MODULE LIST

TURBO RELEASE

PRAM#	M14#	M40#
HEAD#	M15#	DATA#
GLOB#	M16#	PROG#
M01#	PACK#	M43#
SNTX#	CARD#	M44#
RUNS#	RNUM#	M49#
M04#	CRYP#	M50#
DEVC#	GIOS#	M55#
M06#	LIST#	M60#
EXPR#	PLOT#	M90#
M08#	M30#	M91#
ARAY#	M31#	M98#
M10#	M32#	MATH#
M11#	M33#	DOSS#
M12#	M35#	TAIL#
M13#	M36#	

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MODULE CONTENTS

PRAM	Common Preamble + standard Equates
HEAD	Header Module - Version etc
GLOB	Global Data
M01	Main Control Module
SNTX	Syntax Analysis
RUNS	RUN - STEP - CONTINUE - CLEAR
M04	GOTO - GOSUB - IF - DO - END - LET - REM
DEVC	Device Control
M06	Various Subroutines
EXPR	Expression Analysis
M08	COM - DIM - SELECT - STOP
ARAY	Array Handling
M10	Alphanumerics
M11	DATA - READ - RESTORE - ON (GOSUB/GOTO) - ON SELECT
M12	INPUT - PRINT - TRACE - RETURN
M13	Alpha Expressions / Functions
M14	Alpha Logical Operators
M15	IMAGE - CONVERT - PACK - UNPACK - PRINT USING
M16	Various subroutines
PACK	$PACK - $UNPACK - HEXPACK - HEX - FORMAT

CARD	Paper tape and Card Reader
RNUM	RENUMBER
CRYP	Program Encryption / Decryption
GIOS	$GIO - $statement
LIST	LIST command
PLOT	PLOT statement
M30	Matrices
M31	Matrices
M32	Partion switching code
M33	$ALERT - $OPEN - $CLOSE - $BREAK - $MSG
M35	Keyboard
M36	Bootstrap / Initialisation
M40	Disk Handling routines
DATA	DATA LOAD - DATA SAVE
PROG	Program LOAD - Program SAVE
M43	MOVE - COPY - LIMITS - FORMAT - VERIFY
M44	Disk TRACE
M49	Polling / Interrupt Handling
M50	Matrices
M55	Printer driver
M60	FOR - NEXT
M90	Timer functions
M91	System messages
M98	MXE TC Handling
MATH	Mathematical Routines
DOSS	DATA LOAD / SAVE on DOS format disks
TAIL	End of MVP

TURBO 1.15 TO 1.30 CHANGES

HEAD		1.17	1.15	
GLOB	1.16	1.17	1.18Q	1.30
M01		1.17		1.30
SNTX			1.18Q	1.30
RUNS				
M04				
DEVC		1.17		
M06				
EXPR				1.30
M08				
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M10				
M11				
M12		1.17	1.18Q	
M13				
M14				
M15				
M16				
PACK				
CARD				
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LIST	1.16	1.17		
PLOT				
M30		1.17		
M31		1.17		
M32	1.16	1.17	1.18Q	
M33	1.16	1.17	1.16	
M35	1.16	1.17	1.18Q	
M36		1.17	1.18Q	
M40				
DATA	1.16			1.30
PROG				1.30
M43	1.16	1.17	1.18Q	1.30
M44				
M49				
M50				
M55	1.16			
M60				
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M98				
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DOSS				1.30
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TAIL	End of MVP

To: Gene Schulz

From: Michael Riley

Date: Augest 14, 1991

Subj: BASIC-2 Enhancements

Enhancements of Release 2.0 for cs/386 + TURBO 1.0

1. GOSUB' integer ..... DEFFN' integer .....

   Change integer Range (0 -- 255) to Range (0 -- 65535)

2. LIMITS T(file#,) filename, start, end, used (,status)

   Change to LIMITS T (file#,) filename, start, end, used, (,status) (,hash-sector) (,index-type)

3. COM and DIM

   Change 1-dimension arrays from Range (1 -- 65535) to (1 -- 65535*65535)
   Change 2-dimension arrays from Range (1 -- 255) to (1 -- 65535)

4. MAT MERGE ..... for two byte length Locator-Array.
   MAT SORT ..... (Dimensions under 65535)
   MAT MOVE .....

   MAT MERGE ! ... for four byte length Locator-Array.
   MAT SORT ! .... (Dimensions under 65535*65535)
   MAT MOVE ! ....

   MAT SEARCH .... for two byte length pointer-variable.
   (Dimensions under 65535)

   MAT SEARCH ! .. for four byte length pointer-variable.
   (Dimensions under 65535*65535)

DONE 5. LIST SELECT... for listing all the SELECT variables

6. SCRATCH DISK ' ... for index type 1

   SCRATCH DISK & ... for index type 2 (Three byte addressing)
   (Change index size from Range (1 -- 255) to (1 -- 65535) and sector from Range (1 -- 65535) to (1 -- 65535*256)

New Functions of Release 2.0

1. SELECT H ON — for platter hog switch on
   SELECT H OFF — for platter hog switch off)

2. SELECT 3 ON — for three byte addressing switch on
   SELECT 3 OFF — for three byte addressing switch off

3. SELECT T ON — for Date and Time put on File switch on
   SELECT T OFF — for Date and Time put on File switch off

4. PRINT #CPU — CPU number printout that got from @GENPART

5. $ROTATE (alpha-variable,numeric-1,numeric-2,(-)numeric-3)

Where:

Alpha-variable	= String that to be byte rotated
numeric-1	= Starting pointer of Rotated Range of string
numeric-2	= Ending pointer of Rotated Range of string
(-)	= Right rotate and none for Left rotate
numeric-3	= Rotate count

6. $MOVE (! &) T (file#,) (filename i) TO T (file#,) (filename o)
   disk, disk,

Where
! is move to new file program format
& is move to old file program format

filename i = 8 character program to be converted
or
8 character data file name with program name in it
filename o = 8 character data file name that will store program names that have failed the $MOV command.

The data file MUST have all ready been opened before executing the $MOVE command or a error D80 will accure.
The data file format is 8 bytes for program name.
6 bytes for line number.
2 bytes for error type.

1.30.01

October 27, 1993
Wang Laboratories, Inc.
1 Industrial Avenue
Lowell, MA 01851 USA

Release Notes
for
CS/386 TURBO Maintenance Release 1.30.01
for beta test

This Turbo Maintenance Release, 1.30.01, represents the latest Turbo Operating System software now available for beta test. The @MVP microcode file has been modified to correct a number of unique problems. The release number was bumped from 1.18 to 1.29 and then to 1.30 to prevent any confusion with existing test, beta, and older pre-releases of the Turbo Operating Systems.

Note 1: Use of maintenance release 1.18 and above requires new proms on the CPU board at locations L50 and L64, and on all Turbo Controllers (MXF, 22C11-HS, and 22C11-SCSI) at locations L7 and L14 of the 210-9579 I/O Processor. These proms are only available from R&D and/or Product Support at this time.

Note 2: If upgrading from Turbo General Release 1.10 or Turbo Maintenance Release 1.15 and using Three Byte Addressing, a compatibility problem exists with O/S 1.18 and higher. A bug exists on 1.1 and 1.15 which moves the index up 1 sector but only on a 3 byte address. It may also result in index entries which normally should be in the last index sector being written out in the catalog area. A 3 byte address can easily be identified on a LIST of a disk by the & sign immediately following the the right most digit of the 'INDEX SECTORS =' entry. On 1.1 or 1.15, any file entries that the system tries to place in the last sector of the index could be a problem. If the first file was a program, this problem could be harmless because the first sector of a program contains just the filename and the index can work around it. If the first file following the index is a data file, a data integrity problem could exist. Writing to that data file could overwrite index entries that should be in the last sector of the index. Adding files to that address could result in the index entry be written out in the catalog area. Although filenames which should be located in the last sector can be loaded if programs or read or written to if data, they will not show up on a LIST.

On 1.18 and higher, 3 Byte indices have been corrected to start at sector 0. This results in an inability of the O/S to locate a file explicitly by name if on a 3 byte address created by 1.1 or 1.15. A D82, 'File not Found', is issued even though the file may show on a standard LIST. This is also the case if the 3 byte address was created on 1.18 or higher and the system was downgraded to 1.1 or 1.15. Explicit reference to a filename will fail because in each case the O/S is looking 1 sector off and not finding the file. Special care will need to be taken when upgrading to 1.30.01 from 1.1 or 1.15 to insure no files are lost. If a MOVE disk command is used with 1.18 or above to MOVE a 3 byte address created with 1.1 or 1.15, filenames in the last sector of the index (actually last sector + 1) will not be moved. If you are using 3 byte addressing on 1.15 or 1.1 please contact Product Support before upgrading to insure this problem is properly addressed. Failure to fully comprehend the situation could result in a number of files being lost. Release 1.30.01 is the minimum release recommended for 3 Byte Addressing. See also 'Clarification' for additional related information.

The following list highlights in brief the problems fixed and modifications made to the operating system since the last General Release of the Operating System, release 1.10:

X1 - corrects problem with assigning Printer Drivers to address 204 for terminals beyond the first 16. (1.16)

X2 - fixes problem where a MXE TC port might not show up in the Device Table as well as problems hogging those TC addresses. (1.16)

X3 - corrects problem where with 3 byte addressing selected there could be a problem saving multiple data files with DATA SAVE DC OPEN. (1.16)

V1 - corrects problem where calculations greater than E99 could give an incorrect answer, should give an error. (1.17)

Q1 - resolves the terminal hang issue associated with the LINPUT and KEYIN commands where the terminal would intermittently not respond to a keyboard entry. (1.18)

Q2 - corrects a problem where printer drivers would not show up for any controller following an MXE or MXD. (1.18)

Q3 - corrects a problem where if using address 405 to PRINT to the screen, linefeeds would not be suppressed. (1.18)

Q4 - allows the SCSI floppy to read a 256 byte 360K or 1.2M 2200 diskette. (1.18)

Q5 - corrects problem where a rewind or retension of SCSI tape would fail with a virgin tape. (1.18)

Q6 - corrects problem where if a REM% was followed by a hex 7D or hex 7E character, all subsequent commands on the same line would be ignored. (1.18Q)

Q7 - corrects an intermittent hang which could occur when mux'ing 2 CPUs to 2 disk drives if 2 or more partitions from each CPU where hogging both mux'd units. (1.18Q)

- if a program was enlarged to require an additional sector and resaved within a program, the RESAVE would appear to successfully execute but the saved file would be blank. (1.29.00)

- if in immediate mode a string of 87 1s were added in a PRINT command, the O/S would blow and the system would need to be rebooted. Other long string combinations could also cause problems. (1.29.00)

- SELECT NEW would default to OLD after a CLEAR or LOADRUN. Now, the only way to change the NEW/OLD default is with the SELECT command. SELECT OLD is still the default on power up. (1.29.00)

- a line with a DEFFN' statement may not execute any command following it on the same line if in a Global with a higher partition #. (1.29.00)

- the RENAME command could corrupt the disk if renaming a program on a 3 byte address. (1.30.00)

- the LOADDAT and SAVEDAT commands would not work on a 3 byte address beyond 65534. (1.30.00)

- if an address with more than 65534 sectors had been scratched as a 2 byte catalog with less than 65535 sectors, a MOVEEND command beyond 65535 could be executed without an error and could corrupt the index. Now it correctly returns an illegal value for any number beyond 65534. (1.30.00)

- if a COPY command resulted in an error, the address involved could be locked out to all other users unless that same partition issues a RESET or reaccesses that address before another partition does. (1.30.00)

- If an address with 65535 sectors or more was scratched for 65535 sectors, the End Catalog Area would show an illegal address. To set the Catalog End to 65535, a 3 byte address must be created. (1.30.00)

- the MOVE command would cause the Catalog End to be set to the Current End. It now correctly uses the Catalog End from the input address unless otherwise specified. (1.30.00)

- COPY command would not work with an address of 65535 or higher with SELECT 3 ON with Rel 1.30.00. (1.30.01)
- VERIFY would not work with an address of 65535 or higher with SELECT 3 ON with Rel 1.30.00. (1.30.01)

Enhancements:

The MOVE command has been enhanced to dynamically allow the creation of a 3 byte index or a 2 byte index on the output disk regardless of the index type on the input disk. The syntax for this is as follows:

MOVET/Dxx,TO&T/Dxx	creates a 3 byte index on the output disk
MOVET/Dxx,TO'T/Dxx	creates a 2 byte Type 1 index on the output

After the 2nd address, the index size (LS = #) and catalog size (END = #) can optionally be given by using a comma after the last address and after the index size if both options are used. If not specified the MOVE command will create the same type index on the output disk as existed on the input disk. As previously defined, specifying the index size or catalog end without the ' or & will cause a default to a type 1 index. Without the & an index size greater than 256 or a catalog end greater than 65534 will cause an error.

Clarification:

SELECT 3 ON/OFF - is used in conjunction with 3 byte addressing, an optional Turbo feature with the new DS or CS-D R4 prom. Three Byte Addressing provides 1 additional byte for each address entry when creating a disk catalog. This enables the user to create a disk catalog which can extend beyond 65534 sectors and/or an index greater than 256 sectors. Because alphavariables can be used within certain disk commands to specify the sector address, the system must now be able to identify whether the alphavariable is 2 or 3 bytes long. This is the main purpose of the SELECT 3 command. SELECT 3 must be on to read a 3 byte address when using an alphavariable for a sector address in a DATALOAD or DATASAVE command. Subsequently, a SELECT 3 OFF command must be issued from the same partition if switching back to a 2 byte address in an alphavariable. Failure to set SELECT 3 ON and OFF appropriately when using alphavariables for sector addresses will likely corrupt your disk. Additionaly, unless explicitly identified as a 3 byte command (use of & in a SCRATCH or MOVE), SELECT 3 is required for the system to accept an address beyond sector 65534 in a disk command.

Known anomalies:

PERFORMANCE:
1. CPU intensive processes can be negatively impacted when upgrading from Turbo O/S 1.1 to O/S 1.18 or higher when running at the same time as certain disk processes. CPU intensive processes seem to have priority on 1.1 where disk I/O seems to have priority on 1.18 and above.

22C11-HS HIGH SPEED PRINTER PORT:
2. The High Speed printer buffer has a 1 character overflow. If the data string sent to the printer exceeds the remaining space in the buffer a hang occurs.

3. A special machine code command to check printer ready can cause a problem with the high-speed printer port on the 22C11-HS. This program works perfectly with the old bus indicating READY or NOT READY if you deselect the printer. On the 22C11-HS, READY is usually indicated even without a printer connected. If the command is looped on while the printer is deselected, within approximately 5-10 minutes the system is hung until the printer is selected.
4. A GIO sequence which works with the 386 and on the old bus to determine if the printer is READY or NOT READY if used with the 22C11-HS can cause the disk port on that board to hang or severely slow down.
5. After a warm boot, $INIT"SYSTEM", if using a printer with a buffer such as the PM017 on the 22C11-HS, some garbage characters will print out preceding the first printed data.

