

Quelle: SymbTab_1

;*** Allgemeine Labels.

:NULL = \$00
:FALSE = \$00
:TRUE = \$ff
:TRUE_C64 = \$8000
:TRUE_C128 = \$f000
:USELAST = \$7f

;*** Startadressen der Ladeprogramme.

:SIZE_REBOOT = \$0500 ;max. size of reboot-code.
:BASE_AUTO_BOOT = \$5000 ;startadress autoboot-code.
:SIZE_AUTO_BOOT = \$0500 ;max. size of autoboot-code.

;2. Teil in SymTab64 bzw. SymbTab128 !

;*** ":dispBufferOn" definieren.

:ST_WRG5_FORE = %00100000
:ST_WR_BACK = %01000000
:ST_WR_FORE = %10000000

;*** ":iconSelFlag" definieren.

:ST_FLASH = %10000000
:ST_INVERT = %01000000

;*** Modi für Dialogbox.

:OK = \$01
:CANCEL = \$02
:YES = \$03
:NO = \$04
:OPEN = \$05
:DISK = \$06
:DRIVE = \$07 ;Durch !DBSETDRVICON ersetzt.
:DUMMY = \$08
:DBUSRFILES = \$09
:DBSETCOL = \$0a
:DBTXTSTR = \$0b
:DBVARSTR = \$0c
:DBGETSTRING = \$0d
:DBSYSOPV = \$0e
:DBGRPHSTR = \$0f
:DBGETFILES = \$10
:DBOPVEC = \$11
:DBUSRICON = \$12
:DB_USR_ROUT = \$13
:DBSETDRVICON = %01000000
:DBSELECTPART = %10000000

;* Kernal-Vektoren.**

:irqvec = **\$0314**
:bkvec = **\$0316**
:nmivec = **\$0318**
:kernalVectors = **\$031a**

;* Speicherbelegung.**

:APP_RAM = **\$0400** ;start of application space
:BACK_SCR_BASE = **\$6000** ;base of background screen
:PRINTBASE = **\$7900** ;load address for print drivers
:APP_VAR = **\$7f40** ;application variable space
:OS_VARS = **\$8000** ;OS variable base
:SPRITE_PICS = **\$8a00** ;base of sprite pictures
:COLOR_MATRIX = **\$8c00** ;video color matrix
:DISK_BASE = **\$9000** ;disk driver base address
:DISK_DRIVER_SIZE = **\$0d80** ;disk driver max. size
:SCREEN_BASE = **\$a000** ;base of foreground screen
:OS_ROM = **\$c000** ;start of OS code space
:MP_JUMPTAB = **\$c0df**
:OS_JUMPTAB = **\$c100** ;start of GEOS jump table
:vicbase = **\$d000** ;video interface chip base address.
:sidbase = **\$d400** ;sound interface device base address.
:ctab = **\$d800**
:cia1base = **\$dc00** ;1st communications interface adaptor (CIA).
:cia2base = **\$dd00** ;second CIA chip
:EXP_BASE = **\$df00** ;Base address of RAM expansion unit #1 & 2
:EXP_BASE1 = **\$df00** ;Base address of RAM expansion unit #1
:EXP_BASE2 = **\$de00** ;Base address of RAM expansion unit #2

;* Kernal-Vektoren.**

:zpage = **\$0000**
:CPU_DDR = **\$0000**
:CPU_DATA = **\$0001**

;* Frei definierbare Register.**

:r0L = **\$02**
:r0H = **\$03**
:r0 = **\$0002**
:r1L = **\$04**
:r1H = **\$05**
:r1 = **\$0004**
:r2L = **\$06**
:r2H = **\$07**
:r2 = **\$0006**
:r3L = **\$08**
:r3H = **\$09**
:r3 = **\$0008**

r4L	=	\$0a
r4H	=	\$0b
r4	=	\$000a
r5L	=	\$0c
r5H	=	\$0d
r5	=	\$000c
r6L	=	\$0e
r6H	=	\$0f
r6	=	\$000e
r7L	=	\$10
r7H	=	\$11
r7	=	\$0010
r8L	=	\$12
r8H	=	\$13
r8	=	\$0012
r9L	=	\$14
r9H	=	\$15
r9	=	\$0014
r10L	=	\$16
r10H	=	\$17
r10	=	\$0016
r11L	=	\$18
r11H	=	\$19
r11	=	\$0018
r12L	=	\$1a
r12H	=	\$1b
r12	=	\$001a
r13L	=	\$1c
r13H	=	\$1d
r13	=	\$001c
r14L	=	\$1e
r14H	=	\$1f
r14	=	\$001e
r15L	=	\$20
r15H	=	\$21
r15	=	\$0020

;*** Systemvariablen.

