

PROLINEA DESKTOP FAMILY

System Boards	Assembly	Spare Part	System
386SX/25 Processor	002596	141667-001 ⁴	ProLinea 3/25zs ProLinea 3/25s
386SX/25 Processor	002903 ¹	143331-001 ⁴	ProLinea 3/25zs ProLinea 3/25s
486SX/25 Processor	002792 002888	143224-001 ⁴	ProLinea 4/25s
486SX/25 Processor	002888	143224-002 ^{4,5}	ProLinea 4/25s
486SX/25 Processor	003431 ⁵	160018-001	ProLinea 4/25s ProLinea CDS
486SX/25 Processor	003218 003431 ²	160172-001 ⁴	ProLinea CDS
486SX/33 Processor	003434 ³	160420-001	ProLinea 4/33s
486DX/33 Processor	002670 002894	143320-001 ⁴	ProLinea 4/33
486DX/33 Processor	003236 ²	160123-001 ⁴	ProLinea 4/33
486DX/33 Processor	003428 ³	160125-001	ProLinea 4/33
486DX2/50 Processor	002795 002891	146024-001 ⁴	ProLinea 4/50
486DX2/50 Processor	003233 ²	160072-001 ⁴	ProLinea 4/50
486DX2/50 Processor	003429 ³	160074-001	ProLinea 4/50
486DX2/66 Processor	003239 ²	160173-001 ⁴	ProLinea 4/66
486DX2/66 Processor	003430 ³	160178-001	ProLinea 4/66

¹ Compatible with backplane 141782-001 or 141783-001 (Revision C or later) only.

² Local bus system.

³ 4-MB RAM on system board plus Local Bus Graphics.

⁴ External battery is included in the spare part kit.

⁵ Not available in Europe.

Jumper Settings (386SX System Boards 002596 and 002903)

Jumper	Function	Pins*	Function
P1	Mouse	IN OUT	Enable Disable
P5	VGA	1,2 2,3	Enable Disable
P9	Battery	1,2 2,3 No Jumper	External Internal Clear Password
P12	External/Internal Speaker	1,2 2,3	Internal External

* Pin 1 on each jumper is the left pin when you are facing the I/O connectors.

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Jumper Settings

(486 System Board 002670, 002792, 002795, 002888, 002891, 002894)

Jumper	Function	Pins	Function	
P4	Monochrome Display	1,2 No jumper	Monochrome display Color monitor or VGA	
P5	I/O Select	No jumper 1,2	Address is 398h/399h Address is 25Eh/26Fh	
P6	Wait State Select	1,2 No jumper	0 wait state 1 wait state	
P7	EGA Emulation	No jumper	Do not emulate EGA	
P8	Speaker configuration	1,2 2,3	Internal speaker is present External speaker present	
P50, P51	On-Board Video	1,2 2,3	Disable Enable	
P52	Battery	1,2 2,3 No jumper	External Internal Clear Password (CMOS)	
		486SX	486DX/DX2	487SX/Overdrive
P1	CPU Selection	2, 3	1, 2	1, 2
P2	CPU Selection	1, 2	2, 3	2, 3
P3	CPU Selection	OPEN	1, 2	2, 3
P11	CPU Selection	2, 3	2, 3	2, 3

Jumper Settings

(486 System Board W/ Local Bus Video 003218, 003233, 003236, 003239)

Jumper	Function	Pins	Function		
P5	On-Board Video	1, 2 2, 3*	Disable Enable		
P6	On-Board Video	1, 2 2, 3*	Disable Enable		
P7	PGA Jumper Selection	1, 2* 2, 3	Using PQFP Processor Disable PQFP		
P8	Bus Speed Selection	1, 2 2, 3*	33 MHz Clock Speed 25 MHz Clock Speed		
P9	Processor Selection Jumper		See Table Below		
P10	Processor Selection Jumper		See Table Below		
P11	Processor Selection Jumper		See Table Below		
P12	Monochrome Display	1, 2 OFF*	Monochrome Monitor Color Monitor or VGA		
P13	I/O Select	OFF 1, 2	Address is 398h/399h Address is 26Eh/26Fh		
P14	CMOS Battery Source	1, 2 2, 3* OFF	External Battery Installed Internal Battery Installed Clear CMOS		
J4	Speaker Configuration	3, 4* OFF	Internal Speaker External Speaker		
		486SX (PGA)	486SX (PQFP)	486DX /DX2	487/Over-drive
P7	Use PQFP Proc		1, 2		
P7	Disable PQFP		2, 3		
P9	CPU Selection	2, 3	1, 2	1, 2	1, 2
P10	CPU Selection	1, 2	1, 2	2, 3	2, 3
P11	CPU Selection	3, 4	1, 2	1, 2	2, 3