MUXing DISKS:
6. Intermittent I90 errors occur if using the 22C11-HS Mux port. The more terminals controllers in the Turbo the more likely the problem.
7. If using the 22C11-HS Mux port to boot, all other CPUs using the common 2275MUX will be locked out of all access through that controller until @GENPART is loaded.
8. If a Turbo housing a 2275MUX is powered off and on, all access by secondary CPUs through the 2275MUX will hang until either RESET is keyed on the CPU attempting access or the Turbo accesses that address.
9. If boot diagnostics are executed on the Turbo through a 22C80, all disk access by other CPUs through the common 2275MUX will hang until the diagnostics are exited.

DISK RELATED:
10. VERIFY does not work properly with the 2275 if verifying just sector 0 on the 22C11-HS. The entire disk is verified.

SPECIFIC COMMAND RELATED:
11. The INPUT CURSOR command may intermittently hang.
12. LISTS & LISTSD do not work correctly to a system or terminal printer. If the printer requires a printer driver it will not linefeed. If the printout should take more than 1 screen, the 2nd screen does not occur.

SELECT H:
13. If 2 partitions are constantly accessing the same DS, only 1 with SELECT H ON, the partition using SELECT H ON will hang until the 2nd partition finishes if using the 22C11-HS.

MXF:
14. MXF Octopus ports will not give a DTR indication to a modem. Therefore they will not support a remote terminal. Ports 1 and 2 are OK.
15. If RESET is keyed during a GIO/005 command to an MXF port, intermittently subsequent GIO commands will no longer execute or will hang the port. Must reboot to correct. Problem is more persistent with ports 2-16.
16. The PRINT AT command does not position properly with the MXF in some cases.

OTHER:

17. If using the Make a Reference List of File Names Utility (Moving a Selected List of Files on newer releases) and after selecting your files, option 4 is used to save the list in a program file, an error A02 occurs on line 30, which is a COM statement.

18. If using 2 22C11-HS Controllers, the 2nd 22C11-HS always fails the 'System Interface Card Test on the first pass only.

Included with the enclosed software is a TEST SITE Agreement to be signed and returned to Wang. Please notify me of any problems which may occur or for any questions.

Sincerely,

Mike Bahia
2200 Product Support
M/S 019-690
Tel: 508-656-0256

0116D

1.30.00

October 7, 1993
Wang Laboratories, Inc.
1 Industrial Avenue
Lowell, MA 01851 USA

Release Notes
for
CS/386 TURBO Maintenance Release 1.30.00
for beta test

This Turbo Maintenance Release, 1.30.00, represents the latest Turbo Operating System software now available for beta test. The @MVP microcode file has been modified to correct a number of unique problems. The release number was bumped from 1.18 to 1.29 and then to 1.30 to prevent any confusion with existing test, beta, and older pre-releases of the Turbo Operating Systems.

Note 1: Use of maintenance release 1.18 and above requires new proms on the CPU board at locations L50 and L64, and on all Turbo Controllers (MXF, 22C11-HS, and 22C11-SCSI) at locations L7 and L14 of the 210-9579 I/O Processor. These proms are only available from R&D and/or Product Support at this time.

Note 2: If upgrading from Turbo General Release 1.10 or Turbo Maintenance Release 1.15 and using Three Byte Addressing, a compatibility problem exists with O/S 1.18 and higher. A bug exists on 1.1 and 1.15 which moves the index up 1 sector but only on a 3 byte address. A 3 byte address can easily be identified on a LIST of a disk by the & sign immediately following the the right most digit of the 'INDEX SECTORS =' entry. On 1.1 or 1.15, any file entries that are placed in the last sector of the index would actually be in the first sector of the first file of the catalog. If the first file was a program, this problem could be harmless because the first sector of a program contains just the filename and the index can work around it. If the first file following the index is a data file, a data integrity problem could exist. Writing to that data file could overwrite index entries in the last sector of the index. Adding files to that address could result in an entry in the last sector of the index which would overwrite data in that file. Additionally, although filenames located in the last sector can be loaded if programs or read or written to if data, they will not show up on a LIST.

On 1.18 and higher, 3 Byte indices have been corrected to start at sector 0. This results in an inability of the O/S to locate a file explicitly by name if on a 3 byte address created by 1.1 or 1.15. A D82, 'File not Found', is issued even though the file shows on a standard LIST. This is also the case if the 3 byte address was created on 1.18 or higher and the system was downgraded to 1.1 or 1.15. Explicit reference to a filename will fail because in each case the O/S is looking 1 sector off and not finding the file. To resolve this problem when upgrading to 1.30 from 1.1 or 1.15, you will need to use the MOVE command to move all files to a new address. In setting up the output disk the O/S will correctly locate each existing file in the proper location where it can then be fully accessible See 'Enhancements' for additional information on new options now available with the MOVE command.

Release 1.30 is the minimum release recommended for 3 Byte Addressing. It includes fixes for a number of 3 byte Addressing problems. See also 'Clarification' for additional related information.

The following list highlights in brief the problems fixed and modifications made to the operating system since the last General Release of the Operating System, release 1.10:

- corrects problem with assigning Printer Drivers to address 204 for terminals beyond the first 16. (1.16)
- fixes problem where a MXE TC port might not show up in the Device Table as well as problems hogging those TC addresses. (1.16)
- corrects problem where with 3 byte addressing selected there could be a problem saving multiple data files with DATA SAVE DC OPEN. (1.16)
- corrects problem where calculations greater than E99 could give an incorrect answer, should give an error. (1.17)
- resolves the terminal hang issue associated with the LINPUT and KEYIN commands where the terminal would intermittently not respond to a keyboard entry. (1.18)
- corrects a problem where printer drivers would not show up for any controller following an MXE or MXD. (1.18)
- corrects a problem where if using address 405 to PRINT to the screen, linefeeds would not be suppressed. (1.18)
- allows the SCSI floppy to read a 256 byte 360K or 1.2M 2200 diskette. (1.18)
- corrects problem where a rewind or retension of SCSI tape would fail with a virgin tape. (1.18)
- corrects problem where if a REM% was followed by a hex 7D or hex 7E character, all subsequent commands on the same line would be ignored. (1.18Q)
- corrects an intermittent hang which could occur when mux'ing 2 CPUs to 2 disk drives if 2 or more partitions from each CPU where hogging both mux'd units. (1.18Q)
- if a program was enlarged to require an additional sector and resaved within a program, the RESAVE would appear to successfully execute but the saved file would be blank. (1.29.00)
- if in immediate mode a string of 87 1s were added in a PRINT command, the O/S would blow and the system would need to be rebooted. Other long string combinations could also cause problems. (1.29.00)
- SELECT NEW would default to OLD after a CLEAR or LOADRUN. Now, the only way to change the NEW/OLD default is with the SELECT command. SELECT OLD is still the default on power up. (1.29.00)
- a line with a DEFFN' statement may not execute any command following it on the same line if in a Global with a higher partition #. (1.29.00)
- the RENAME command could corrupt the disk if renaming a program on a 3 byte address. (1.30.00)
- the LOADDAT and SAVEDAT commands would not work on a 3 byte address beyond 65534. (1.30.00)
- if an address with more than 65534 sectors had been scratched as a 2 byte catalog with less than 65535 sectors, a MOVEEND command beyond 65535 could be executed without an error and could corrupt the index. Now it correctly returns an illegal value for any number beyond 65534. (1.30.00)
- if a COPY command resulted in an error, the address involved could be locked out to all other users unless that same partition issues a RESET or reaccesses that address before another partition does. (1.30.00)
- If an address with 65535 sectors or more was scratched for 65535 sectors, the End Catalog Area would show an illegal address. To set the Catalog End to 65535, a 3 byte address must be created. (1.30.00)
- the MOVE command would cause the Catalog End to be set to the Current End. It now correctly uses the Catalog End from the input address unless otherwise specified.

Enhancements:

The MOVE command has been enhanced to dynamically allow the creation of a 3 byte index or a 2 byte index on the output disk regardless of the index type on the input disk. The syntax for this is as follows:

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MOVET/Dxx,TO&T/Dxx     creates a 3 byte index on the output disk
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After the 2nd address, the index size (LS = #) and catalog size (END = #) can optionally be given by using a comma after the last address and after the index size if both options are used. If not specified the MOVE command will create the same type index on the output disk as existed on the input disk. As previously defined, specifying the index size or catalog end without the ' or & will cause a default to a type 1 index. Without the & an index size greater than 256 or a catalog end greater than 65534 will cause an error.

Clarification:

SELECT 3 ON/OFF - is used in conjunction with 3 byte addressing, an optional Turbo feature with the new DS or CS-D R4 prom. Three Byte Addressing provides 1 additional byte for each address entry when creating a disk catalog. This enables the user to create a disk catalog which can extend beyond 65534 sectors and/or an index greater than 256 sectors. Because alphavariables can be used within certain disk commands to specify the sector address, the system must now be able to identify whether the alphavariable is 2 or 3 bytes long. This is the main purpose of the SELECT 3 command. SELECT 3 must be on to read a 3 byte address when using an alphavariable for a sector address in a DATALOAD or DATASAVE command. Subsequently, a SELECT 3 OFF command must be issued from the same partition if switching back to a 2 byte address in an alphavariable. Failure to set SELECT 3 ON and OFF appropriately when using alphavariables for sector addresses will likely corrupt your disk. Additionaly, unless explicitly identified as a 3 byte command (use of & in a SCRATCH or MOVE), SELECT 3 is required for the system to accept an address beyond sector 65534 in a disk command.

Known anomalies:

PERFORMANCE:
1. CPU intensive processes can be negatively impacted when upgrading from Turbo O/S 1.1 to O/S 1.18 or higher when running at the same time as certain disk processes. CPU intensive processes seem to have priority on 1.1 where disk I/O seems to have priority on 1.18 and above.

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2. The High Speed printer buffer has a 1 character overflow. If the data string sent to the printer exceeds the remaining space in the buffer a hang occurs.

3. A special machine code command to check printer ready can cause a problem with the high-speed printer port on the 22C11-HS. This program works perfectly with the old bus indicating READY or NOT READY if you deselect the printer. On the 22C11-HS, READY is usually indicated even without a printer connected. If the command is looped on while the printer is deselected, within approximately 5-10 minutes the system is hung until the printer is selected.
4. A GIO sequence which works with the 386 and on the old bus to determine if the printer is READY or NOT READY if used with the 22C11-HS can cause the disk port on that board to hang or severely slow down.
5. After a warm boot, $INIT"SYSTEM", if using a printer with a buffer such as the PM017 on the 22C11-HS, some garbage characters will print out preceding the first printed data.

MUXing DISKS:
6. Intermittent I90 errors occur if using the 22C11-HS Mux port. The more terminals controllers in the Turbo the more likely the problem.
7. If using the 22C11-HS Mux port to boot, all other CPUs using the common 2275MUX will be locked out of all access through that controller until @GENPART is loaded.
8. If a Turbo housing a 2275MUX is powered off and on, all access by secondary CPUs through the 2275MUX will hang until either RESET is keyed on the CPU attempting access or the Turbo accesses that address.
9. If boot diagnostics are executed on the Turbo through a 22C80, all disk access by other CPUs through the common 2275MUX will hang until the diagnostics are exited.

DISK RELATED:
10. VERIFY does not work properly with the 2275 if verifying just sector 0 on the 22C11-HS.

SPECIFIC COMMAND RELATED:
11. The INPUT CURSOR command may intermittently hang.
12. LISTS & LISTSD do not work correctly to a system or terminal printer. If the printer requires a printer driver it will not linefeed. If the printout should take more than 1 screen, the 2nd screen does not occur.

SELECT H:
13. If 2 partitions are constantly accessing the same DS, only 1 with SELECT H ON, the partition using SELECT H ON will hang until the 2nd partition finishes if using the 22C11-HS.

MXF:
14. MXF Octopus ports will not give a DTR indication to a modem. Therefore they will not support a remote terminal. Ports 1 and 2 are OK.
15. If RESET is keyed during a GIO/005 command to an MXF port, intermittently subsequent GIO commands will no longer execute or will hang the port. Must reboot to correct. Problem is more persistent with ports 2-16.
16. The PRINT AT command does not position properly with the MXF in some cases.

OTHER:

17. If using the Make a Reference List of File Names Utility (Moving a Selected List of Files on newer releases) and after selecting your files, option 4 is used to save the list in a program file, an error A02 occurs on line 30, which is a COM statement.

18. If using 2 22C11-HS Controllers, the 2nd 22C11-HS always fails the 'System Interface Card Test on the first pass only.

Included with the enclosed software is a TEST SITE Agreement to be signed and returned to Wang. Please notify me of any problems which may occur or for any questions.