:curPattern	=	\$0022	;	1 Word
:string	=	\$0024	;	1 Word
:baselineOffset	=	\$0026	;	1 Byte
:curSetWidth	=	\$0027	;	1 Word
:curSetHight	=	\$0029	;	1 Byte
:curlOffsetTable	=	\$002a	;	1 Word
:cardDataPntr	=	\$002c	;	1 Word
:currentMode	=	\$002e	;	1 Byte

```

:dispBufferOn      = $002f      ; 1 Byte  %1xxxxxxx = Vordergrund.
                                   ;          %x1xxxxxx = Hintergrund.
                                   ;          %xx1xxxxx = Wert nicht ändern.
                                   ;          (Für Dialogbox nötig)

:mouseOn           = $0030      ; 1 Byte
:mousePicPtr       = $0031      ; 1 Word
>windowTop          = $0033      ; 1 Byte
>windowBottom      = $0034      ; 1 Byte
:leftMargin         = $0035      ; 1 Word
:rightMargin        = $0037      ; 1 Word
:pressFlag         = $0039      ; 1 Byte
:mouseXPos          = $003a      ; 1 Word
:mouseYPos          = $003c      ; 1 Byte
:returnAddress      = $003d      ; 1 Word

```

```

:STATUS            = $0090      ; 1 Byte

```

```

:curDevice          = $00ba      ; 1 Byte

```

*** Variablen im Bereich \$8000-\$87FF.

```

:diskBlkBuf         = $8000      ; 256 Byte
:fileHeader         = $8100      ; 256 Byte
:curDirHead         = $8200      ; 256 Byte
:fileTrScTab        = $8300      ; 256 Byte
:dirEntryBuf        = $8400      ; 30 Byte
:DrACurDkNm         = $841e      ; 18 Byte
:DrBCurDkNm         = $8430      ; 18 Byte
:dataFileName       = $8442      ; 17 Byte
:dataDiskName       = $8453      ; 17 Byte
:PrntFileName       = $8465      ; 17 Byte
:PrntDiskName       = $8476      ; 17 Byte
:curDrive           = $8489      ; 1 Byte
:diskOpenFlg       = $848a      ; 1 Byte
:isGEOS             = $848b      ; 1 Byte
:interleave         = $848c      ; 1 Byte
:numDrives          = $848d      ; 1 Byte
:driveType          = $848e      ; 4 Byte
:turboFlags         = $8492      ; 4 Byte
:curRecord          = $8496      ; 1 Byte
:usedRecords        = $8497      ; 1 Byte
:fileWritten        = $8498      ; 1 Byte
:fileSize           = $8499      ; 1 Word
:appMain            = $849b      ; 1 Word
:intTopVector        = $849d      ; 1 Word
:intBotVector        = $849f      ; 1 Word
:mouseVector         = $84a1      ; 1 Word
:keyVector           = $84a3      ; 1 Word
:inputVector         = $84a5      ; 1 Word

