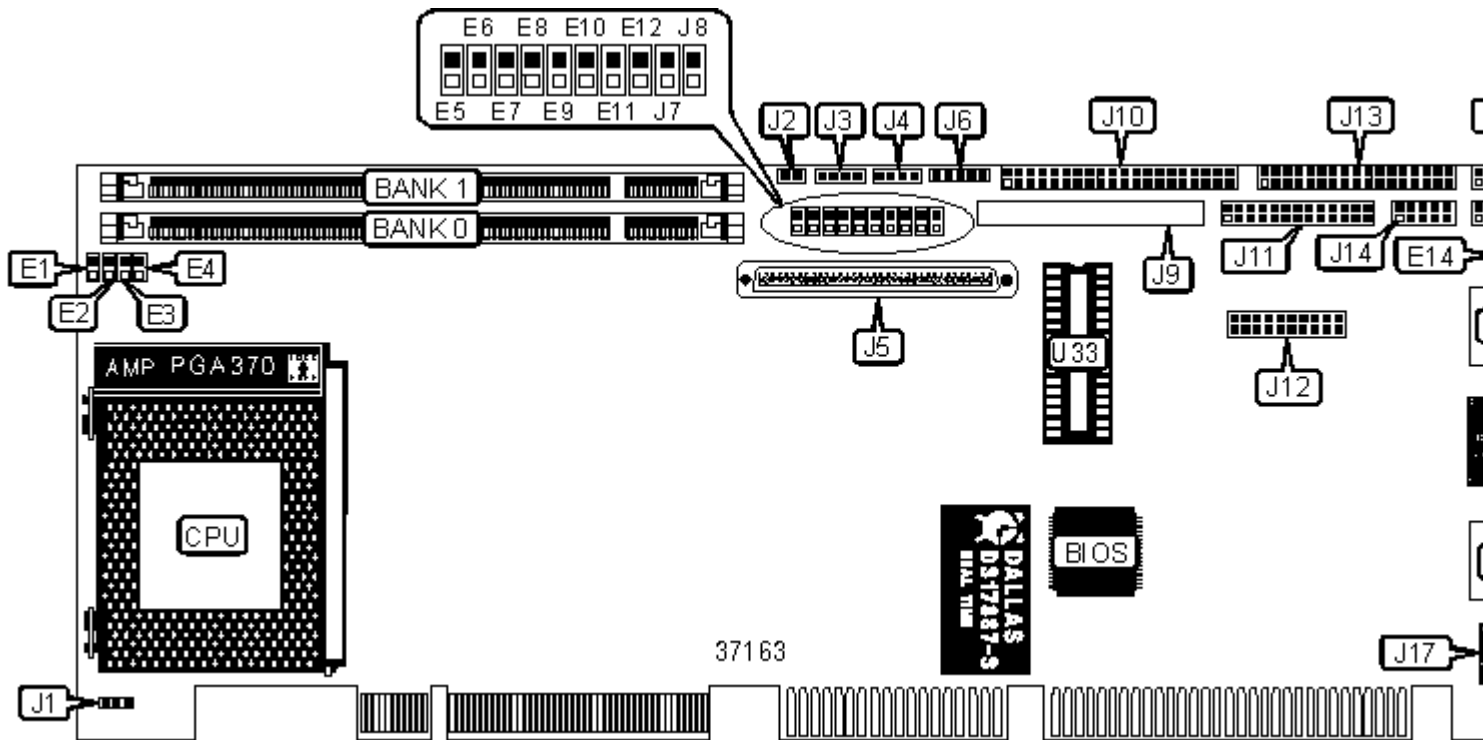


DIVERSIFIED TECHNOLOGY

LBC8540

Device Type	Single Board Computer
Processor	Celeron
Processor Speed	300/333/366/400/433/466MHz
Chip Set	Intel 440BX
Video Chip Set	Chips and Technology
Maximum Onboard Memory	512MB (SDRAM supported)
Maximum Video Memory	2MB
Cache	128KB (located on the Celeron CPU)
BIOS	Phoenix
Dimensions	338mm x 107mm
I/O Options	Ethernet 10BaseT connector, Flat panel connector, Flash disk socket, Floppy drive interface, IDE interface, Parallel interface, PS/2 keyboard port, PS/2 mouse port, Serial ports (2), System monitor 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	System monitor interface	J12
Reset switch	J2	Floppy drive interface	J13
Speaker	J3	Serial interface	J14
USB interface	J4	Internal keyboard interface	J15
Wide Ultra SCSI interface	J5	Serial interface	J16

Power LED & keylock	J6	RJ-45 UTP connector	J17
SCSI interface LED	J7	PS/2 keyboard port	J18
IDE interface LED	J8	VGA port	J19
Flat panel connector	J9	PS/2 mouse port	J20
IDE interface	J10	Flash disk socket	U33
Parallel interface	J11		

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CPU fan strobe monitored by system monitor	E5	Closed
	CPU fan strobe frees GPI input #4	E5	Open
»	Termination disabled	E10	Closed
	Termination enabled	E10	Open
»	Ultra-SCSI transfer enabled	E11	Open
	Ultra-SCSI transfer disabled	E11	Closed
»	Mouse (IRQ 12) enabled	E12	Closed
	Mouse (IRQ12) disabled	E12	Open
»	Onboard video enabled	E13	Closed
	Onboard video disabled	E13	Open
»	Manufacturing test mode disabled	E14	Open
	Manufacturing test mode enabled	E14	Closed
»	Bracket ground enabled	E15	Closed
	Bracket ground 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

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 SDRAM memory.

CACHE CONFIGURATION

Note: 128KB cache is located on the Celeron 300A and greater CPUs.

CPU SPEED SELECTION

	CPU Speed	Bus Speed	E1	E2	E3	E4
	300MHz	66MHz	Open	Closed	Open	Closed
	333MHz	66MHz	Closed	Open	Open	Closed
»	366MHz	66MHz	Open	Open	Open	Closed

FLAT PANEL RESOLUTION SELECTION

	Setting	E6	E7	E8	E9
»	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.