Sincerely,

Mike Bahia
2200 Product Support
M/S 019-690
Tel: 508-656-0256

0116D

1.15 → 1.30 Module Changes

HEAD		(1.17)	1.15	
GLOB	1.16	1.17	1.18Q	1.30
M01		1.17		1.30
SNTX			1.18Q	1.30
RUNS				
M04				
DEVC		1.17		
M06				
EXPR				1.30
M08				
ARAY				
M10				
M11				
M12		1.17	1.18Q	
M13				
M14				
M15				
M16				
PACK				
CARD				
RNUM				
CRYP				
GIOS				
LIST	1.16	1.17		
PLOT				
M30		1.17		
M31		1.17		
M32	1.16	1.17	1.18Q	
M33	1.16	(1.17)	1.16	
M35	1.16	1.17	1.18Q	
M36		1.17	1.18Q	
M40				
DATA	1.16			1.30
PROG				1.30
M43	1.16	1.17	1.18Q	1.30
M44				
M49				
M50				
M55	1.16			
M60				
M90				
M91				
M98				
MATH			1.18Q	
DOSS				1.30
TAIL				

TURBO RELEASE # 1.25

PRAM# S
HEAD# S
GLOB# A (Q4 Q5)
M01# A (V1)
SNTX# A (Q6)
RUNS# A
M04# A
DEVC# S (Q3 + ?)
M06# A
EXPR# A
M08# A
ARAY# A
M10# A
M11# A
M12# A (Q2 Q3)
M13# A
M14# A
M15# A
M16# A
PACK# A
CARD# A
RNUM# A
CRYP# A
GIOS# A
LIST# A (typo .U64)
PLOT# A
M30# A (Array)
M31# A (Array ? +stat)
M32# S
M33# A (Q7 ?)
M35# S
M36# A (typo diag)
M40# A
DATA# A (X3)
PROG# A
M43# A (Q4 Q5)
M44# A
M49# A
M50# A
M55# A (U64)
M60# A
M90# A
M91# A
M98# A
MATH# A (V1 RND)
DOSS# A
TAIL# A

1.18Q

TURBO RELEASE #@

PRAM#@
HEAD#@
GLOB#@
M01#@
SNTX#@
RUNS#A
M04#A
DEVC#A
M06#A
EXPR#@
M08#A
ARAY#A
M10#A
M11#A
M12#A
M13#A
M14#A
M15#A
M16#A
PACK#A
CARD#A
RNUM#A
CRYP#A
GIOS#A
LIST#A
PLOT#A
M30#A
M31#A
M32#A
M33#A
M35#A
M36#A
M40#A
DATA#@
PROG#@
M43#@
M44#A
M49#A
M50#A
M55#A
M60#A
M90#A
M91#A
M98#A
MATH#A
DOSS#@
TAIL#A

1.17 10A6

TURBO RELEASE # V

PRAM# V
HEAD# V
GLOB# V
M01# Q
SNTX# R
RUNS# A
M04# A
DEVC# A
M06# A
EXPR# Q
M08# A
ARAY# A
M10# A
M11# A
M12# A
M13# A
M14# A
M15# A
M16# A
PACK# A
CARD# A
RNUM# A
CRYP# A
GIOS# A
LIST# A
PLOT# A
M30# A
M31# A
M32# V
M33# V
M35# V
M36# V
M40# A
DATA# Q
PROG# Q
M43# V
M44# A
M49# A
M50# A
M55# A
M60# A
M90# A
M91# A
M98# A
MATH# R
DOSS# Q
TAIL# A

TURBO RELEASE # X

PRAM# X
HEAD# X
GLOB# X
M01# R
SNTX# R
RUNS# A
M04# A
DEVC# R
M06# A
EXPR# Q (same as R)
M08# A
ARAY# A
M10# A
M11# A
M12# R
M13# A

M14# A
M15# A
M16# A
PACK# A
CARD# A
RNUM# A
CRYP# A
GIOS# A
LIST# X
PLOT# A
M30# R
M31# R
M32# X
M33# A
M35# X
M36# R

M40# A
DATA# Q
PROG# Q (same as R)
M43# X
M44# A
M49# A
M50# A
M55# A
M60# A
M90# A
M91# A
M98# A
MATH# R
DOSS# Q
TAIL# A

TURBO RELEASE #R

PRAM#R	M14#A	M40#A
HEAD#R	M15#A	DATA#R
GLOB#R	M16#A	PROG#Q
M01#R	PACK#A	M43#R
SNTX#R	CARD#A	M44#A
RUNS#A	RNUM#A	M49#A
M04#A	CRYP#A	M50#A
DEVC#R	GIOS#A	M55#R
M06#A	LIST#R	M60#A
EXPR#Q	PLOT#A	M90#A
M08#A	M30#R	M91#A
ARAY#A	M31#R	M98#A
M10#A	M32#R	MATH#R
M11#A	M33#R	DOSS#Q
M12#R	M35#R	TAIL#A
M13#A	M36#R	

BASIC-2 ENHANCEMENTS

COMMAND	CS|2200 3.5	CS|386 1.29.01	CS|386 1.2x	TURBO 1.18Q
GOSUB'|DEFFN'	GOSUB' 255 max P34 w| 256 on ROT	GOSUB' 255 max P34 w| 256 on ROT	GOSUB' 65535 max P34 w| 65536	GOSUB' 65535 max P34 w| 65536
LIMITST" "	LIMITST"FILE",A,B,C,D S20 w| 5TH VARIABLE	LIMITST"FILE",A,B,C,D S20 w| 5TH VARIABLE	LIMITS"FILE",A,B,C,D,E,F	LIMITS"FILE",A,B,C,D,E,F
COM|DIM	DIM A$:124 max 125 PSO ON RUN 65536 P34 ON ROT	DIM A$124 max 125 PSO ON RUN	DIM A$124	DIM A$124 125 PSO ON RUN
	DIM A$(65535)124 max	DIM A$(528)124 DIM A$(65535)1	DIM A$(34636835)124 max DIM A$(4294967295)1 max	DIM A$(3463633)124 max DIM A$(4294967295)1 max
MATMERGE!	NOT SUPPORTED S28	NOT SUPPORTED S28	✓	✓
MATSORT!	NOT SUPPORTED S28	NOT SUPPORTED S28	✓	✓
MATMOVE!	NOT SUPPORTED S26	NOT SUPPORTED S26	✓	✓
M. SEARCH!	NOT SUPPORTED S29	NOT SUPPORTED S29	S29 MATSEARCH! A$(),"XX" TO A$()	✓
SCRATCHDISK $	NOT SUPPORTED S16	NOT SUPPORTED S16	✓	TESTED ✓
LIST SELECT	NOT SUPPORTED S20	TESTED ✓	TESTED ✓	TESTED ✓
SELECT H ON/OFF	NOT SUPPORTED S19	✓	✓	✓
SELECT 3 ON/OFF	NOT SUPPORTED S19	NOT SUPPORTED S19	✓	✓
SELECT T ON/OFF	NOT SUPPORTED S19	✓	✓	✓
PRINT # CPU	NOT SUPPORTED S19	TESTED	TESTED ✓	TESTED ✓
$ROTATE	S19	S19	S19	✓
ROTATE	✓	✓	✓	✓
$MOVE!	NOT SUPPORTED S19	NOT SUPPORTED S19	TESTED ✓	TESTED ✓

C5386

~~TURBO~~ RELEASE # 1.2X

PRAM# C	M14# C E598	M40#
HEAD# C 0	M15# Q EA44	DATA#
GLOB# C 48	M16# C 0064	PROG# C
M01# C 12F0	PACK# Q 10800	M43# C
SNTX# C 3404	CARD# C 1245C	M44#
RUNS# C 4144	RNUM# Q 2874	M49#
M04# C 4640	CRYP# Q	M50#
DEVC# C 50B4	GIOS# C 13310	M55#
M06# C 7150	LIST# C 5088	M60#
EXPR# C 8860	PLOT# Q 7D2C	M90#
M08# C A9B0	M30# C 8284	M91#
ARAY# Q B420	~~M31#~~ C 1A628	M98#
M10# Q B844	M32# C 1BB6C	MATH#
M11# Q C194	M33# 1CBE0	DOSS#
M12# C C980	M35#	TAIL#
M13# C DA60	M36#	

Turbo O/S 1.30
Bug Listing

October 7, 1993

PHASE 1 Bugs:

PERFORMANCE:

*** 1. (29) M41/8916

CPU intensive processes can be severely impacted when upgrading from Turbo O/S 1.1 to O/S 1.18 when running at the same time as certain disk processes. This problem was duplicated as follows: Partition 16 terminals and 16 partitions on 1 MXF with 100K memory. Setup 4 terminals to run the 2200 Instruction Exerciser test,"INSTROC", and 4 running "CPUDEMO1". With just these CPU intensive tasks there is not too much difference:

	1.1	1.18
CPU Benchmark	14-19 seconds/pass	17-20 seconds/pass
Instruction Test	7 min 20 sec/pass approx	8 min 40 sec/pass

Rerun the same test w/ 1 additional W/S running the Disk Benchmark, "BMDIO1P1":

	1.1	1.18
CPU Benchmark	16-19 seconds	39-66 seconds/pass
Instruction Test	8 min 27 seconds/pass	21 min 15 seconds/pass
Disk Benchmark	3 min 17 seconds/pass	24-36 seconds/pass
(no disk test)	TESTING with 1.30 using OLD BUS only.	(disk test running)
CPU Benchmark	172-186 seconds	164-173 seconds/pass
Instruction Test	9 min 36 seconds/pass	8 min 37 seconds/pass

For disk I/O the CS/D DPU Board was used with an internal 140 Meg drive. As can be seen CPU intensive processes seem to have priority on 1.1 where disk I/O seems to have priority on 1.18. The best solution may be if this balance could be set by the customer to best meet their specific needs. Otherwise a better balance is needed. Did testing using old bus with 1.30 and as can be seen in the results above, the old bus is not affected. CRITICAL

DISK RELATED:

* 2. (17) M2/17601 (similar to 4 & 11)

VERIFY does not work properly with the 2275 on the 22C11-HS disk controller. Run the following program:

```
VERIFYT/Dxx,(0,0)A0: PRINT A0
```

A0 should = 0. It does not. P2

** 3. M2/21155

The COPY command will not accept a sector address greater than 65534 whether SELECT 3 is ON or OFF. Returns an 'Illegal Value' error. With SELECT 3 ON this should not be an 'Illegal Value' and obviously if the address given is less than the last sector available to that address, it should successfully execute. To duplicate execute the following command to the appropriate 3 byte address:

```
COPYT/D10,(0,1000)TOT/Dxx,(70000)
```

P2

4.

A 1.2M Floppy if write-protected returns an I93 error on a write. Should return I95, Platter Protected. Same problem with CS/386. P3

SPECIFIC COMMAND RELATED:

5. (21) M2/17455

The INPUT CURSOR command intermittently hangs. Run following program from a 2536DW terminal. This command is not valid on older terminals.

```
10 DIMA$3
20 PRINTHEX(0306):A=0
30 PRINT AT (5,1);HEX(02 05 0F)
40 INPUT CURSOR A$:A=A+1:PRINT AT (10,12);A:GOTO30
```

Program will intermittently hang within 5 minutes. P2

6. (22) M2/17453

LISTS & LISTSD do not work correctly to a system or terminal printer. If printer requires a printer driver it will not linefeed. If printout should take more than 1 screen, 2nd screen does not occur. To duplicate LOAD @GENPART and do a SELECT PRINT 215 or 204 using a PM017 printer with driver installed. Do a LISTS or LISTSD. No problem on 386. P3

MXF:

* 7. (27) M2/17600

The PRINT AT command does not position properly with the MXF in some cases. Run the following examples on the MXF then on the MXE to compare:

Example 1: 10PRINT AT (21,0,);HEX(0A 0A);"TEST" (fails on lines 5 & up)

Example 2: PRINT AT(10,0,);HEX(0A);"TEST" (fails on line 10 only)

In either example, if the HEX(0A) or the last comma within () is removed the problem will likely not occur. P2

OTHER:

8. (47)

If using the Make a Reference List of File Names Utility (Moving a Selected List of Files on newer releases) and after selecting your files, option 4 is used to save the list in a program file, an error A02 occurs on line 30, which is a COM statement. No problem on 386 or VLSI. P2

9. M2/21159

Cannot Halt/Step through a GIO command. When the systems executes a GIO a number of following statements will also execute.

PHASE 2 Bugs:

22C11-HS HIGH SPEED PRINTER PORT:

*** 1. (2) M2/17591

The High Speed printer buffer has a 1 character overflow. If the data string sent to the printer exceeds the remaining space in the buffer a hang occurs. To duplicate run the following using the HS or SCSI printer port:

```
10 $CLEAR215
20 $IFOFF/215,100: SELECT PRINT 215
30 PRINT "A";     (this works)  or 30 PRINT "ABCDE";         (this hangs)
40 B=B+1: SELECT PRINT 005         40 B=B+5: SELECT PRINT 005
50 PRINT AT (2,40);"CHARACTERS SENT TO BUFFER ";B
60 GOTO 20
100 SELECT PRINT 005: PRINT "PRINTER NOT READY": GOTO 20
```

Request R&D set buffer overflow to the printer default, 80 chars, but have it change if the line length is changed. SCSI has same problem, #30. CRITICAL

*** 2. (3) M2/17591

The following program checks for printer Ready and works on the old bus but not on the High Speed port.

```
1 DIM C9$(16)
5 C9$="215"
10 IF ON/215,20:ERROR GOTO 100
20 $OPEN 100,/215:$IF OFF/215,100: $GIOREADPRINTERSTATUS/215,(0100 0201
1212 4000 4000 4000 4000, C9$(2)): IF STR(C9$(2),8,1)=HEX(10)THEN E=1:
ELSE E=0: PRINT "READY": GOTO 200
100 E=-2: PRINT"NOT READY": GOTO 10
200 GOTO 10
```

This program works perfectly with the old bus indicating READY or NOT READY if you deselect the printer. On either the 22C11-HS or -SCSI READY is usually indicated even with no printer connected. If the program is allowed to run while the printer is deselected on either the -HS or -SCSI, within approximately 5-10 minutes the system is hung until the printer is selected. However, when the -HS hangs, NOT READY has printed one time. Never see NOT READY with the -SCSI. CRITICAL

*** 3. (4) M2/17689

A GIO sequence which works with the 386 and on the old bus to determine if the printer is READY or NOT READY if used with the 22C11-HS can cause the disk port on that board to hang or severely slow down. My configuration had a DS at 310 and a PM010 at 215 of the same 22C11-HS.

On the disk port run the following:

```
10 DIM A$(16)
20 X=INT(65023*RND(1))
30 PRINTX
40 DATALOADBAT/D11,(X,L)A$()
50 GOTO 20
```

On 2nd partition run the following:

```
10 Q$=HEX(15): $GIO(7310 0201 0300 1222
4000 4000 4000,Q$)
20 HEXPRINT STR(Q$,8,1)
30 IF STR(Q$,8,1)=HEX(00)THEN 100
40 PRINT"PRINTER NOT READY"
50 GOTO 10
100 PRINT "PRINTER READY"
110 GOTO 10
```

If the printer is NOT READY, NOT READY is printed on the screen but disk performance slows way down. If the printer is READY and the program left running, within a few minutes the printout goes NOT READY and disk access on that board is hung. To clear the hang

without powering off: a. RESET any workstation accessing that disk. b. $CLEAR215 c. Power printer off and on. d. Send something to the print buffer. Disk should be ok. With the -SCSI printer port you always get READY, but disk performance is not affected. CRITICAL

4. (5)
The 22C11-HS printer port will not pass the following data: HEX(0000 FFFF 0000 FFFF). Do not know the particulars of this problem. Could not duplicate on 1.18. Related to VFU code. Reported by K&R Custom S/W. K&R to retest on 1.18 and provide details if still failing. P2

5. (6) M2/17454
After a warm boot, $INIT"SYSTEM", if using a printer with a buffer (PM017) on the 22C11-HS, will get a few garbage characters when first try to print. Appears the printer's buffer does not get cleared when using the 22C11-HS. P3

22C11-HS DISK PORT:

* 6. (49) M8/20512
External DS disk to tape backup is much slower with the 22C11-HS than with an old style disk controller.