```

:mouseFaultVec	= \$84a7	; 1 Word
:otherPressVec	= \$84a9	; 1 Word
:StringFaultVec	= \$84ab	; 1 Word
:alarmTmtVector	= \$84ad	; 1 Word
:BRKVector	= \$84af	; 1 Word
:RecoverVector	= \$84b1	; 1 Word
:selectionFlash	= \$84b3	; 1 Byte
:alphaFlag	= \$84b4	; 1 Byte
:iconSelFlag	= \$84b5	; 1 Byte
:faultData	= \$84b6	; 1 Byte
:menuNumber	= \$84b7	; 1 Byte
:mouseTop	= \$84b8	; 1 Byte
:mouseBottom	= \$84b9	; 1 Byte
:mouseLeft	= \$84ba	; 1 Word
:mouseRight	= \$84bc	; 1 Word
:stringX	= \$84be	; 1 Word
:stringY	= \$84c0	; 1 Byte
:mousePicData	= \$84c1	; 64 Byte
:maxMouseSpeed	= \$8501	; 1 Byte
:minMouseSpeed	= \$8502	; 1 Byte
:mouseAccel	= \$8503	; 1 Byte
:keyData	= \$8504	; 1 Byte
:mouseData	= \$8505	; 1 Byte
:inputData	= \$8506	; 1 Byte
:random	= \$850a	; 1 Word
:saveFontTab	= \$850c	; 9 Byte
:dblClickCount	= \$8515	; 1 Byte
:year	= \$8516	; 1 Byte
:month	= \$8517	; 1 Byte
:day	= \$8518	; 1 Byte
:hour	= \$8519	; 1 Byte
:minutes	= \$851a	; 1 Byte
:seconds	= \$851b	; 1 Byte
:alarmSetFlag	= \$851c	; 1 Byte
:sysDBData	= \$851d	; 1 Byte
:screenColors	= \$851e	; 1 Byte
:dlgBoxRamBuf	= \$851f	; 417 Byte

;weiter in der entsprechenden SymbTab64 oder SymbTab128

;* Einsprungadressen innerhalb Laufwerkstreiber.**

:Get1stDirEntry	=	\$9030	
:GetNxtDirEntry	=	\$9033	
:GetBlock_dskBuf	=	\$903c	
:PutBlock_dskBuf	=	\$903f	
:AllocateBlock	=	\$9048	
:ReadLink	=	\$904b	
:DiskDrvType	=	\$904e	
:DiskDrvVersion	=	\$904f	
:OpenRootDir	=	\$9050	
:OpenSubDir	=	\$9053	
:GetBAMBlock	=	\$9056	
:PutBAMBlock	=	\$9059	
:GetPDirEntry	=	\$905c	
:ReadPDirEntry	=	\$905f	
:OpenPartition	=	\$9062	
:SwapPartition	=	\$9065	
:GetPTypeData	=	\$9068	
:SendCommand	=	\$906b	
:DiskDrvTypeCode	=	\$906e	;"MPDD3"

;* Variablen im Bereich \$D000-\$DFFF**

:mob0xpos	=	\$d000
:mob0ypos	=	\$d001
:mob1xpos	=	\$d002
:mob1ypos	=	\$d003
:mob2xpos	=	\$d004
:mob2ypos	=	\$d005
:mob3xpos	=	\$d006
:mob3ypos	=	\$d007
:mob4xpos	=	\$d008
:mob4ypos	=	\$d009
:mob5xpos	=	\$d00a
:mob5ypos	=	\$d00b
:mob6xpos	=	\$d00c
:mob6ypos	=	\$d00d
:mob7xpos	=	\$d00e
:mob7ypos	=	\$d00f
:msbxpos	=	\$d010
:grcntrl1	=	\$d011
:rasreg	=	\$d012
:lp xpos	=	\$d013
:lp ypos	=	\$d014
:mobenble	=	\$d015
:grcntrl2	=	\$d016

```
:moby2          = $d017
:grmemptr       = $d018
:grirq          = $d019
:grirqen        = $d01a
:mobprior       = $d01b
:mobmcm         = $d01c
:mobx2          = $d01d
:mobmobcol      = $d01e
:mobbakcol      = $d01f
:extclr        = $d020
:bakclr0        = $d021
:mcmclr0        = $d025
:mcmclr1        = $d026
:mob0clr        = $d027
:mob1clr        = $d028
:mob2clr        = $d029
:mob3clr        = $d02a
:mob4clr        = $d02b
:mob5clr        = $d02c
:mob6clr        = $d02d
:mob7clr        = $d02e
:import        = $dc01
:mpddr         = $dc03
```

;*** Startadressen Installationsroutinen.

```
:SIZE_DDRV_INIT      = $1000
:SIZE_DDRV_DATA      = $0d80
:BASE_DDRV_INIT       = APP_RAM
:BASE_DDRV_DATA       = BASE_DDRV_INIT + SIZE_DDRV_INIT
:BASE_EDITOR_DATA     = BASE_DDRV_DATA + SIZE_DDRV_DATA
:SIZE_EDITOR_DATA     = 256 +256 +64 +64*2 +64*17
:BASE_EDITOR_MAIN     = BASE_EDITOR_DATA + SIZE_EDITOR_DATA
```

;*** Sprungtabelle für Installationsroutine.

```
:DDrv_TestMode       = BASE_DDRV_INIT +0
:DDrv_Install         = BASE_DDRV_INIT +3
:DDrv_Deinstall       = BASE_DDRV_INIT +6
```

;*** Variablen die den Inhalt der ersten Speicherbank bestimmen.