* Default Setting

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Jumper Settings

(486 System Board With 4 Megabytes 003428, 003429, 003430, 003431, 003434)

Jumper	Function	Pins	Function
P5, P6	On-Board Video Select	1, 2 on both 2, 3 No jumpers	Enabled Disabled
P7	Microprocessor Select	1, 2 2, 3 No header	Nonsocketed Enabled Nonsocketed Disabled Socketed
P8	Speed Selection	1, 2 2, 3	33-MHz Processor Bus 25-MHz Processor Bus
P9 ^{1,2}	Processor Configuration	1, 2 2, 3	486DX/DX2, 486SX (Nonsocket), 487SX/OD 486SX Socketed
P10 ^{1,2}	Processor Configuration	1, 2 2, 3	486SX (Nonsocketed) & 486SX (Socketed) 486DX/DX2, 486SX/OD
P11 ²	Processor Configuration	1, 2 2, 3 3, 4	486DX/DX2 487SX/OD 486SX (Nonsocketed) & 486SX (Socketed)
P13	Configuration registers of super I/O chip	1, 2* No jumper	26Eh/26Fh 398h/399h
P14	Clear setup password	1, 2	Remove jumper for 10 seconds to clear setup

* Default Setting.

¹ Headers not installed on the 486/33 MHz models.

² Headers not installed on the 486/50 MHz models.

Configuration is set by the 0-ohm resistors.

PROLINEA DESKTOP FAMILY

System Board Identification

System Boards	Assembly	Serial Number	Notes*
386SX/25 Processor	002596	HCU/HCV	NLB, No BP, WD ⁰
386SX/25 Processor	002903	HCU/HCV	NLB, BP, WD ⁰
486SX/25 Processor	002792	HDU	NLB
486SX/25 Processor	002888	HDU	NLB
486SX/25 Processor	003218	pre-X334HEQ, HEP	LB, W32 ¹
486SX/25 Processor	003431-001	X334-X401HEQ, HEP	LB, 4MB, W32 ²
486SX/25 Processor	003431-002	X402HEQ & UP	LB, 4MB, W32 ²
486SX/33 Processor	003434-001	preX402HGN, HGP	LB, 4MB, W32I ²
486SX/33 Processor	003434-002	X402HGN, HGP & up	LB, 4MB, W32 ²
486SX/33 Processor	003651	HKA	LB, 4MB, W32I, PNI ³
486DX/33 Processor	002670	HCW	NLB ¹
	002894		
486DX/33 Processor	003236	pre-X334HES, HER	LB, W32 ¹
486DX/33 Processor	003428-001	X334-x401HES, HER	LB, 4MB, W32 ²
486DX/33 Processor	003428-002	X334-x402HES, HER & up	LB, 4MB, W32I ²
486SX2/50 Processor	003857	HKB	LB, 4MB, W32I, PNI ³
486DX2/50 Processor	002795	HDV	NLB ¹
	002891		
486DX2/50 Processor	003233	pre-X334HET, HEU	LB, W32 ¹
486DX2/50 Processor	003429-001	X334-X401HET, HEU	LB, 4MB, W32 ²
486DX2/50 Processor	003429-002	X402HET, HEU	LB, 4MB, W32I ²
486DX2/50 Processor	003759	HKC, HND	LB, 4MB, W32I, PNI ³
486DX2/66 Processor	003239	pre-X334HEV, HEW	LB, W32 ¹
486DX2/66 Processor	003430-001	X334-X402HEV, HEW	LB, 4MB, W32 ²
486DX2/66 Processor	003430-002	X402HEV, HEW	LB, 4MB, W32I ²
486DX2/66 Processor	003760-002	HKD, HNE	LB, 4MB, W32I, PNI ³
486DX4/100 Proc.	003761	HKE	