MUXing DISKS:

*** 7. M2/17594
Intermittent I90 errors occur if using the 22C11-HS Mux port. The more terminals controllers in the Turbo the more likely the problem. Install 2 MXFs & 2 MXEs in a Turbo & use the 22C11-HS Mux port to talk to a DS through a 2275MUX in a 2nd CPU. If try to boot through the HS Mux port will likely get I90 or hang. If system boots run the following program:

```
10 DIM A$(16)
20 X=INT(RND(1)*65000)
30DATALOADBAT/Dxx,(X,L)A$()
40 Y=INT (RND(1)*65000)
50 DATASAVEBAT/Dxx,(Y,L)A$():GOTO 20
```

CRITICAL

8. (9)
If using the 22C11-HS Mux port during a boot, the 2275MUX becomes locked out from all other CPU's until the booting Turbo gets @GENPART loaded. All other CPU's will hang if try to access disk connected to 2275MUX. P2

9. (11) M2/17452
If power off Turbo with 2275MUX installed, 2275MUX does not get properly cleared with power on. Other CPUs will hang until a RESET is keyed from that CPU or until the Turbo housing the 2275MUX accesses the disk connected to it. P2

10. M2/17527
If run customer level diagnostics from screen where O/S or diagnostics is selected during boot using a 22C80 (210-7715) to a 2275MUX, other users on other CPU's using the same 2275MUX are locked out. P3

PHASE 3 Bugs:

SELECT H:

*** 1. (25) P2/17451

If 2 partitions are constantly accessing same DS, 1 with SELECT H ON, the partition using SELECT H ON will hang until the 2nd partition finishes. Must use 22C11-HS. Run following programs:

```
partition 1
10 SELECT H ON: $OPEN/D11: DIM A$(16): X=INT(RND(1)*30000):
DATALOADBAT/D11,(X,L)A$():PRINT X;:$CLOSE:GOTO 10
partition 2
10DIMA$(16): X=INT(RND(1)*30000):DATALOADBAT/D12,(X,L)A$(): PRINT X;: GOTO
10
```

P1

MXF:

* 2. (26)

MXF Octopus ports will not give a DTR indication to a modem. Therefore they will not support a remote terminal. Ports 1 and 2 are OK. P1

* 3. (46)

If RESET is keyed during a GIO/005 command to an MXF port, intermittently subsequent GIO commands will no longer execute or will hang the port. Must reboot to correct. Problem is more persistent with ports 2-16. Use the following program to duplicate:

```
10 DIM Q$104,I$(24)80: PRINT HEX(03 06)
20 Q$=ALL(09): STR(q$,1,24)=ALL(0A): STR(Q$,25,1)=HEX(00)
30 FOR A=1 TO 24: I$(A)="This is a test    line          , please press
RESET": CONVERT A-1 TO STR(I$(A),27,2),(##): NEXT A
40 FOR A=1 TO 23: STR(I$(A),79,2)=HEX(0D 0A): NEXT A
50 P$=HEX(40 01 A2 00 1A 00 A2 00)
60 $GIO/005 (P$)Q$ 25,1 ;I$()     (less than sign after Q$, grter than
after 1)
70 GOTO 60
```

Run program & 1st time ok. Key RESET and run again and repeat until fails. P1

4. (28)

Need MXF TC functions to work. Should have the following functions: Terminal in TC or normal mode, 10 or 11 bit protocol, XON/XOFF flow control. P3

OTHER:

5. (48)

If using 2 22C11-HS Controllers, the 2nd 22C11-HS always fails the 'System Interface Card Test on the first pass only. To duplicate install 2 22C11-HS Controllers using addr's 310 and 330. On boot select diags instead of O/S. First pass only of the 'System Interface Card Test' will fail. P3

6. (29a)

If booting from a MXE or MXD and SHIFT/RESET is keyed to bypass the boot diagnostics, you must release the SHIFT key and press it again to get RESET to work with 'Mount System Platter, Press Reset'. You do not have to release the SHIFT key with the MXF board. P3

MODULES - ADDRESS ORDERED LIST

```
00000001 M32#A.ASM       TSTATRSI
00000002 M32#A.ASM       TSTATCSI
00000010 M42#A.ASM       SAWM
00000008 M32#A.ASM       TSTATSI
00000080 M32#A.ASM       TSTAT2ND
00000012 HEADR#B.ASM     CSVER
00000C2A HEADR#B.ASM     HOG_TABLE
00000C3A HEADR#B.ASM     CLOSE_TBL
00001467 HEADR#B.ASM     _CSOS
00001465 HEADR#B.ASM     _OSREL
00002EDC M01#A.ASM       BOOT_ID
00002EDE M01#A.ASM       PRIME
00003026 M01#A.ASM       PRIME3
00003144 M01#A.ASM       PRIME4
00003153 M01#A.ASM       START
0000320A M01#A.ASM       RESET
00003176 M01#A.ASM       CLEARXA
0000342B M01#A.ASM       ENTERA
00003435 M01#A.ASM       ENTERF
00003441 M01#A.ASM       ENTER
000035F2 M01#A.ASM       PROCST
00003727 M01#A.ASM       THREADL
00003665 M01#A.ASM       VJUMP
000037BF M01#A.ASM       NXTLOW
00003812 M01#A.ASM       UNTHREAD
0000396B M01#A.ASM       UNTHRD89
00003A87 M01#A.ASM       ENDSTMTZ
00003A61 M01#A.ASM       ENDSTIOZ
00003AC4 M01#A.ASM       ENDSTMTS
00003B02 M01#A.ASM       ENDSDISK
00003B14 M01#A.ASM       ENDSTIO
00003B49 M01#A.ASM       ENDSTMTF
00003B26 M01#A.ASM       ENDSTMT
00003B64 M01#A.ASM       ERROR_20
00003B70 M01#A.ASM       ENDSTMTC
00003C33 M01#A.ASM       ENDSTMTA
00003C4F M01#A.ASM       ENDSTHLT
00003C77 M01#A.ASM       ENDSTMT9
00003CC0 M01#A.ASM       ENDSTMTB
00003D03 M01#A.ASM       ENDSTMTG
00003D53 M01#A.ASM       ENDSTM10
00003D72 M01#A.ASM       ERRB_36
00003F14 M01#A.ASM       FINDGRTH
00003E5C M01#A.ASM       GR_THRDS
00003F96 M01#A.ASM       FINDST
00003F7F M01#A.ASM       FINDSTI
00003FA2 M01#A.ASM       FINDST2
00003FF1 M01#A.ASM       INITTEXT
```