:R1_SIZE_MOVEDATA	= \$7900	;MoveData-Transfer-Bereich.
:R1_SIZE_SYS_VAR1	= \$0500	;Kernal-Variablen.
:R1_SIZE_REBOOT	= \$0500	;ReBoot-Routine.
:R1_SIZE_DSKDEV_A	= \$0d80	;Laufwerkstreiber A:
:R1_SIZE_DSKDEV_B	= \$0d80	;Laufwerkstreiber B:
:R1_SIZE_DSKDEV_C	= \$0d80	;Laufwerkstreiber C:
:R1_SIZE_DSKDEV_D	= \$0d80	;Laufwerkstreiber D:
:R1_SIZE_SYS_PRG1	= \$0280	;Kernal \$9D80-\$9FFF
:R1_SIZE_SYS_PRG2	= \$10c0	;Kernal \$BF40-\$CFFF
:R1_SIZE_SYS_PRG3	= \$3000	;Kernal \$D000-\$DFFF
:R1_SIZE_RBOOTMSE	= \$003f	;Aktuelles Mauszeiger-Icon.
:R1_SIZE_SYS_BBG1	= \$0100	;DoRAMOp-Zusatz für BBGRAM.
:R1_SIZE_SYS_BBG2	= \$0100	;DoRAMOp-Zusatz für BBGRAM.

:R1_ADDR_MOVEDATA	= \$0000
:R1_ADDR_SYS_VAR1	= \$7900
:R1_ADDR_REBOOT	= \$7e00
:R1_ADDR_DSKDEV_A	= \$8300
:R1_ADDR_DSKDEV_B	= \$9080
:R1_ADDR_DSKDEV_C	= \$9e00
:R1_ADDR_DSKDEV_D	= \$ab80
:R1_ADDR_SYS_PRG1	= \$b900
:R1_ADDR_SYS_PRG2	= \$bb80
:R1_ADDR_SYS_PRG3	= \$cc40
:R1_ADDR_RBOOTMSE	= \$fc40
:R1_ADDR_SYS_BBG1	= \$fe00
:R1_ADDR_SYS_BBG2	= \$ff00

;*** Variablen die den Inhalt der zweiten (MP)-Speicherbank bestimmen.

; Für diese Routinen existiert ein Einsprung in der System-Sprungtabelle.

