

APPENDIX Q

SECTOR 0 Volume Information Block VIB

ADDRESS CONTENTS

ADDRESS	CONTENTS
0000-0009	Disk name-up to 10 characters
000A-000B	Total number of sectors on disk
	total type sec/trk trks bytes
>0168	360 SS/SD 9(>09) 40 92160
>0280	640 SS/DD 16(>10) 40 163840
>02D0	720 SS/DD 18(>12) 40 184320
>02D0	720 DS/SD 9(>09) 40 184320
>0500	1280 DS/DD 16(>10) 40 327680
>05A0	1440 DS/DD 18(>12) 40 368640
>05A0	1440 SS/DD 18(>12) 80 368640
>0A00	2560 DS/QD 16(>10) 80 655360
>0B40	2880 DS/QD 18(>12) 80 737280
>1680	5760 HiDen 36(>24) 80 1474560
000C	Number of sectors/track (see_above)
000D-000F	DSK (>44534B)
0010	>50 = Disk protected >20 = Not protected
0011	Number of tracks >28=40 >50=80
0012-0013	Number of sides/density
>0101	SS/SD >0202 DS/DD
>0102	SS/DD >0202 DS/QD
>0201	DS/SD >0203 DS/HD
0014-001D	1st Sub Directory Filename
001E-001F	Directory link for File Descriptor Records of 1st SubDir
0020-0029	2nd Sub Directory Filename
002A-002B	Directory link for File Descriptor Records of 2nd SubDir
002C-0035	3rd Sub Directory Filename
0036-0037	Directory link for File Descriptor Records of 3rd Sub Dir
0038-00EB	Sector allocation bit map (AU) This is a sector by sector bit map of sector use 1=used 0=available. The first byte at >38 is for sectors 0 through 7(a fresh formatted DD or less with no subdirectories will have >03 which equals 0000 0011 or 2 sectors used—read right to left—sector 0 and sector 1), next byte is for sectors 8 through 15, and so on. For QD each bit equals 2 sectors, HiDen equals 4 sectors.

See
NOTE 1
below

NOTE 1

It is highly recommended that you create sub directory prior to placing files on a disk because MDOS uses the next available sector to create the directory link to the file descriptor records, which would place the sub directories directory link at sector 2, 3, 4 and may make it possible for recovery of files easier in case the disk crashes.

SECTOR 1 Directory link

Each 16-bit word lists the sector number of the File Descriptor Record for an allocated file, in alphabetical order of the filenames. Each Subdirectory will have a sector identified as its directory link and will be structured the same as sector 1.