12F2

1567

161E

2449

```
00004034 M01#A.ASM       ERROR
0000402D M01#A.ASM       SETERRP
000040AA M01#A.ASM       ERRORC
00004299 M01#A.ASM       ERRORP
000040C0 M01#A.ASM       ERRORN
000042E6 M01#A.ASM       ERR_00
0000437F M01#A.ASM       ERR_01P
00004418 M01#A.ASM       ERR_01
00004454 M01#A.ASM       ERRMSG
00004429 M01#A.ASM       ERR_02
0000453F M01#A.ASM       ERR$FNC
000045AD M01#A.ASM       LISTM
000045ED M01#A.ASM       ERRTYPE
00004658 M01#A.ASM       PRTCTERR
00004689 M01#A.ASM       DISKERR
000046A8 M01#A.ASM       MATHERR
000048F9 M01#A.ASM       IMMEDERR
00004908 M01#A.ASM       ERROR_07
00004914 M01#A.ASM       LONGLINE
00004BFD M01#A.ASM       INITSTKA
00004BC8 M01#A.ASM       ERROR_05
00004C22 M01#A.ASM       INITSTKB
00004C5E M01#A.ASM       INITSTKS
00004C6C M01#A.ASM       SAVESTKS
00004C93 M01#A.ASM       RSTRSTKS
00004CBC M01#A.ASM       RESCHK
00004CE9 M01#A.ASM       UNRESLVI
00004CE4 M01#A.ASM       UNRESLVS
00004D9D M01#A.ASM       ENDDISK
00004CFD M01#A.ASM       DSBLPRGM
00004DA3 M01#A.ASM       ENDDISKR
00004DAD M01#A.ASM       FREEDISK
00004F85 M01#A.ASM       LOWUPCH
00004E6F M01#A.ASM       UPLINE
00004FE0 M02#A.ASM       LETRDIGT
00004FF2 M02#A.ASM       DIGIT
0000501B M02#A.ASM       LETTER
0000501D M02#A.ASM       LETTERA
00005044 M02#A.ASM       @LETTER
000050BA M02#A.ASM       HEXDIGIT
000050BA M02#A.ASM       HEXDIGTA
00005109 M02#A.ASM       SCNCHSS
00005110 M02#A.ASM       SCANCHA
0000514A M02#A.ASM       SCANCHBX
0000521D M02#A.ASM       CCL
00005351 M02#A.ASM       SQZTEXTL
0000528D M02#A.ASM       CCNL
00005381 M02#A.ASM       CCJ
0000536B M02#A.ASM       SQZTEXT
000053F4 M02#A.ASM       CCJE
0000548A M02#A.ASM       LINE_
```

```
0000545E M02#A.ASM      LINE_REF
00005655 M02#A.ASM      ERROR_11
00005661 M02#A.ASM      ERROR_10
00005679 M02#A.ASM      ERROR_13
0000566D M02#A.ASM      ERROR_12
00005691 M02#A.ASM      NXTCHEOS
00005685 M02#A.ASM      ERRC_20
000056D9 M02#A.ASM      ERROR_19
000056C0 M02#A.ASM      CCLTO
000056E5 M02#A.ASM      CCLFROM
000056FD M02#A.ASM      INTEGER
0000578A M02#A.ASM      ERROR_34
00005796 M02#A.ASM      SWITCHA
000057C1 M02#A.ASM      DEVADDRS
000057A8 M02#A.ASM      SWITCH
000057F8 M02#A.ASM      HEXPAIR
000057DC M02#A.ASM      DEVADDR
00005841 M02#A.ASM      LN_RANGE
00005835 M02#A.ASM      ERROR_17
00005873 M02#A.ASM      LN_RANGA
000058CD M02#A.ASM      CCJB
00005959 M02#A.ASM      VARNAME
00005979 M02#A.ASM      VARNAMEA
00005B2C M02#A.ASM      VARNAMEB
00005BB1 M02#A.ASM      VERBCHK
00005C51 M02#A.ASM      RELOP
00005C37 M02#A.ASM      ERROR_08
00005CBF M02#A.ASM      ERROR_18
00005CCC M03#A.ASM      CONTINUE
00005CFE M03#A.ASM      STEP
00005E00 M03#A.ASM      CLEAR
00005F05 M03#A.ASM      RUN
00006072 M03#A.ASM      RUNB
00006109 M03#A.ASM      ERRC_34
000060FD M03#A.ASM      ERRB_35
000061A8 M04#A.ASM      DEFFN
00006260 M04#A.ASM      ERR_16B
000062F8 M04#A.ASM      ERR_34D
000062FD M04#A.ASM      DEFN?QUADD
00006343 M04#A.ASM      LET
000063C3 M04#A.ASM      LETA
00006423 M04#A.ASM      ERR_29H
00006428 M04#A.ASM      REMCO
00006428 M04#A.ASM      REMNULL
0000642D M04#A.ASM      REM
0000650B M04#A.ASM      GOTOB
00006497 M04#A.ASM      GOTO
000065DF M04#A.ASM      GOSUBA
0000657C M04#A.ASM      GOSUB
0000664F M04#A.ASM      GOSUBP
000066F9 M04#A.ASM      GOSUBPI
```

```
00006661 M04#A.ASM       ERR_34C
00006816 M04#A.ASM       PASSARG
00006877 M04#A.ASM       IF_
00006979 M04#A.ASM       IFB_
00006974 M04#A.ASM       IFF
00006A1C M04#A.ASM       DO
000069B2 M04#A.ASM       ELSE_
00006A50 M04#A.ASM       END_
00006B11 M04#A.ASM       ERRSTMT
00006AE0 M04#A.ASM       ENDDO
00006B56 M04#A.ASM       DOCHECK
00006B78 M04#A.ASM       SKIPDO
00006B6C M04#A.ASM       ERROR_31
00006B8A M04#A.ASM       SKIPDOG
00006C2C M05#A.ASM       CPRNTCRX
00006BCB M04#A.ASM       NEXTSTMT
00006C4B M05#A.ASM       CPRNTCR
00006C3D M05#A.ASM       CPRNTCRZ
00006C58 M05#A.ASM       PRNTCR
00006C9C M05#A.ASM       PRNTCR5
00006EC1 M05#A.ASM       ENBLDVX7
00006FF8 M05#A.ASM       DEVICEG
00006F24 M05#A.ASM       ENBLDEVD
000070E8 M05#A.ASM       DEVSPEC
0000707F M05#A.ASM       DEVICET
0000717B M05#A.ASM       DISABLE
00007125 M05#A.ASM       DEVSPECT
000071AE M05#A.ASM       ENBLNLLDH
00007182 M05#A.ASM       ENBLNLLD
000071C6 M05#A.ASM       ENBLNULL
000072FB M05#A.ASM       DELAY10
00007300 M05#A.ASM       DELAY5
00007305 M05#A.ASM       DELAY2?PD6
0000732E M05#A.ASM       FILE_A
000073CF M05#A.ASM       FILE_A5
00007339 M05#A.ASM       FILE_B
000073D7 M05#A.ASM       FILE_PTR
00007403 M05#A.ASM       BADDRESS
000073E0 M05#A.ASM       FILE_ADR
00007547 M05#A.ASM       ENBLCNT
000074A7 M05#A.ASM       RESETDSK
000075F7 M05#A.ASM       ENBLCNT3
0000767A M05#A.ASM       ACKDISCT
0000762E M05#A.ASM       ENBLCNTA
000076FC M05#A.ASM       ENBLDEVI
0000770D M05#A.ASM       ENBLDEVG
00007811 M05#A.ASM       ENBLDEVB
000077ED M05#A.ASM       ENBLDEVA
00007827 M05#A.ASM       ENBLLIST
0000783D M05#A.ASM       ENBLSCO
00007853 M05#A.ASM       ENBLCO
```

```
0000795F M05#A.ASM        SDRVRDEV
0000785F M05#A.ASM        ENBLDEVO
00007B51 M05#A.ASM        OBSTROBE
00007B9E M05#A.ASM        OBSNT
00007B64 M05#A.ASM        OBSTROBD
00007BBD M05#A.ASM        OBSNR
00007BD4 M05#A.ASM        CBSTROBE
00007BC8 M05#A.ASM        OBSNTC
00007C06 M05#A.ASM        CBSNR
00007C38 M05#A.ASM        OBSBLK
00007C11 M05#A.ASM        CBSNT
00007C5A M05#A.ASM        OBSN09
00007CAE M05#A.ASM        OBSCMPRS
00007CA7 M05#A.ASM        OBSCMPSP
00007D2F M05#A.ASM        OBSBLKNT
00007D4E M05#A.ASM        WAITIBS
00007D8E M05#A.ASM        WAITIBSE
00007DBB M05#A.ASM        ERROR92
00007D94 M05#A.ASM        WAITIBSF
00007E1D M05#A.ASM        WAITRDYB
00007DD1 M05#A.ASM        IBSENDIB
00007ED8 M05#A.ASM        CHKDVRB
00007F2B M05#A.ASM        WAIT50RBX
00007F3F M05#A.ASM        WAIT16RB
00007F35 M05#A.ASM        WAIT50RB
00007F92 M05#A.ASM        WRTLIN_4
00007F49 M05#A.ASM        WAITRDY
00007F60 M05#A.ASM        WRTLINE_
00007FE1 M05#A.ASM        WORDLENA
00007FB5 M05#A.ASM        WRTLIN_2
0000801A M05#A.ASM        PRINTVA
00008021 M05#A.ASM        PRINTV
000080AF M05#A.ASM        TWRITE3X
00008094 M05#A.ASM        TWRITEP
000080C7 M05#A.ASM        TWRIT6SP
000080BB M05#A.ASM        TWRITE0C
000080CC M05#A.ASM        TWRIT4SP
000080D6 M05#A.ASM        TWRIT2SP
000080D1 M05#A.ASM        TWRIT3SP
0000817C M05#A.ASM        TWRT30SP
000080DB M05#A.ASM        TWRITESP
0000818E M05#A.ASM        TWRITNSP
000080E2 M05#A.ASM        TWRITE
000081B0 M05#A.ASM        TWRITEMN
000081C8 M05#A.ASM        DISPATTR
000081BC M05#A.ASM        TWRITCOL
00008203 M05#A.ASM        TWRITE0F
00008215 M05#A.ASM        TAB16
00008210 M05#A.ASM        TAB16A
00008221 M05#A.ASM        ATCOL0E
00008228 M05#A.ASM        ATCOL
```

```
00008240 M05#A.ASM       WRTWORD
00008245 M05#A.ASM       WRTBLK
00008263 M05#A.ASM       WRTBLKB
00008299 M05#A.ASM       WRTWORDF
0000827B M05#A.ASM       WRTBLKP
000082AB M05#A.ASM       WRTDADDR
000082B2 M05#A.ASM       WRTDADRF
00008351 M05#A.ASM       TRACEVAR
000082E4 M05#A.ASM       CNSLMSG
0000832A M05#A.ASM       TRACEVRA
00008394 M05#A.ASM       WRTVNAME
0000839F M05#A.ASM       WRTVNAMF
00008428 M05#A.ASM       A$TRACE
000084E0 M05#A.ASM       TRACELIN
000084F0 M05#A.ASM       TRACELNA
0000856C M05#A.ASM       TRACELNB
0000859A M05#A.ASM       WRTVAL
000085A1 M05#A.ASM       WRTVALA
000085F2 M05#A.ASM       WRTNIB
000085BC M05#A.ASM       WRTVAL8
00008631 M05#A.ASM       WRTHEX
000085C3 M05#A.ASM       WRTVAL16
00008675 M05#A.ASM       WRTHEXCH
000086FC M05#A.ASM       WRT@
0000868B M05#A.ASM       WRTHEXS
00008721 M05#A.ASM       WRT@ORSP
000086C0 M05#A.ASM       WRTHEXB
00008736 M05#A.ASM       SRCHPLT
000087A1 M05#A.ASM       CLOSE_OPEN
00008876 M05#A.ASM       CLEAR_OPEN
000089E1 M05#A.ASM       INIT_CLOSE
000089FC M05#A.ASM       CLOSE_OPENX
00008B4F M05#A.ASM       X2222
00008AA9 M05#A.ASM       X1111
00008B5A M05#A.ASM       CLEAR_80
00008E28 M06#A.ASM       ERROR_02
00008E1C M06#A.ASM       ERROR_04
00008E2D M06#A.ASM       RECNUM
00008E3F M06#A.ASM       RECEVX
00008E32 M06#A.ASM       RECEV
00008E63 M06#A.ASM       RECEV2
00008EA6 M06#A.ASM       RECEVPC
00008ED1 M06#A.ASM       TRLINE
00008EFF M06#A.ASM       ERROR_21
00008EED M06#A.ASM       TRLINE_A
00008F0B M06#A.ASM       TRLINE_B
00008FB0 M06#A.ASM       TRLINE_1
00008FE8 M06#A.ASM       FLTBINSA
00009036 M06#A.ASM       FLTBINA
000091DB M06#A.ASM       FLTBN
00009063 M06#A.ASM       FLTBINB
```

```
0000907C M06#A.ASM      FLTBIN
00009293 M06#A.ASM      FLTBNL
00009284 M06#A.ASM      FLTBNC
000092D7 M06#A.ASM      FLTBNCCC
00009352 M06#A.ASM      BINFLT
0000934B M06#A.ASM      BINFLTA
00009378 M06#A.ASM      BINDEC
0000941E M06#A.ASM      BNFLTX
00009453 M06#A.ASM      BNFLTXXX
00009492 M06#A.ASM      DVAR
000094B8 M06#A.ASM      ERROR_16
000097F2 M06#A.ASM      ERROR_50
00009740 M06#A.ASM      ERROR_59
0000982F M06#A.ASM      FINDDEFC
00009835 M06#A.ASM      FINDDEFD
000098DC M06#A.ASM      FINDDEF@
0000988F M06#A.ASM      FINDDEFX
00009964 M06#A.ASM      ONBRANCH
000098E1 M06#A.ASM      FINDDFA@
00009973 M06#A.ASM      SBPCS
00009B61 M06#A.ASM      REL
00009975 M06#A.ASM      RELEXPR
00009C25 M06#A.ASM      RELA_B
00009C9E M06#A.ASM      RELALPHB
00009C72 M06#A.ASM      RELA_E
00009CE4 M06#A.ASM      RELALPHC
00009DF6 M06#A.ASM      CONSOLEP
00009DCB M06#A.ASM      CONSOLEA
00009E3B M06#A.ASM      CONSOLE
00009E7F M06#A.ASM      FINDVAR
00009EB2 M06#A.ASM      FINDVARL
00009F7B M06#A.ASM      ADDVAR
00009FC8 M06#A.ASM      ERROR_55
0000A004 M06#A.ASM      ADDVAR6
0000A1AA M06#A.ASM      ERROR_01
0000A218 M06#A.ASM      CLEARN
0000A1E2 M06#A.ASM      INITVAR
0000A262 M06#A.ASM      NEXTVAR
0000A300 M06#A.ASM      ALIGN_0
0000A29C M06#A.ASM      NEXTVARL
0000A4EC M07#A.ASM      EXPR
0000A5F3 M07#A.ASM      TERM
0000A764 M07#A.ASM      ERROR_24
0000A689 M07#A.ASM      TERM98
0000A770 M07#A.ASM      EVAL
0000A82B M07#A.ASM      VARR
0000A832 M07#A.ASM      VAR
0000A87A M07#A.ASM      VARB
0000A852 M07#A.ASM      VARA
0000A9B1 M07#A.ASM      SNUMBER
0000A8A7 M07#A.ASM      VAR9
```

```
0000AB40 M07#A.ASM       NMBR
0000A9E1 M07#A.ASM       NUMBER
0000AE54 M07#A.ASM       NMBR30
0000AB4A M07#A.ASM       SNMBR
0000AEA6 M07#A.ASM       ERROR_75
0000AF2E M07#A.ASM       NMBR14
0000B28B M07#A.ASM       NMBR11
0000B218 M07#A.ASM       CCXX
0000B2D8 M07#A.ASM       NMBRINIT
0000B332 M07#A.ASM       NMBRCH
0000B348 M07#A.ASM       FUNCTION
0000B42D M07#A.ASM       SPACEK
0000B37C M07#A.ASM       ARC
0000B3D9 M07#A.ASM       FNCSPC
0000B490 M07#A.ASM       SPACEKA
0000B49D M07#A.ASM       SPACESK
0000B4DE M07#A.ASM       SPACES
0000B531 M07#A.ASM       FNC_PI
0000B5B3 M07#A.ASM       FNCEND
0000B576 M07#A.ASM       FNCERR
0000B612 M07#A.ASM       FNCMOD
0000B5C2 M07#A.ASM       ENDSP
0000B656 M07#A.ASM       FNCRD
0000B715 M07#A.ASM       FNCMAX
0000B6A5 M07#A.ASM       LEN
0000B794 M07#A.ASM       MXMNARGX
0000B759 M07#A.ASM       FNCMIN
0000B79B M07#A.ASM       MXMNARG
0000B868 M07#A.ASM       VAL
0000B85C M07#A.ASM       ERROR_74
0000BB28 M07#A.ASM       NUM
0000BB17 M07#A.ASM       ERROR_51
0000C001 M07#A.ASM       POS
0000BDB8 M07#A.ASM       FNCVER
0000C1D8 M07#A.ASM       FUNCFN
0000C38E M07#A.ASM       FINDFNC
0000C3D4 M07#A.ASM       FN_
0000C45E M07#A.ASM       FN_ID
0000C548 M08#A.ASM       STOP
0000C61F M08#A.ASM       STOP_
0000C731 M08#A.ASM       DIM
0000C665 M08#A.ASM       COM
0000C78C M08#A.ASM       SLCTMORE
0000C7C8 M08#A.ASM       SELECTA
0000C7DA M08#A.ASM       SELECT
0000C7E4 M08#A.ASM       SELECTB
0000C98F M08#A.ASM       SLCTCI
0000C963 M08#A.ASM       SLCTCO
0000C9D0 M08#A.ASM       SLCTPLOT
0000C9E6 M08#A.ASM       SLCTTAPE
0000C9F7 M08#A.ASM       SLCTDISK
```

```
0000CA19 M08#A.ASM       SLCTG
0000CA0D M08#A.ASM       SLCTD
0000CA25 M08#A.ASM       SLCTR
0000CA53 M08#A.ASM       SLCTP
0000CC76 M08#A.ASM       ERROR_48
0000CC82 M08#A.ASM       SLCTDRVR
0000CE52 M08#A.ASM       SLCTADDR
0000CEA4 M08#A.ASM       SLCTADR5
0000CE85 M08#A.ASM       SLCTADRA
0000CF96 M08#A.ASM       ERR_17C
0000CECB M08#A.ASM       SLCTADR1
0000CFA4 M08#A.ASM       SLCTADRO
0000D00C M09#A.ASM       ARAYEL
0000CFC5 M08#A.ASM       SLCTLEN
0000D15E M09#A.ASM       ARAYELB
0000D286 M09#A.ASM       ARAYELA
0000D2A7 M09#A.ASM       ERROR_56
0000D2D7 M09#A.ASM       ERR_55A
0000D30C M09#A.ASM       ARRAY
0000D2DC M09#A.ASM       ARAYELP
0000D34E M09#A.ASM       ARRAYA
0000D41C M10#A.ASM       ANVARR
0000D3DA M09#A.ASM       ARRAY2
0000D4B3 M10#A.ASM       ALPHA
0000D4BA M10#A.ASM       ALPHA1
0000D526 M10#A.ASM       AVARR
0000D51A M10#A.ASM       AVARD
0000D52D M10#A.ASM       AVAR
0000D5F6 M10#A.ASM       AVARV
0000D60F M10#A.ASM       AVAR1
0000D78B M10#A.ASM       STRFNC
0000D7E9 M10#A.ASM       ERROR_29
0000D944 M10#A.ASM       LITERAL
0000D938 M10#A.ASM       ERROR_57
0000DB2E M10#A.ASM       ERR_17D
0000D9FE M10#A.ASM       ERROR_23
0000DB53 M10#A.ASM       ARECEV
0000DB5C M10#A.ASM       ARECEVX
0000DBB0 M10#A.ASM       ARECEVAL
0000DC6D M10#A.ASM       LTRLQT
0000DCE0 M10#A.ASM       CURLENA
0000DD27 M10#A.ASM       AVARL2A
0000DD66 M10#A.ASM       CHARCTR
0000DCE6 M10#A.ASM       CURLEN
0000DDA8 M11#A.ASM       ON
0000DD2E M10#A.ASM       AVARL2
0000DDA3 M10#A.ASM       ERR_17A
0000DFB3 M11#A.ASM       ROTATE
0000DF5F M11#A.ASM       ONSCAN
0000E20A M11#A.ASM       RESTORE
0000E1B8 M11#A.ASM       READ
```

```
0000E36D M11#A.ASM      NXTDVL
0000E330 M11#A.ASM      ERR_75C
0000E3F5 M11#A.ASM      NXTDVLA
0000E46D M11#A.ASM      ERROR_70
0000E479 M11#A.ASM      GETDATA
0000E59C M12#A.ASM      TRACE
0000E516 M11#A.ASM      DATA_
0000E64B M12#A.ASM      TRACENBL
0000E6CA M12#A.ASM      TRACDSBL
0000E6F7 M12#A.ASM      RETURN
0000E89B M12#A.ASM      ERROR_41
0000E95E M12#A.ASM      PRINT
0000EB03 M12#A.ASM      PRINTBEG
0000EACF M12#A.ASM      PRINTEND
0000EB49 M12#A.ASM      PRNTTAB
0000EBDF M12#A.ASM      PRNTAT
0000EC36 M12#A.ASM      ERR_34G
0000EDF1 M12#A.ASM      ROWCOL
0000EF9D M12#A.ASM      PRNTHEX
0000EE3F M12#A.ASM      PRNTBOX
0000EFEF M12#A.ASM      PRNTHX
0000EFAF M12#A.ASM      ERR_29C
0000F058 M12#A.ASM      INPUT
0000F05D M12#A.ASM      INPUT6
0000F08B M12#A.ASM      INPUT1
0000F0B0 M12#A.ASM      INPUTA
0000F0CB M12#A.ASM      GETINPUT
0000F0F5 M12#A.ASM      GETINPT2
0000F16B M12#A.ASM      NXTINPT
0000F286 M12#A.ASM      INPER_75
0000F30E M12#A.ASM      INPUTSUB
0000F38D M12#A.ASM      RETURNP
0000F37B M12#A.ASM      ILLSTMT
0000F3DA M12#A.ASM      VVFMT
0000F3C9 M12#A.ASM      VVFMTB
0000F4B1 M12#A.ASM      FIX_FMT
0000F3E0 M12#A.ASM      VVFMTA
0000F677 M12#A.ASM      WORK_BUFFER
0000F690 M13#A.ASM      ALPHEXPR
0000F7B0 M13#A.ASM      ERR_29G
0000F83B M13#A.ASM      CONCAT
0000F958 M13#A.ASM      OPERAND$
0000F9B4 M13#A.ASM      OPERND1$
0000F9DB M13#A.ASM      BINFNC
0000F9C2 M13#A.ASM      BINFUNC
0000FC0C M13#A.ASM      MSGFUNC
0000FD0B M13#A.ASM      ALLFUNC
0000FD83 M13#A.ASM      ERR_19A
0000FD51 M13#A.ASM      OPRATOR$
0000FE4A M13#A.ASM      OPLGCL
00010071 M13#A.ASM      SLCTFNC
```

```
0000FF6A M13#A.ASM      OPARITH
0001023C M14#A.ASM      AND_
0001024B M14#A.ASM      OR_
00010267 M14#A.ASM      BOOL
00010259 M14#A.ASM      XOR_
000102A1 M14#A.ASM      ADD_
000102C9 M14#A.ASM      DMFARG
00010394 M14#A.ASM      INIT
000102E6 M14#A.ASM      ERR_29E
00010410 M14#A.ASM      HEXPRINT
000104F3 M14#A.ASM      ONERROR
00010492 M14#A.ASM      BIN
0001058A M14#A.ASM      ONERR
00010585 M14#A.ASM      ERR_19E
000106EC M15#A.ASM      CONVERT
000106E0 M14#A.ASM      ERROR08C
000108AB M15#A.ASM      IMAGE
0001089F M15#A.ASM      ERROR_71
00010A2F M15#A.ASM      PRINTU32
000108C7 M15#A.ASM      PRNTUSNG
00010ECB M15#A.ASM      IMAGE_
00010BF8 M15#A.ASM      PRINTU31
0001127D M15#A.ASM      CVTALPHA
00010C35 M15#A.ASM      ERR_29D
000116BD M15#A.ASM      PACK
0001160D M15#A.ASM      ADJEXP
00011B17 M15#A.ASM      ERR_75B
00011978 M15#A.ASM      UNPACK
00011C45 M15#A.ASM      CPIMAGE
00011BAB M15#A.ASM      ERROR_76
00011D28 M16#A.ASM      BINVAL
00011D0F M15#A.ASM      ERROR_42
00011D77 M16#A.ASM      IOBUFTXT
00011DB8 M16#A.ASM      ERROR_03
00011DC4 M16#A.ASM      ALPHINL
00011EBF M16#A.ASM      ERROR_15
00011DD6 M16#A.ASM      ALPHIN
00011ED0 M16#A.ASM      NXTSEP
00011EF9 M16#A.ASM      $BIN
00011F30 M16#A.ASM      ALPHARAY
00011F75 M16#A.ASM      ERROR_28
00011F81 M16#A.ASM      ERR_51C
00011FA2 M16#A.ASM      PUTHEX
00011F86 M16#A.ASM      HEXFIX
00011FC6 M16#A.ASM      MOVEELMT
00011FFD M16#A.ASM      INITELM1
00011FDE M16#A.ASM      EXCHELMT
00012030 M16#A.ASM      ARRAYN
00012013 M16#A.ASM      INITELMT
00012079 M16#A.ASM      ERROR_27
000120AC M16#A.ASM      MOVEVALF
```

```
00012085 M16#A.ASM       MOVEVALU
000120D2 M16#A.ASM       BINEXP
0001210A M16#A.ASM       MATDSPLA
0001211A M16#A.ASM       AVARB
0001215E M16#A.ASM       RCVASCII
0001215D M16#A.ASM       AVARB2
00012226 M16#A.ASM       ERR_75P
0001222B M16#A.ASM       ARGUMNTR
00012361 M16#A.ASM       ARGUMENT
0001242C M16#A.ASM       NUMCH
000124D7 M16#A.ASM       DEF1STMT
00012510 M17#A.ASM       $PACK
00012508 M16#A.ASM       ERR_08A
0001260D M17#A.ASM       $UNPACK
00012758 M17#A.ASM       $PACKD
00012934 M17#A.ASM       ERROR_58
0001281F M17#A.ASM       $UNPAKD
000129DB M17#A.ASM       $PACKF
00012F24 M17#A.ASM       $PACKFB
000137AC M17#A.ASM       FORMAT
000139EF M17#A.ASM       ERR_34Q
000139F4 M17#A.ASM       ERR_51Q
000139F9 M17#A.ASM       ERR_29Q
000139FE M17#A.ASM       ERR_19Q
00013C8D M17#A.ASM       ERR_75A
00013A03 M17#A.ASM       $UNPAKF
00013D2D M17#A.ASM       $UNPAKF3
00013CC8 M17#A.ASM       $UNPAKF8
00013FE7 M17#A.ASM       ERR_74
00014014 M17#A.ASM       HEXPACK
00014037 M17#A.ASM       ERR_29F
000140D7 M17#A.ASM       ERR_51B
000140DC M17#A.ASM       ERR_17B
00014165 M17#A.ASM       HEXSTMT
000140E1 M17#A.ASM       HEXUNPAK
000141B8 M18#A.ASM       DATALDBT
0001441C M18#A.ASM       DATASVBT
0001452E M18#A.ASM       READPTL
0001446D M18#A.ASM       DATALD
00014B78 M24#A.ASM       DCRYPT
0001466A M23#A.ASM       RENUMBER
0001506C M26#A.ASM       $STMT
00014E7A M24#A.ASM       NCRYPT
00015217 M26#A.ASM       TRAN
000150C6 M26#A.ASM       $IF
0001583A M26#A.ASM       GIOC12
0001544E M26#A.ASM       GIO
00015B0B M26#A.ASM       GIOC1B
00015C6E M26#A.ASM       GIOC40
00015E10 M26#A.ASM       GIOC80
00015CBF M26#A.ASM       GIOC70
```