:R2_SIZE_REGISTER	= \$0c00	;Registermenü-Routine.
:R2_SIZE_ENTER_DT	= \$0200	;EnterDeskTop-Routine.
:R2_SIZE_PANIC	= \$0100	;Neue PANIC!-Box.
:R2_SIZE_TOBASIC	= \$0200	;Neue ToBasic-Routine.
:R2_SIZE_GETNXDAY	= \$0080	;Nächsten Tag berechnen.
:R2_SIZE_DOALARM	= \$0080	;Weckzeit anzeigen.
:R2_SIZE_GETFILES	= \$1c00	;Neue Dateiauswahlbox.
:R2_SIZE_GFILEDATA	= \$0180	;GetFiles-Subroutine.
:R2_SIZE_GFILMENU	= \$0380	;GetFiles-Subroutine.
:R2_SIZE_DB_SCREEN	= \$0300	;Dialogboxbildschirm laden/speichern.
:R2_SIZE_DB_COLOR	= 25*40	;Dialogboxbildschirm: Farbe.
:R2_SIZE_DB_GRAFX	= 25*40*8	;Dialogboxbildschirm: Grafik.
:R2_SIZE_GETBSCRN	= \$0100	;Hintergrundbild einlesen.
:R2_SIZE_BS_COLOR	= 25*40	;Hintergrundbild: Farbe.
:R2_SIZE_BS_GRAFX	= 25*40*8	;Hintergrundbild: Grafik.
:R2_SIZE_SCRSAVER	= \$1c00	;Bildschirmschoner-Routine.
:R2_SIZE_SS_COLOR	= 25*40	;Bildschirmschoner: Farbe.

```
:R2_SIZE_SS_GRAFX      = 25*40*8 ;Bildschirmschoner: Grafik.
:R2_SIZE_SPOOLER        = $1600   ;Spooler-Menü.
:R2_SIZE_PRNSPHDR       = $0100   ;Header für Druckerspooler-Treiber.
;--- Ergänzung: 30.12.18/M.Kanet
;geoCalc64 nutzt beim Drucken ab $$5569 eine Routine ab $7F3F. Die Adresse
;ist aber noch für Druckertreiber reduziert. Wird der gesamte Speicher
;getauscht führt das zum Absturz in geoCalc.
;SetADDR_Printer und SetADDR_PrnSpool dürfen max. bis $7F3E reichen.
;Siehe auch Datei "- G3_SetVecRAM".
:R2_SIZE_PRNSPOOL       = $0640   ;Druckerspooler-Treiber.
:R2_SIZE_PRNTHDR        = $0100   ;Header für Drucker-Treiber.
:R2_SIZE_PRINTER        = $0640   ;Drucker-Treiber.
:R2_SIZE_TASKMAN        = $2000   ;Größe des TaskSwitchers.

:R2_ADDR_REGISTER       = $0000
:R2_ADDR_ENTER_DT       = (R2_ADDR_REGISTER + R2_SIZE_REGISTER)
:R2_ADDR_PANIC          = (R2_ADDR_ENTER_DT + R2_SIZE_ENTER_DT)
:R2_ADDR_TOBASIC        = (R2_ADDR_PANIC    + R2_SIZE_PANIC    )
:R2_ADDR_GETNXDAY       = (R2_ADDR_TOBASIC  + R2_SIZE_TOBASIC )
:R2_ADDR_DOALARM        = (R2_ADDR_GETNXDAY + R2_SIZE_GETNXDAY)
:R2_ADDR_GETFILES       = (R2_ADDR_DOALARM  + R2_SIZE_DOALARM )
:R2_ADDR_GFILEDATA      = (R2_ADDR_GETFILES + R2_SIZE_GETFILES)
:R2_ADDR_GFILMENU       = (R2_ADDR_GFILEDATA + R2_SIZE_GFILEDATA)
:R2_ADDR_DB_SCREEN      = (R2_ADDR_GFILMENU + R2_SIZE_GFILMENU)
:R2_ADDR_DB_COLOR       = (R2_ADDR_DB_SCREEN+ R2_SIZE_DB_SCREEN)
:R2_ADDR_DB_GRAFX       = (R2_ADDR_DB_COLOR + R2_SIZE_DB_COLOR)
:R2_ADDR_GETBSCRN       = (R2_ADDR_DB_GRAFX + R2_SIZE_DB_GRAFX)
:R2_ADDR_BS_COLOR       = (R2_ADDR_GETBSCRN + R2_SIZE_GETBSCRN)
:R2_ADDR_BS_GRAFX       = (R2_ADDR_BS_COLOR + R2_SIZE_BS_COLOR)
:R2_ADDR_SCRSAVER       = (R2_ADDR_BS_GRAFX + R2_SIZE_BS_GRAFX)
:R2_ADDR_SS_COLOR       = (R2_ADDR_SCRSAVER + R2_SIZE_SCRSAVER)
:R2_ADDR_SS_GRAFX       = (R2_ADDR_SS_COLOR + R2_SIZE_SS_COLOR)
:R2_ADDR_SPOOLER        = (R2_ADDR_SS_GRAFX + R2_SIZE_SS_GRAFX)
:R2_ADDR_PRNSPHDR       = $d180
:R2_ADDR_PRNSPOOL       = $d280
:R2_ADDR_PRNTHDR        = $d8c0
:R2_ADDR_PRINTER        = $d9c0
:R2_ADDR_TASKMAN        = $4000   ;Adresse TaskManager.
:R2_ADDR_TASKMAN_E      = $6000   ;Adresse TaskManager während GEOS.Editor.
:R2_ADDR_TASKMAN_B      = $e000   ;Adresse TaskManager beim booten!

;*** Variablen die den Inhalt der dritten (MP)-Speicherbank bestimmen.
; Für diese Variablen gibt es keinen Eintrag in der Sprungtabelle!!!
:R3_SIZE_SWAPFILE       = $7c00   ;Größe der Auslagerungsdatei.
:R3_SIZE_FNAMES         = $1200   ;Puffer für Dateinamen.
:R3_SIZE_AUTOBBUF       = SIZE_AUTO_BOOT      ;Puffer AutoBoot-Routine.
:R3_SIZE_REGMEMBUF      = R2_SIZE_REGISTER    ;Puffer Registermenü.
:R3_SIZE_ZEROPBUF       = $0400   ;Puffer Druckerspooler.
```

```
:R3_SIZE_OSVARBUF    = $0c00    ;Puffer Druckerspooler.  
:R3_SIZE_MPVARBUF    = $0050    ;Puffer Druckerspooler.  
:R3_SIZE_SP_COLOR    = 25*40    ;Puffer Druckerspooler.  
:R3_SIZE_SP_GRAFX    = 25*40*8  ;Puffer Druckerspooler.  
:R3_SIZE_SPOOLDAT    = 640 + 80 + 1920    ;Puffer Druckerspooler.  
:R3_SIZE_PRNSPLTMP    = $0640    ;Temp. Kopie des Spooler-Treibers.
```

```
:R3_ADDR_SWAPFILE    = $0000  
:R3_ADDR_FNAMES      = (R3_ADDR_SWAPFILE + R3_SIZE_SWAPFILE )  
:R3_ADDR_AUTOBBUF    = (R3_ADDR_FNAMES + R3_SIZE_FNAMES )  
:R3_ADDR_REGMEMBUF    = (R3_ADDR_AUTOBBUF + R3_SIZE_AUTOBBUF )  
:R3_ADDR_ZEROPBUF    = (R3_ADDR_REGMEMBUF + R3_SIZE_REGMEMBUF)  
:R3_ADDR_OSVARBUF    = (R3_ADDR_ZEROPBUF + R3_SIZE_ZEROPBUF )  
:R3_ADDR_MPVARBUF    = (R3_ADDR_OSVARBUF + R3_SIZE_OSVARBUF )  
:R3_ADDR_SP_COLOR    = (R3_ADDR_MPVARBUF + R3_SIZE_MPVARBUF )  
:R3_ADDR_SP_GRAFX    = (R3_ADDR_SP_COLOR + R3_SIZE_SP_COLOR )  
:R3_ADDR_SPOOLDAT    = (R3_ADDR_SP_GRAFX + R3_SIZE_SP_GRAFX )  
:R3_ADDR_PRNSPLTMP    = (R3_ADDR_SPOOLDAT + R3_SIZE_SPOOLDAT )  
:R3_ADDR_END_MP3      = (R3_ADDR_PRNSPLTMP + R3_SIZE_PRNSPLTMP)
```