* NOTES:

LB/NLB	Local Bus/Non-local bus
BP	This PN ships with a backplane
4 MB	Systemboard has 4 MB soldered on
HEQ	CDS System
WD	Western Digital Video chipset. SP0443 for Windows support.
PNI	Processor Not Included
W32/W32I	Version of Tseng Labs Video chip. SP0678 for Windows support (both)
0	Upgradeable to 16 MB
1	Upgradeable to 32 MB
2	Upgradeable to 56 MB
3	Upgradeable to 100 MB

PROLINEA DESKTOP FAMILY

Microprocessors	Spare Part
486 DX2/50	194394-001
486DX2/66	194395-001

Memory	Assembly	Spare Part	System
1 MB Memory Module	141124-001	141750-001	386
1 MB Memory Module	118666-004	141752-001	486
2 MB Memory Module	118667-004	141753-001	486
4 MB Memory Module	141124-002	141751-001	386
4 MB Memory Module	137854-001	141754-001	486
8 MB Memory Module	137853-002	141755-001	486
	129041-002		
	136805-003		
16 MB Memory Module	137143-003	149947-001	486 with 4 MB memory on board

Controller Boards	Assembly	Spare Part	System
6260 SCSI-2 Controller *	004004	146993-001	Option
Ethernet 16TP Controller	003086	147220-001	Option
Token Ring	160782-001	142836-001	Option
Serial/Parallel Interface *	000990	106886-001	Option
Sound Board, PAS-16 *	160921-001	160919-001	ProLinea 4/25 CDS
Sound Board, SB-16 *	197492-001	197493-001	ProLinea 4/33 CDS
QVision 1024/I Controller *	002948	148866-001	
QVision 1280/I Controller *	002951	139182-001	
14.4K Data FAX Modem **	193052	193080-001	Option
9.6K Data/FAX Modem **	141605-001	141607-001	ProLinea 4/25s, CDS, 4/33, 4/33s, 4/50, 4/66
	197457-002		
SpeedPaq 144/I Data and Fax Modem **	003002	147453-001	Option

* See Volume 2 Appendix, Multiproduct Boards, for settings.

** See Volume 2 Appendix, Modem Configuration Information.

PROLINEA DESKTOP FAMILY

Miscellaneous Internal	Assembly	Spare Part	System
Backplane (2 slot)	002606	141782-001	ProLinea 3/25zs
Backplane (3 slot)	002927-002	141783-001	ProLinea 3/25s, 4/25, 4/33, 4/50
Backplane (4 slot)	002927-001 002690	143342-001	ProLinea 4/25s, 5/33, 4/33s, 4/50
Microphone		160940-001	Prolinea 4/25CDS

Hard Drives

Size	Type	Inter-leave	Inte-grated	Spare Part	System
40 MB	18	1:1	Y	141815-001	ProLinea 3/25zs
84 MB	27	1:1	Y	141814-001	ProLinea 3/25
120 MB	50	1:1	Y	143316-001	
200 MB	51	1:1	Y	160702-001	ProLinea 4/33s
210 MB	51	1:1	Y	124013-001	ProLinea 4/66
240 MB	1	1:1	Y	143332-001	
340 MB	63	1:1	Y	171923-001	

Diskette Drives	Spare Part	System
1.2 MB	141367-001	ProLinea 3/25s, 4/25s, 4/33, 4/50
1.2 MB *	141367-002	ProLinea 3/25s, 4/25s, 4/33, 4/33s, 4/50, 4/66
1.44 MB	141812-001	ProLinea 3/25zs
1.44 MB ** 2-Mode	141350-001	ProLinea 3/25s, 4/25s, 4/33s, 4/33, 4/50, 4/66
1.44 MB 3-Mode	147243-001	All 486

* Only required in products with a Revision A power supply.

** Requires MS-DOS Version 3.31 Revision A (or later) if installed as drive B, and MS-DOS Version 3.31 Revision B if installed as drive A.