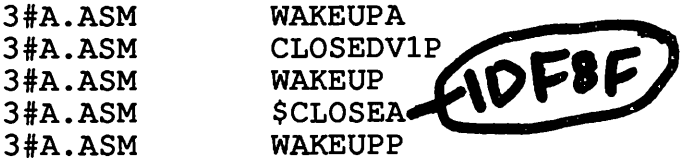
PACKL

```
00015F6D M26#A.ASM      ATOMERR
000162DF M26#A.ASM      GIOCC0
00015F8D M26#A.ASM      GIOCA0
000165ED M26#A.ASM      GIOCS20
00016705 M26#A.ASM      STATUS
00016724 M26#A.ASM      STATCNT
00016792 M26#A.ASM      REGSAVE
00016807 M26#A.ASM      REGLOAD
00016842 M26#A.ASM      REGLOADC
00016859 M26#A.ASM      STROBEK
00016847 M26#A.ASM      REGLOADB
00016863 M26#A.ASM      STROBE
000169F0 M26#A.ASM      STROBE70
00016AA0 M26#A.ASM      WAITINK
00016C72 M26#A.ASM      TIMEOUT
00016AF4 M26#A.ASM      WAITIND
00016D85 M26#A.ASM      DELAY10T
00016CED M26#A.ASM      COMMAND
00016DB8 M27#A.ASM      LIST
0001716C M27#A.ASM      LISTEND
000170AC M27#A.ASM      LIST51
0001716C M27#A.ASM      LISTDONE
000171A9 M27#A.ASM      UNLISTV
000171B9 M27#A.ASM      UNLISTVA
000171EF M27#A.ASM      PRNTLINE
0001725D M27#A.ASM      LISTLINE
00017785 M27#A.ASM      LISTLNF
000172E8 M27#A.ASM      LISTLINS
00017803 M27#A.ASM      GETNLCHS
000177C3 M27#A.ASM      GETNLCH
0001780E M27#A.ASM      LISTLN_
00017962 M27#A.ASM      LIST_
00017909 M27#A.ASM      ERRLIST
00017C5B M27#A.ASM      NEXTGO?QUA
00017AE5 M27#A.ASM      LISTIT
00017C79 M27#A.ASM      NEXTGO?QU
00017CAC M27#A.ASM      PRNTDEF
00017D30 M27#A.ASM      NEXTREFA
00017D1E M27#A.ASM      NEXTREFS
00017D7D M27#A.ASM      LISTV
00017D50 M27#A.ASM      NEXTREF
00017F0F M27#A.ASM      LSTVENDL
00018144 M27#A.ASM      GETLINE_
0001805F M27#A.ASM      LISTVAR
0001815A M27#A.ASM      PRNTREF
0001814A M27#A.ASM      BUMPREAD
000181CB M27#A.ASM      TXTSETA
000181D9 M27#A.ASM      LIST?QU
000181CD M27#A.ASM      TXTSETB
00018452 M27#A.ASM      LISTT30
00018492 M27#A.ASM      LISTT
```

```
0001857C M27#A.ASM      LISTTA
00018BA0 M27#A.ASM      LISTDTX
000186B3 M27#A.ASM      LISTDVT
00018BC7 M27#A.ASM      LISTDTXX
00018E75 M27#A.ASM      LDTWIDTH
00018C97 M27#A.ASM      LISTDRVR
00018EDC M27#A.ASM      LDTSCTR
00018EEB M27#A.ASM      LISTCOM
00018F27 M27#A.ASM      LISTDIM
000199B4 M27#A.ASM      LCPRNTCR
000199C8 M28#A.ASM      PLOT
00019F14 M30#A.ASM      SORT
0001A49F M30#A.ASM      MATCOPY
0001B426 M30#A.ASM      MERGE
0001A797 M30#A.ASM      SEARCH
0001AA10 M30#A.ASM      MATMOVE
0001B95F M30#A.ASM      ERROR_26
0001B970 M30#A.ASM      ERR_28S
0001B96B M30#A.ASM      ERR_51S
0001B975 M30#A.ASM      ERR_50S
0001B97F M30#A.ASM      ERR_55S
0001B97A M30#A.ASM      ERR_29I
0001B984 M30#A.ASM      SRCHALPH
0001BB99 M30#A.ASM      ERR34
0001BADB M30#A.ASM      FIELD
0001BBF5 M30#A.ASM      POSARR1
0001BC37 M30#A.ASM      COMPARE
0001BC97 M30#A.ASM      ARAYELRP
0001BD26 M30#A.ASM      NAMEA
0001BD47 M30#A.ASM      NAME_
0001BDA1 M30#A.ASM      BITF0
0001BD9C M30#A.ASM      BITTERM_
0001BDC6 M30#A.ASM      NAME2FR_
0001BFF3 M30#A.ASM      OLDTONEW
0001BEC9 M30#A.ASM      CCNLPART
0001BEE1 M30#A.ASM      NEWTOOLD
0001C21D M32#A.ASM      MVSCRTCH1
0001C1FC M32#A.ASM      MVSCRTCH
0001C235 M32#A.ASM      RTRDISK
0001C226 M32#A.ASM      RDEFNADR
0001C253 M32#A.ASM      R@TEMP
0001C244 M32#A.ASM      RHASHFLG
0001C265 M32#A.ASM      R@TEMP6
0001C27A M32#A.ASM      R@TEMP3
0001C28F M32#A.ASM      XRTEXTBG
0001C2B9 M32#A.ASM      RDOFLAG
0001C2A4 M32#A.ASM      IRTEXTBG
0001C2C8 M32#A.ASM      RSTOP_
0001C2DA M32#A.ASM      RFILE_
0001C2EC M32#A.ASM      RPARTEND
0001C2F2 M32#A.ASM      RPARTNDA
```