;*** MegaPatch-Startadressen.

; Die externen Routinen werden an diese Adresse geladen und ausgeführt.

```
:LD_ADDR_NEWBSCRN    = $7800  
:LD_ADDR_REGISTER    = PRINTBASE - R2_SIZE_REGISTER  
:LD_ADDR_ENTER_DT    = diskBlkBuf - R2_SIZE_ENTER_DT  
:LD_ADDR_PANIC       = diskBlkBuf  
:LD_ADDR_TOBASIC     = DISK_BASE - R2_SIZE_TOBASIC  
:LD_ADDR_GETMXDAY     = diskBlkBuf  
:LD_ADDR_DOALARM     = diskBlkBuf  
:LD_ADDR_GETFILES     = BACK_SCR_BASE  
:LD_ADDR_GFILDATA     = dlgBoxRamBuf + 0  
:LD_ADDR_GFILPART     = dlgBoxRamBuf + 9  
:LD_ADDR_GFILMENU     = diskBlkBuf           ;:- R2_SIZE_GFILMENU  
:LD_ADDR_GFILICON     = LD_ADDR_GFILMENU + 3  
:LD_ADDR_GFILFBOX     = LD_ADDR_GFILMENU + 6  
:LD_ADDR_DBOXICON     = LD_ADDR_GFILMENU + 9  
:DB_FNAME_BUF        = LD_ADDR_GETFILES - R3_SIZE_FNAMES  
:DB_PDATA_BUF        = LD_ADDR_GETFILES - 256  
:LD_ADDR_DB_SCREEN    = diskBlkBuf  
:DB_SCREEN_SAVE      = LD_ADDR_DB_SCREEN + 0  
:DB_SCREEN_LOAD      = LD_ADDR_DB_SCREEN + 3  
:LD_ADDR_TASKMAN      = $4000  
:LD_ADDR_INIT_GEOS    = diskBlkBuf  
:LD_ADDR_SCRSAVER     = OS_VARS - R2_SIZE_SCRSAVER  
:LD_ADDR_SCRSVINIT    = LD_ADDR_SCRSAVER + 3  
:LD_ADDR_GETBSCRN     = diskBlkBuf  
:LD_ADDR_SPOOLER      = $4000
```

