

The following pages were
extracted from the:

*COMPAQ SERVICE
QUICK REFERENCE GUIDE*

PORT/PLUS

COMPAQ PORTABLE/COMPAQ PLUS

BOARD COMPATIBILITY LIST

Product	Assy No.	Spare Part No.	Page
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SYSTEM BOARDS

8068 System	000004/000383	100478-001	27
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MEMORY CHIPS

64 X 1 (150 ns) DRAM	105152-001	X
64 X 4 (150 ns) DRAM	106330-001	X
256 X 1 (150 ns) DRAM	105151-001	X

CONTROLLER BOARDS

Diskette/Printer	000010	100480-001	X
Diskette/Printer	000043	101341-001	X
Diskette/Printer	000181-011	101341-001	A-2
Fixed Disk Cntrl*	100637	100644-001	X

*COMPAQ PLUS only

VIDEO BOARDS

Enh Color Graphics*	000410	106373-001	A-5
Enh Color Graphics*	000471	109196-001	A-5
VDU	000007	100479-001	28
VDU	000031/000160/ 000345	101340-001	A-5
VDU	000525	101340-001	A-7

* Requires minimum system ROM G or later

MISCELLANEOUS

Async Serial	000018	101095-001	26
Async Comm/Clock	000061	101440-001	A-8
Serial/Parallel Interface	000570	106886-001	A-8
Serial/Parallel Interface	000990	106886-001	A-9

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FIXED DISK DRIVE

Drive Size	Drive Type	Inter-leave	Inte-grated	Min ROM	Spare Part No.	Controller Assy No.
10 MB*	1	3:1	N	C	100643-001	100637

* Drive type set by switch settings on the fixed disk drive controller board, or by hard wiring on the drive itself, depending on the fixed disk drive controller board.

DISKETTE DRIVE

Size	Spare Part No.
360 KB	101421-001

CABLE INFORMATION

Cable Function	Used With	Spare Part No.
FDD Cable Set	10-MB FDD	100841-001
FDD Signal	10-MB FDD	101601-001 34 Pin
FDD Signal	10-MB FDD	101601-002 20 Pin
Diskette Cable*	Single Drive	100048-002
Diskette Cable*	Dual Drives	100048-004
VDU Signal*	Display	100047-001
Cable Set	Diskette/Display	100512-001

*Included in Cable Kit (PN 100512-001)

BOARD JUMPER/SWITCH SETTINGS

ASYNCHRONOUS SERIAL BOARD (000016)

Jumper	Pin 1 to Pin 2	Pin 2 to Pin 3
J702*	COM2 Address (2FX)	COM1 Address (3FX)
J703*	IRQ3	IRQ4
Shunt	Status	
U11	Pins 5 to 12, 6 to 11, 7 to 10, 8 to 9 connected Serial RS-232C operation	
	Pins 1 to 16, 2 to 15, 3 to 14, 4 to 13 connected 20-mA current loop operation	

*Jumpers J702 & J703 must be changed together

VIDEO DISPLAY CONTROLLER BOARD (000007)

Jumper	Pin 1 to Pin 2	Pin 2 to Pin 3
E4	For monitor requiring negative horizontal sync pulse	For monitor requiring positive horizontal sync pulse (default)
E5	For monitor requiring positive vertical sync pulse (default)	For monitor requiring negative vertical sync pulse

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BOARD JUMPER/SWITCH SETTINGS

SYSTEM BOARD (000004 & 000383)
SW1 Settings

1	2	3	4	5	6	7	8	Function
OFF								Reserved (always off)
	ON**							Coprocessor not installed
	OFF							Coprocessor Installed
		OFF	OFF					Reserved (always off)
				OFF	ON			40 X 25 COMPAQ VDU* primary. 3rd-party mono- chrome secondary
				ON**	OFF**			80 X 25 COMPAQ VDU primary. 3rd-party mono- chrome secondary
				ON	ON			COMPAQ EGA, compat- ible EGA, RGBI primary. 3rd-party monochrome secondary
				OFF	OFF			3rd-party monochrome (MDA only) - primary. RGBI - secondary
						ON**	ON**	One diskette drive
						OFF	ON	Two diskette drives
						ON	OFF	Three diskette drives
						OFF	OFF	Four diskette drives

*Applicable with a Rev F or later system ROM

** Default

SW2 Settings***

1	2	3	4	5	6	7	8	Function
ON	OFF	ON	ON	OFF	OFF	OFF	OFF	128 KB total memory
ON	ON	OFF	ON	OFF	OFF	OFF	OFF	192 KB total memory
ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	256 KB total memory
ON	ON	ON	OFF	OFF	OFF	OFF	OFF	320 KB total memory
ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	384 KB total memory
ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	448 KB total memory
ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	512 KB total memory
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	544 KB total memory

***With a Rev C or later system ROM, SW2 is ignored. Rev C ROM is required to reach 640 KB

PORT/PLUS

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PROCESSOR/COPROCESSOR LOCATIONS

Processor (8088)	Coprocessor (8087)
U24 (4.77 MHz)	U13

SYSTEM ROM INFORMATION

SYSTEM ROM LOCATIONS

ROM Location	System Board	ROMs Required
U40 & U47	000004 Rev B	Need 2 ROMs
U40	000004 Rev C or later	Need 1 Rev C or later
U40	000383 All Rev	Need 1 Rev C or later

SYSTEM ROM REVISIONS (Spare Part No. 100699-001)

Rev	PN on ROM
B	100518-001
C	100666-001
E	100298-004
F	100298-005
G	105681-001
H	106265-001
J	106265-002

MEMORY ADDRESS DECODER PROM (For 000004 & 000383 System Boards)

PROM Location	Memory	PN on Chip	Spare PN
U35	256K	100340-001	N/A
U35	448K	101255-001	105417-001
U35	640K	101257-001	105416-001

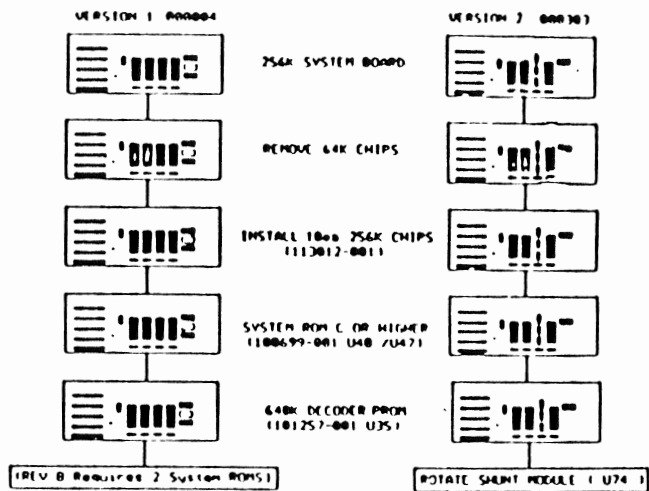
POWER SUPPLY

Spare Part No. 100475-001

Assy No. 000001-001

BATTERY

Spare Part No. 101260-001 (Mounted on Async Comm/Clock Board)



COMPAQ PORTABLE MEMORY UPGRADE CHART