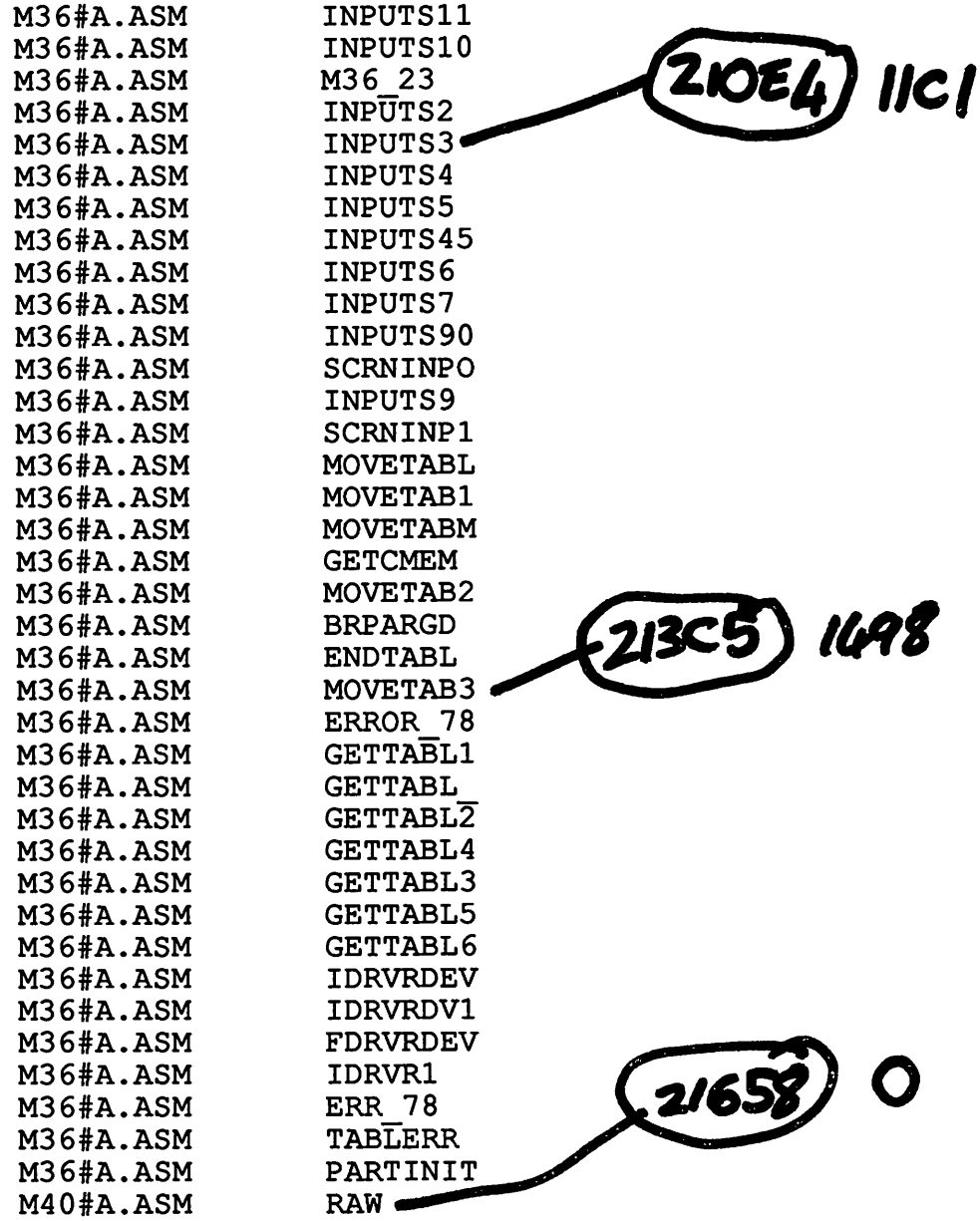
```
0001C2FB M32#A.ASM      GETTERM_
0001C31E M32#A.ASM      GETTERMA
0001C351 M32#A.ASM      GETTERM1
0001C352 M32#A.ASM      TAPIMODE
0001C36D M32#A.ASM      TAPIMOD1
0001C374 M32#A.ASM      BREAKPTW
0001C3BA M32#A.ASM      BREAKPTC
0001C397 M32#A.ASM      BREAKPTB
0001C3DD M32#A.ASM      BREAKPTD
0001C400 M32#A.ASM      BREAKPTA
0001C417 M32#A.ASM      BREAKPTJ
0001C45E M32#A.ASM      BREAKPTL
0001C44F M32#A.ASM      BREAKPTK
0001C481 M32#A.ASM      BREAKPTG
0001C490 M32#A.ASM      BREAKPTT
0001C4AC M32#A.ASM      BREAKPTP
0001C4BB M32#A.ASM      BREAKPTR
0001C4C2 M32#A.ASM      BREAKPTQ
0001C5E9 M32#A.ASM      BREAKPT0
0001C4DB M32#A.ASM      BREAKPTI
0001C6CF M32#A.ASM      NORMAL_1
0001C7CE M32#A.ASM      BREAKPT9
0001C78B M32#A.ASM      BREAKP19
0001C8D9 M32#A.ASM      BRPT17A
0001C8A7 M32#A.ASM      BREAKP15
0001C961 M32#A.ASM      BREAKP14
0001C9D4 M32#A.ASM      BREAKP11
0001C98A M32#A.ASM      BRPT14A
0001C9DD M32#A.ASM      NMIOCHK
0001CA90 M32#A.ASM      HPION
0001CAA4 M32#A.ASM      HPION2
0001CAAB M32#A.ASM      HPION1
0001CAD1 M32#A.ASM      HPIOF1
0001CAAC M32#A.ASM      HPIOF
0001CB37 M32#A.ASM      LOADREGA
0001CADF M32#A.ASM      LOADREGS
0001CBBF M32#A.ASM      LDAUXEND
0001CB61 M32#A.ASM      LOADSTK
0001CC00 M32#A.ASM      LDREG3
0001CBDF M32#A.ASM      LDREG6
0001CBEE M32#A.ASM      LDREG10
0001CC12 M32#A.ASM      SAVEREGX
0001CC2D M32#A.ASM      SAVEREGS
0001CC99 M32#A.ASM      SAVEREGA
0001CD56 M32#A.ASM      MXDSTAT
0001CCC8 M32#A.ASM      SAVSTACK
0001CDD6 M32#A.ASM      MXDSTAT6
0001CEEA M32#A.ASM      MXDSTA70
0001D039 M32#A.ASM      MXDSTAT8
0001D2D7 M32#A.ASM      FRESET
0001D243 M32#A.ASM      ATCHPART
```

```
0001D350 M33#A.ASM       COUNT2
0001D34C M33#A.ASM       COUNT1
0001D354 M33#A.ASM       COUNT3
0001D358 M33#A.ASM       SLCT@OFF
0001D365 M33#A.ASM       SLCT@CLR
0001D3AD M33#A.ASM       SRCHDEV
0001D378 M33#A.ASM       DEFN@CLR
0001D3C7 M33#A.ASM       SRCHDEVP
0001D3F7 M33#A.ASM       SRCHDEVA
0001D601 M33#A.ASM       SLCT@
0001D454 M33#A.ASM       DEFFN@
0001D9C1 M33#A.ASM       $ALERT
0001D6C2 M33#A.ASM       RLSTERM
0001DA01 M33#A.ASM       $OPEN
0001DD7B M33#A.ASM       $OPEN1
0001E0E5 M33#A.ASM       $OPENDB
0001DFE2 M33#A.ASM       $OPEN91
0001E1EA M33#A.ASM       BREAK4F
0001E3B2 M33#A.ASM       BP33AB
0001E2AA M33#A.ASM       BREAK4E
0001E622 M33#A.ASM       $CLOSED
0001E3EA M33#A.ASM       $CLOSE
0001E5FB M33#A.ASM       $CLOSE4
0001E7A0 M33#A.ASM       HITRESET
0001E674 M33#A.ASM       CLOSEPLAT
0001E957 M33#A.ASM       WAKEUPA
0001E9E7 M33#A.ASM       CLOSEDV1P
0001E96A M33#A.ASM       WAKEUP
0001EACB M33#A.ASM       $CLOSEA
0001EA65 M33#A.ASM       WAKEUPP
0001EBFC M33#A.ASM       $MSG
0001ED01 M33#A.ASM       KKKKK
0001EC9E M33#A.ASM       $BREAK
0001EDA2 M33#A.ASM       FINDDEV
0001ED57 M33#A.ASM       KKK111
0001EE88 M33#A.ASM       PSTATFNC
0001F259 M33#A.ASM       $PSTAT
0001F6BB M35#A.ASM       READL24
0001F458 M35#A.ASM       READL
0001F741 M35#A.ASM       RQSTLINE
0001F746 M35#A.ASM       RQSTLINA
0001F77E M35#A.ASM       QUERYLR
0001F7D8 M35#A.ASM       RECLINE
0001F7D1 M35#A.ASM       ACCEPTLR
0001FD4C M35#A.ASM       KEYIN
0001FB54 M35#A.ASM       LINPUT
000202D4 M35#A.ASM       PUTLINF
0001FFFF M35#A.ASM       RECALL
0002078C M35#A.ASM       DEATOM7E
0002093A M35#A.ASM       ERROR_52
000208BE M35#A.ASM       DISPSTAR
```



```
00020B80 M36#A.ASM       BOOT
00020BEA M36#A.ASM       BOOTPRGM
00020BCF M36#A.ASM       BOOTGEN-
00020C20 M36#A.ASM       BPP1
00020C6F M36#A.ASM       BOOTPRG2
00020CAF M36#A.ASM       BOOTPRG1
00020D68 M36#A.ASM       RESTART
00020CF2 M36#A.ASM       $INIT
00020D92 M36#A.ASM       $INITP
0002107C M36#A.ASM       $INITF1
00020FE5 M36#A.ASM       $INITF
00021093 M36#A.ASM       $INITF2
000210FD M36#A.ASM       $INITH
0002119E M36#A.ASM       MSTRINIT
0002114C M36#A.ASM       $INITG
000211B3 M36#A.ASM       DDEVINIT
000211CB M36#A.ASM       NAMEINIT
000211FF M36#A.ASM       TABLLOAD
00021261 M36#A.ASM       EXIT998A
00021364 M36#A.ASM       MAKDRVRE
000213F2 M36#A.ASM       EXIT999
00021416 M36#A.ASM       RGNP12
000216AF M36#A.ASM       $INITER1
000216B4 M36#A.ASM       $INITER2
000216BE M36#A.ASM       $INITER5
000216C3 M36#A.ASM       LOADMXD
00021741 M36#A.ASM       LOADMXD4
00021852 M36#A.ASM       DOWNLD1
00021746 M36#A.ASM       LOADMXE
000219A1 M36#A.ASM       MXDINIT
000219DF M36#A.ASM       MXDPOWER
000219D9 M36#A.ASM       MXDINIT1
00021A27 M36#A.ASM       MXDTYPE1
000219ED M36#A.ASM       MXDTYPE
00021A2F M36#A.ASM       MXDLOADD
00021A3D M36#A.ASM       SETRSETB
00021A42 M36#A.ASM       SETRESET
00021A4E M36#A.ASM       $DISCNCT
00021A49 M36#A.ASM       BRESTART
00021A9E M36#A.ASM       $DISCN2
00021A85 M36#A.ASM       $DISCNOF
00021AE0 M36#A.ASM       $DISCN4
00021AA3 M36#A.ASM       $DISCNON
00021AF6 M36#A.ASM       $DISCN6
00021B1B M36#A.ASM       INPUTP
00021B16 M36#A.ASM       $DISCN5
00021BA3 M36#A.ASM       INPUTS40
00021B68 M36#A.ASM       INPUTSCR
00021BBC M36#A.ASM       INPUTS41
00021C44 M36#A.ASM       INPUTS44
00021C28 M36#A.ASM       INPUTS42
```

```
00021C4E M36#A.ASM      INPUTS47
00021C5D M36#A.ASM      INPUTS11
00021C58 M36#A.ASM      INPUTS10
00021CD0 M36#A.ASM      M36_23
00021D30 M36#A.ASM      INPUTS2
00021D35 M36#A.ASM      INPUTS3
00021DD9 M36#A.ASM      INPUTS4
00021DB1 M36#A.ASM      INPUTS5
00021E09 M36#A.ASM      INPUTS45
00021E3D M36#A.ASM      INPUTS6
00021E4A M36#A.ASM      INPUTS7
00021E5C M36#A.ASM      INPUTS90
00021E66 M36#A.ASM      SCRNINPO
00021E61 M36#A.ASM      INPUTS9
00021E8C M36#A.ASM      SCRNINP1
00021E8D M36#A.ASM      MOVETABL
00021EDE M36#A.ASM      MOVETAB1
00021F66 M36#A.ASM      MOVETABM
00021F6D M36#A.ASM      GETCMEM
00021FF5 M36#A.ASM      MOVETAB2
00021FF5 M36#A.ASM      BRPARGD
0002201E M36#A.ASM      ENDTABL
0002200C M36#A.ASM      MOVETAB3
0002202B M36#A.ASM      ERROR_78
00022047 M36#A.ASM      GETTABL1
00022037 M36#A.ASM      GETTABL_
00022073 M36#A.ASM      GETTABL2
000220FC M36#A.ASM      GETTABL4
000220DA M36#A.ASM      GETTABL3
000221B8 M36#A.ASM      GETTABL5
00022173 M36#A.ASM      GETTABL6
000221D0 M36#A.ASM      IDRVRDEV
000221DB M36#A.ASM      IDRVRDV1
0002221D M36#A.ASM      FDRVRDEV
00022215 M36#A.ASM      IDRVR1
0002224E M36#A.ASM      ERR_78
0002222B M36#A.ASM      TABLERR
00022253 M36#A.ASM      PARTINIT
00022274 M40#A.ASM      RAW
0002225D M36#A.ASM      PRTINITA
00022297 M40#A.ASM      RAWOFF
0002227F M40#A.ASM      RAWON
000222AB M40#A.ASM      DWRITE?DAF
000222BD M40#A.ASM      DWRITE?DA
000222F7 M40#A.ASM      DWRITE
000225EB M40#A.ASM      MSWRTBEG
00022798 M40#A.ASM      SECTOR
00022748 M40#A.ASM      MSWRTEND
00022874 M40#A.ASM      PLATTER
00022803 M40#A.ASM      RECSCTR
0002288B M40#A.ASM      PLATTERA
```



```
000228CA M40#A.ASM       PLATTERX
000228EA M40#A.ASM       DISKSEL
0002291F M40#A.ASM       DISKSELC
0002290C M40#A.ASM       DISKSL_C
00022930 M40#A.ASM       DISKSELCC
0002295D M40#A.ASM       DISKSL_P
000229D0 M40#A.ASM       FILE_E
00022AB4 M40#A.ASM       DTLDBA
00022A08 M40#A.ASM       DISKADRD
00022AEA M40#A.ASM       DTSVBA
00022B96 M40#A.ASM       DTLDDA
00022C2B M40#A.ASM       DREADS0
00022BE3 M40#A.ASM       DTSVDA
00022C35 M40#A.ASM       DREADSF
00022C4D M40#A.ASM       DREAD
00022F5B M40#A.ASM       CMNDPLAT
00022E12 M40#A.ASM       CMNDINIT
00022F9D M40#A.ASM       DISKCMND
00023058 M40#A.ASM       DISKCMDA
00022FB4 M40#A.ASM       DISKCMDC
000230DF M40#A.ASM       ERROR_94
000230A7 M40#A.ASM       AKN
000230EB M40#A.ASM       AKN1
00023118 M40#A.ASM       ERROR_93
0002313C M40#A.ASM       ERR_92
00023148 M40#A.ASM       AKNBPT
000231C6 M40#A.ASM       OBSECHO
00023273 M40#A.ASM       LOADDATA
0002321E M40#A.ASM       OBSDISK
00023404 M40#A.ASM       LOADDBLK
00023437 M40#A.ASM       LOADLBLK
0002342B M40#A.ASM       ERROR_88
00023450 M40#A.ASM       LOADBLK
000236EE M40#A.ASM       ERROR_81
000234C8 M40#A.ASM       SAVEDATA
00023775 M40#A.ASM       FRMTDRAM
000237F4 M40#A.ASM       INITRAMD
00023824 DATA1#B.ASM     DATALOAD
0002388E DATA1#B.ASM     DATASAVE
00023E2C DATA1#B.ASM     DSKIP
00023C5C DATA1#B.ASM     ERROR_32
00023F89 DATA1#B.ASM     DBKSP
000240D6 DATA1#B.ASM     LISTDC
00024782 DATA1#B.ASM     ADDFILE
000246B9 DATA1#B.ASM     ADDIFILE
0002485B DATA1#B.ASM     NEWEOF
000247A4 DATA1#B.ASM     INTINDX
00024A57 DATA1#B.ASM     NEWNAMEF
000249BB DATA1#B.ASM     FILELOCS
00024AA9 DATA1#B.ASM     FILENAMS
00024AA4 DATA1#B.ASM     FILENAMP
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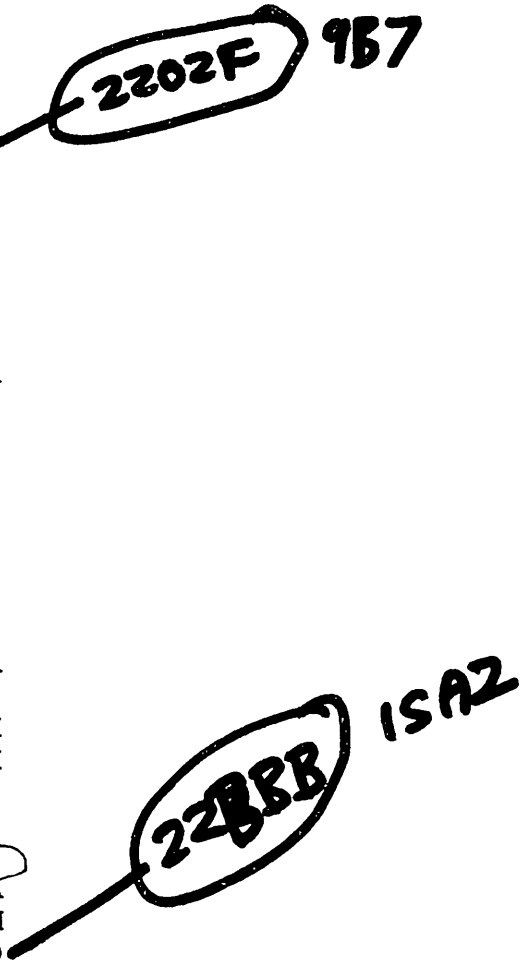