Tape Drives	Spare Part	Tape Cartridge	Spare Part
60 MB (1/3 Height)*	112524-001	40 MB (DC2000)	108142-001
		60 MB (DC2060)	122086-001
80/120 MB (1/3 Height)*	131337-001	80 MB (DC2080)	116966-001
		120 MB (DC2120)	116967-001
80/120 MB (1/2 Height)*	122087-001	80 MB (DC2080)	116966-001
		120 MB (DC2120)	116967-001
120/250 MB (1/2 Height)*	197490-001	120 MB (DC2120)	116967-001

* With compression.

CD-ROM Drives	Spare Part	System
DualSpeed Internal	133881-001	Option
DualSpeed External	133882-001	Option
LMSI Drive	160917-001	ProLinea 4/25s, CDS
Tray Load, Internal	142223-001	ProLinea 4/33s, CDS
Tray Load, External	199430-001	Option

PROLINEA DESKTOP FAMILY

Cables	Used With	Spare Part	System
Hard Drive Cable	All Drives	141187-001	
Diskette Drive Cable	1.44 Diskette	141186-001	ProLinea 3/25s, 4/25s, 4/33, 4/33s, 4/50, 4/66
Diskette Drive Signal Cable	1.44 Diskette	143614-001	ProLinea 3/25zs
LED Cable		141819-001	ProLinea 3/25zs
LED Cable		141346-001	ProLinea 3/25s, 4/35s, 4/33, 4/50
CD-ROM Drive Signal Cable		160929-001	ProLinea 4/25s, CDS
CD-ROM Drive - Data	Tray Load	197842-001	ProLinea 4/33s, CDS
CD-ROM Drive - Audio	Tray Load	199493-001	ProLinea 4/33s, CDS
CD-ROM Audio		160927-001	Prolinea CDS
Power Cable, Drives		160745-001	

ROM Locations		
Board Assembly	System ROM Location	Video ROM Location
002596	U10	U11
002903	U10	U225
002670	U6	U34
002792	U6	U34
002795	U6	U34
002888	U6	U34
002891	U6	U34
002894	U6	U34
003218	U37	N/A *
003233	U37	N/A *
003236	U37	N/A *
003239	U37	N/A *
003428	U37	N/A *
003429	U37	N/A *
003430	U37	N/A *
003431	U37	N/A *
003434	U37	N/A *

* Local bus systems do not support a separate video ROM.

ROM Information			
ROM Type	Spare Part	Rev	Board Assembly
System	143613-001	102192	002596, 002903
System	143616-001	022593	002670, 002894
System	143223-001	020993	002792, 002888, 002795, 002891
Video	143612-001	070992	002596
Video	143615-001	110692	002792, 002888, 002670, 002894, 002795, 002891
System/Video	160026-001*	070393	003218, 003233, 003236, 003239
System/Video	160192-001	061394	003431, 003434, 003428, 003429, 003430

* Local bus systems do not support a separate video ROM.

PROLINEA DESKTOP FAMILY

Processor/Coprocessor	Location
Processor (386SX/25)	U35
Coprocessor (387SX-25)	U44

Power Supply/Battery	Spare Part	System
Power Supply	141779-001	ProLinea 3/25zs
Power Supply (220 VAC)	141337-001	ProLinea 3/25s, 4/25s, CDS 4/25, CDS 4/25s, 4/33, 4/33s, 4/50, 4/66
Power Supply (115 VAC)	137633-001	ProLinea 3/25s, 4/25s, CDS 4/25s, 4/33*, 4/33s, 4/50*, 4/66*
Clock/Battery ** (4.5 V, 600 mA)	160274-001	Used on all 386-based ProLineas, and 486-based ProLineas with serial numbers of x242 or higher.
Clock/Battery (3.3V) **	160273-001	ProLinea 4/25s, 4/33, and 4/50 with serial numbers of x241 or lower.