;*** Zwischenspeicher.

:UserFileBuf = APP_RAM + 5*256

;--- Ergänzung: 08.08.18/M.Kanet

;Um Symbolspeicher zu sparen wurde die Definition der Laufwerkstypen

;in SymbTab_2 ausgelagert.

;*** Definition der RAM-Typen.

:RAM_SCPU	= \$10	;SuperCPU/RAMCard ab ROM V1.4!
:RAM_BBG	= \$20	;GeoRAM/BBGRAM allgemein.
:RAM_BBG16	= \$21	;GeoRAM/BBGRAM: Bankgröße 16Kb.
:RAM_BBG32	= \$22	;GeoRAM/BBGRAM: Bankgröße 32Kb.
:RAM_BBG64	= \$23	;GeoRAM/BBGRAM: Bankgröße 64Kb.
:RAM_REU	= \$40	;Commodore C=REU.
:RAM_RL	= \$80	;RAMLink.

;*** Einsprünge im C64/C128-Kernal.

:IOINIT	= \$fda3	
:CINT	= \$ff81	;Reset: Timer, IO, PAL/NTSC, Bildschirm.
:SETMSG	= \$ff90	;Dateiparameter definieren.
:SECOND	= \$ff93	;Sekundär-Adresse nach LISTEN senden.
:TKSA	= \$ff96	;Sekundär-Adresse nach TALK senden.
:ACPTR	= \$ffa5	;Byte-Eingabe vom IEC-Bus.
:CIOUT	= \$ffa8	;Byte-Ausgabe auf IEC-Bus.
:UNTALK	= \$ffab	;UNTALK-Signal auf IEC-Bus senden.
:UNLSN	= \$ffae	;UNLISTEN-Signal auf IEC-Bus senden.
:LISTEN	= \$ffb1	;LISTEN-Signal auf IEC-Bus senden.
:TALK	= \$ffb4	;TALK-Signal auf IEC-Bus senden.
:SETLFS	= \$ffba	;Dateiparameter setzen.
:SETNAM	= \$ffbd	;Dateiname setzen.
:OPENCHN	= \$ffc0	;Datei öffnen.
:CLOSE	= \$ffc3	;Datei schließen.
:CHKIN	= \$ffc6	;Eingabefile setzen.
:CKOUT	= \$ffc9	;Ausgabefile setzen.
:CLRCHN	= \$ffcc	;Standard-I/O setzen.
:BSOUT	= \$ffd2	;Zeichen ausgeben.
:LOAD	= \$ffd5	;Datei laden.
:GETIN	= \$ffe4	;Tastatur-Eingabe.
:CLALL	= \$ffe7	;Alle Kanäle schließen.

;*** Einsprünge im RAMLink-Kernal.

:EN_SET_REC	= \$e0a9
:RL_HW_EN	= \$e0b1
:SET_REC_IMG	= \$fe03
:EXEC_REC_REU	= \$fe06
:EXEC_REC_SEC	= \$fe09
:RL_HW_DIS	= \$fe0c
:RL_HW_DIS2	= \$fe0f
:EXEC_REU_DIS	= \$fe1e
:EXEC_SEC_DIS	= \$fe21