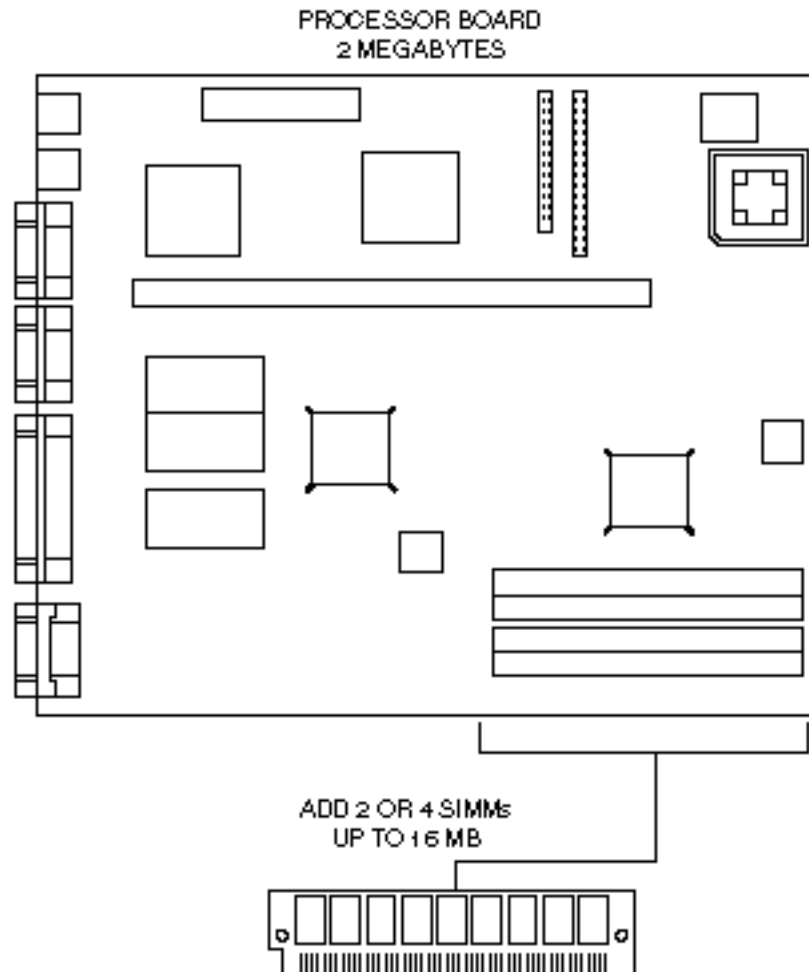
* Assembly Number 003428, 003429, and 003430.

** When installing this clock battery spare kit, original battery must be disabled.
See MSG or User Guide.

PROLINEA DESKTOP FAMILY

Memory Upgrade Chart

PROLINEA 3/25ZS AND PROLINEA 3/25S



2-MB MEMORY MODULE KIT*
(TWO 1-MB SIMMS)
OPTION P/N 141 738-001

8-MB MEMORY MODULE KIT*
(TWO 4-MB SIMMS)
OPTION P/N 141 742-001

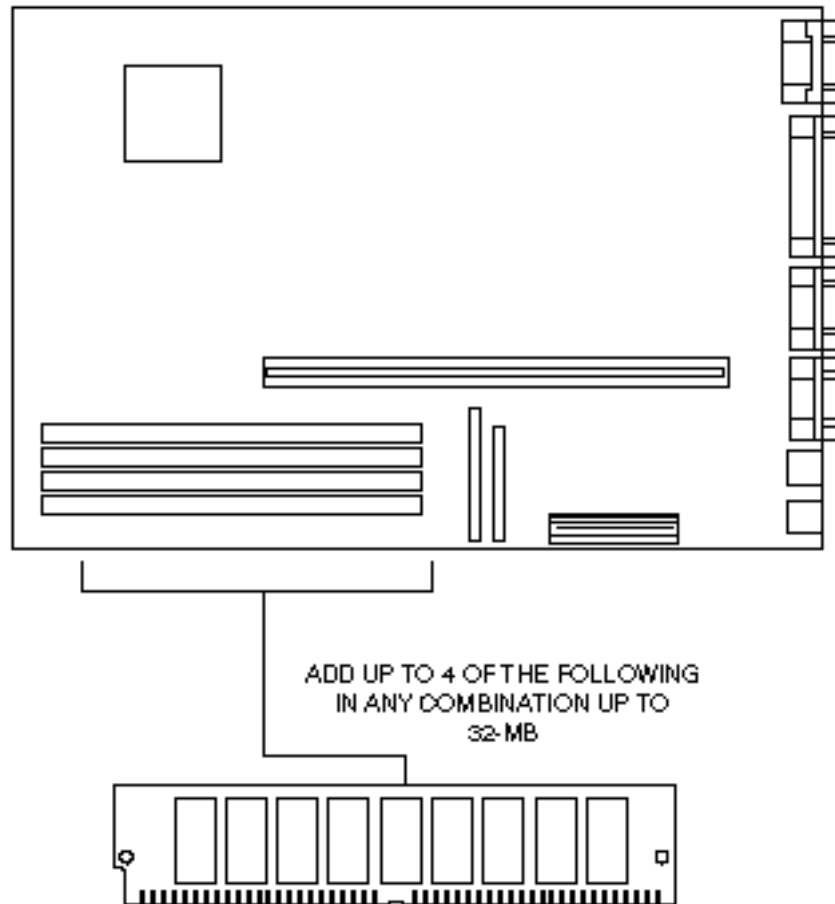
*SIMMs must be added in like pairs

PROLINEA DESKTOP FAMILY

Memory Upgrade Chart

PROLINEA 486 FAMILIES

PROCESSOR BOARD (002792, 002888, 003218, 002670,
002894, 003235, 002795, 002891, 003233, 003239)
4 MEGABYTES



1-MB MEMORY MODULE
SPARE PN 141752-001

2-MB MEMORY MODULE
OPTION PN 141683-001

4-MB MEMORY MODULE
OPTION PN 141684-001

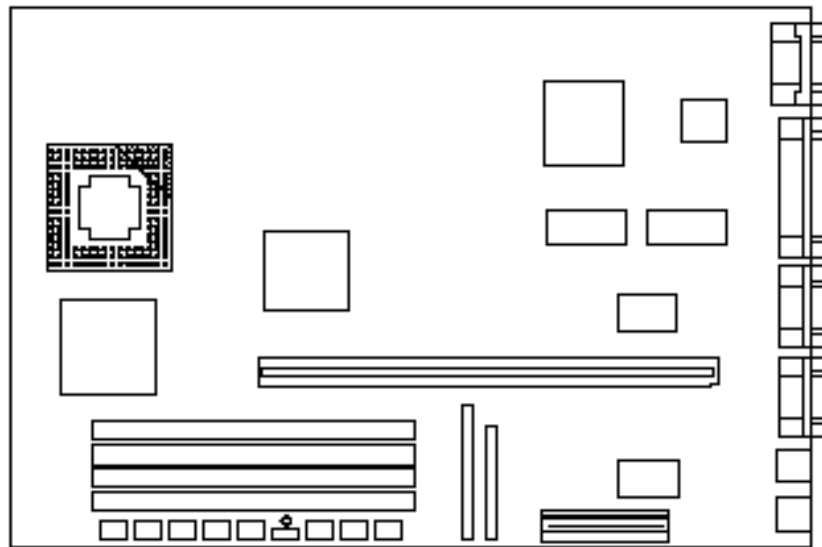
8-MB MEMORY MODULE
OPTION PN 141685-001

PROLINEA DESKTOP FAMILY

Memory Upgrade Chart

PROLINEA 486 WITH 4 MB MEMORY ON SYSTEM BOARD

PROCESSOR BOARD
(003428, 003429, 003430, 003431, 003434, 003857)
4 MEGABYTES



WHEN UPGRADING MEMORY, U-38 SIMM
SOCKET MUST CONTAIN A COMPAQ APPROVED 4 MB
70ns SIMM OR THE SYSTEM WILL NOT RECOGNIZE THE
MEMORY. THE OTHER 3 SOCKETS WILL ACCEPT INDUSTRY
STANDARD 1 MB TO 16 MB 70ns SIMMS.

MAXIMUM MEMORY 66 MB



1-MB MEMORY MODULE
OPTION P/N 141682-001

2-MB MEMORY MODULE
OPTION P/N 141683-001

4-MB MEMORY MODULE
OPTION P/N 141684-001

8-MB MEMORY MODULE
OPTION P/N 141685-001

16-MB MEMORY MODULE
OPTION P/N 190747-001