```
00024ABC DATA1#B.ASM     FILENMDA
00024B15 DATA1#B.ASM     ERROR_82
00024AD2 DATA1#B.ASM     FILENMXA
00024B46 DATA1#B.ASM     FILENAME
00024B21 DATA1#B.ASM     FILENAMH
00024BC2 DATA1#B.ASM     FINDNAMH
00024EC0 DATA1#B.ASM     ZEROFIL_
00024F84 DATA1#B.ASM     GETFLPTR
00024FBF DATA1#B.ASM     GTFLPTRS
00025028 DATA1#B.ASM     PUTPLTTR
00025097 DATA1#B.ASM     GETPLTTR
000250EB DATA1#B.ASM     CATEND
000250FF DATA1#B.ASM     CURENDR
00025113 DATA1#B.ASM     CUREND1
00025292 DATA1#B.ASM     ERROR_86
0002513A DATA1#B.ASM     SCRATCHD
0002529E DATA1#B.ASM     ERR_34B
00025571 DATA1#B.ASM     ERROR_83
0002557D DATA1#B.ASM     ERROR_85
00026AD6 M42#A.ASM       SAVERPRG
00025902 DATA1#B.ASM     FTMATCH
00025A1F M42#A.ASM       LOADP
00026C08 M42#A.ASM       SAVEPR70
00026C08 M42#A.ASM       SAVEPRG7-
0002763F M42#A.ASM       SAVE
00027495 M42#A.ASM       SAVEPBLK
00027F78 M42#A.ASM       LOADRUN
000278BA M42#A.ASM       LOAD
000282EC M43#A.ASM       LIMITS
00028058 M42#A.ASM       @REVERB
000284C3 M43#A.ASM       VERIFY
000286FC M43#A.ASM       VERIFYE
0002914D M43#A.ASM       SETDEVLD
00028A08 M43#A.ASM       COPY
00029165 M43#A.ASM       FORMATD
000292F6 M43#A.ASM       MOVE
00029A00 M44#A.ASM       DTRACE
00029C6C M49#A.ASM       SLCTON
00029A7C M44#A.ASM       TRACED
00029C9C M49#A.ASM       SLCTOFF
00029E71 M49#A.ASM       ICLEAR
00029E92 M49#A.ASM       ICHECK
00029FBC M50#A.ASM       MAT
00029F39 M49#A.ASM       IPOLL
00029FF8 M50#A.ASM       MATLET
0002A0A1 M50#A.ASM       MATIDN
0002A090 M50#A.ASM       MATCON
0002A188 M50#A.ASM       MATEQU
0002A0B2 M50#A.ASM       MATZER
0002A1A4 M50#A.ASM       MATEQUAL
0002A215 M50#A.ASM       MATSMPY
```

```
0002A286 M50#A.ASM       MATSUB
0002A442 M50#A.ASM       MATTRN
0002A292 M50#A.ASM       MATADD
0002A7A2 M50#A.ASM       MATINV
0002A541 M50#A.ASM       MATMPY
0002B1D7 M50#A.ASM       MATINPUT
0002B030 M50#A.ASM       MATREDIM
0002B073 M50#A.ASM       MATPRINT
0002B432 M50#A.ASM       MATVAR$
0002B1F6 M50#A.ASM       MATREAD
0002B43E M50#A.ASM       MATVAR
0002B5DC M50#A.ASM       MATDIM
0002B7D6 M50#A.ASM       REDIM$
0002B79B M50#A.ASM       REDIM
0002B927 M50#A.ASM       GETDIM
0002B945 M50#A.ASM       GETDIMA
0002B979 M50#A.ASM       NAMECHK
0002BA41 M50#A.ASM       SWTCHCOL
0002B993 M50#A.ASM       SWTCHROW
0002BADC M55#A.ASM       MSTRTABL
0002BB5C M55#A.ASM       ESCTABL
0002BB60 M55#A.ASM       CHARTABL
0002BB64 M55#A.ASM       DREGSTOR
0002BF64 M55#A.ASM       TABLNAME
0002BFE4 M55#A.ASM       DRVRDEV
0002C044 M55#A.ASM       DEV?AMTERM
0002C0D7 M55#A.ASM       TABLSTRT
0002C047 M55#A.ASM       DRVRSTAT
0002D8D7 M55#A.ASM       DRVRMAIN
0002DC33 M55#A.ASM       ESCAPE
0002DB77 M55#A.ASM       GETDRDEV
0002E8E4 M55#A.ASM       TRANESC
0002DE5D M55#A.ASM       ESCRTNS
0002EFB0 M55#A.ASM       OUTCODE
0002F2C4 M60#A.ASM       NEXT
0002F138 M60#A.ASM       FOR
0002F41C M90#A.ASM       VTIME
0002F410 M90#A.ASM       VDATE
0002F617 M90#A.ASM       PSWRD
0002F423 M90#A.ASM       SETCLK
0002F6DE M90#A.ASM       GETTIME
0002F85A M90#A.ASM       RTC_34
0002F798 M90#A.ASM       INITCK
0002FB23 M90#A.ASM       TIME
0002FB00 M90#A.ASM       DATE
0002FB46 M90#A.ASM       VERSION
0002FB79 M90#A.ASM       TIMEUP
0002FB8E M90#A.ASM       ERROR_79
0002FB9C M91#A.ASM       BUFSTRCM
0002FBB8 M91#A.ASM       WRTERRSTRCM
0002FD88 M91#A.ASM       MSGBASE
```

LOOP

```
0002FD88 M91#A.ASM       SUPERSTR
0002FC5C M91#A.ASM       WRTSTRCM
000303CB M91#A.ASM       ERRORMSG
000305BF M91#A.ASM       SYSMSGS
000305C4 M91#A.ASM       LDTMSG2
000305BF M91#A.ASM       LDTMSG1
000305C9 M91#A.ASM       LDTMSG3
000305CE M91#A.ASM       LDTMSG4
000305D3 M91#A.ASM       LDTMSG5
000305DD M91#A.ASM       READYMSG
000305D8 M91#A.ASM       LDTMSG6
000305E2 M91#A.ASM       ENDMSG
000305E7 M91#A.ASM       TRNSFMSG
000305F1 M91#A.ASM       LDCMSG7
000305EC M91#A.ASM       VRFYMSG
000305F6 M91#A.ASM       LDCMSG14
000305FB M91#A.ASM       LDCMSG15
00030605 M91#A.ASM       LDTMSG17
00030600 M91#A.ASM       LDCMSG16
0003060A M91#A.ASM       MSGATOMS
00030674 M98#A.ASM       SLCTTC
0003082D M98#A.ASM       SLCTERM
000309BF M98#A.ASM       $OPENTC
00030A63 M98#A.ASM       $OPENDTC
00030A83 M98#A.ASM       $CLOSTC
00030BEC M98#A.ASM       TCGIO
00030B40 M98#A.ASM       $CLSTCA
00030CC6 M98#A.ASM       ENBLTC
00030D11 M98#A.ASM       MXEPSW
00030E3A M98#A.ASM       MXESTA6
00030DA6 M98#A.ASM       MXESTA
00030E9B M98#A.ASM       WAITRDB6
00030EBF M98#A.ASM       PERRMXE
00030F6C MATH#A.ASM      _MPI
00030F23 M98#A.ASM       SLTADRT
00030F9C MATH#A.ASM      MAXVALUE
000312C4 MATH#A.ASM      CHK_MAX
00030FA4 MATH#A.ASM      MAXNVALUE
000313AC MATH#A.ASM      PRE_FLG
00031334 MATH#A.ASM      CHK_MAXN
00031422 MATH#A.ASM      TEMP_PTR
00031518 MATH#A.ASM      MATHCMP1
0003152B MATH#A.ASM      MATHCMP
0003160B MATH#A.ASM      MATHADD1
00031627 MATH#A.ASM      MATHADD2
000316BC MATH#A.ASM      MATHSUB1
0003165A MATH#A.ASM      MATHADD
000316D7 MATH#A.ASM      MATHSUB2
0003170A MATH#A.ASM      MATHSUB
000319EC MATH#A.ASM      MATHMUL1
000318E4 MATH#A.ASM      MANREG
```

```
00031A36 MATH#A.ASM      MATHMUL
00031A05 MATH#A.ASM      MATHMUL2
00031E93 MATH#A.ASM      MATHDIV2
00031E7A MATH#A.ASM      MATHDIV1
00032350 MATH#A.ASM      MATHLGT
00031EC3 MATH#A.ASM      MATHDIV
00032623 MATH#A.ASM      MATHX2Y
0003259D MATH#A.ASM      MATHLOG
0003299F MATH#A.ASM      MATHSQR
00032BC7 MATH#A.ASM      MATHMAX
00032BF8 MATH#A.ASM      MATHMIN
00032DDF MATH#A.ASM      MATHTAN
00032C29 MATH#A.ASM      MATHEXP
00032E97 MATH#A.ASM      MATHSIN
00032EB9 MATH#A.ASM      MATHCOS
00033256 MATH#A.ASM      MATHASIN
00033020 MATH#A.ASM      MATHATAN
00033440 MATH#A.ASM      MATHACOS
000335C3 MATH#A.ASM      MATHNRND
000334AF MATH#A.ASM      MATHRNDX
000335EE MATH#A.ASM      MATHINT
0003374F MATH#A.ASM      MATHFIX
0003376A MATH#A.ASM      MATHABS
000337B2 MATH#A.ASM      MATHMOD
000339F9 MATH#A.ASM      MATHRD
00033B1F MATH#A.ASM      MATHSGN
00033AA2 MATH#A.ASM      MATHRND0
000355E2 DOS#A.ASM       DTLDAC
00033B76 MATH#A.ASM      MALG
00036000 END#A.ASM       GIEND
00035679 DOS#A.ASM       DTSVAC
```

MODULES - LABEL ORDERED LIST

$ALERT	M33#A.ASM	0001D9C1
$BIN	M16#A.ASM	00011EF9
$BREAK	M33#A.ASM	0001EC9E
$CLOSE	M33#A.ASM	0001E3EA
$CLOSE4	M33#A.ASM	0001E5FB
$CLOSEA	M33#A.ASM	0001EACB
$CLOSED	M33#A.ASM	0001E622
$CLOSTC	M98#A.ASM	00030A83
$CLSTCA	M98#A.ASM	00030B40
$DISCN2	M36#A.ASM	00021A9E
$DISCN4	M36#A.ASM	00021AE0
$DISCN5	M36#A.ASM	00021B16
$DISCN6	M36#A.ASM	00021AF6
$DISCNCT	M36#A.ASM	00021A4E
$DISCNOF	M36#A.ASM	00021A85
$DISCNON	M36#A.ASM	00021AA3
$IF	M26#A.ASM	000150C6
$INIT	M36#A.ASM	00020CF2
$INITER1	M36#A.ASM	000216AF
$INITER2	M36#A.ASM	000216B4
$INITER5	M36#A.ASM	000216BE
$INITF	M36#A.ASM	00020FE5
$INITF1	M36#A.ASM	0002107C
$INITF2	M36#A.ASM	00021093
$INITG	M36#A.ASM	0002114C
$INITH	M36#A.ASM	000210FD
$INITP	M36#A.ASM	00020D92
$MSG	M33#A.ASM	0001EBFC
$OPEN	M33#A.ASM	0001DA01
$OPEN1	M33#A.ASM	0001DD7B
$OPEN91	M33#A.ASM	0001DFE2
$OPENDB	M33#A.ASM	0001E0E5
$OPENDTC	M98#A.ASM	00030A63
$OPENTC	M98#A.ASM	000309BF
$PACK	M17#A.ASM	00012510
$PACKD	M17#A.ASM	00012758
$PACKF	M17#A.ASM	000129DB
$PACKFB	M17#A.ASM	00012F24
$PSTAT	M33#A.ASM	0001F259
$STMT	M26#A.ASM	0001506C
$UNPACK	M17#A.ASM	0001260D
$UNPAKD	M17#A.ASM	0001281F
$UNPAKF	M17#A.ASM	00013A03
$UNPAKF3	M17#A.ASM	00013D2D
$UNPAKF8	M17#A.ASM	00013CC8
@LETTER	M02#A.ASM	00005044
@REVERB	M42#A.ASM	00028058
_CSOS	HEADR#B.ASM	00001467

_MPI	MATH#A.ASM	00030F6C
_OSREL	HEADR#B.ASM	00001465
A$TRACE	M05#A.ASM	00008428
ACCEPTLR	M35#A.ASM	0001F7D1
ACKDISCT	M05#A.ASM	0000767A
ADD_	M14#A.ASM	000102A1
ADDFILE	DATA1#B.ASM	00024782
ADDIFILE	DATA1#B.ASM	000246B9
ADDVAR	M06#A.ASM	00009F7B
ADDVAR6	M06#A.ASM	0000A004
ADJEXP	M15#A.ASM	0001160D
AKN	M40#A.ASM	000230A7
AKN1	M40#A.ASM	000230EB
AKNBPT	M40#A.ASM	00023148
ALIGN_0	M06#A.ASM	0000A300
ALLFUNC	M13#A.ASM	0000FD0B
ALPHA	M10#A.ASM	0000D4B3
ALPHA1	M10#A.ASM	0000D4BA
ALPHARAY	M16#A.ASM	00011F30
ALPHEXPR	M13#A.ASM	0000F690
ALPHIN	M16#A.ASM	00011DD6
ALPHINL	M16#A.ASM	00011DC4
AND_	M14#A.ASM	0001023C
ANVARR	M10#A.ASM	0000D41C
ARAYEL	M09#A.ASM	0000D00C
ARAYELA	M09#A.ASM	0000D286
ARAYELB	M09#A.ASM	0000D15E
ARAYELP	M09#A.ASM	0000D2DC
ARAYELRP	M30#A.ASM	0001BC97
ARC	M07#A.ASM	0000B37C
ARECEV	M10#A.ASM	0000DB53
ARECEVAL	M10#A.ASM	0000DBB0
ARECEVX	M10#A.ASM	0000DB5C
ARGUMENT	M16#A.ASM	00012361
ARGUMNTR	M16#A.ASM	0001222B
ARRAY	M09#A.ASM	0000D30C
ARRAY2	M09#A.ASM	0000D3DA
ARRAYA	M09#A.ASM	0000D34E
ARRAYN	M16#A.ASM	00012030
ATCHPART	M32#A.ASM	0001D243
ATCOL	M05#A.ASM	00008228
ATCOL0E	M05#A.ASM	00008221
ATOMERR	M26#A.ASM	00015F6D
AVAR	M10#A.ASM	0000D52D
AVAR1	M10#A.ASM	0000D60F
AVARB	M16#A.ASM	0001211A
AVARB2	M16#A.ASM	0001215D
AVARD	M10#A.ASM	0000D51A
AVARL2	M10#A.ASM	0000DD2E
AVARL2A	M10#A.ASM	0000DD27
AVARR	M10#A.ASM	0000D526

AVARV	M10#A.ASM	0000D5F6
BADDRESS	M05#A.ASM	00007403
BIN	M14#A.ASM	00010492
BINDEC	M06#A.ASM	00009378
BINEXP	M16#A.ASM	000120D2
BINFLT	M06#A.ASM	00009352
BINFLTA	M06#A.ASM	0000934B
BINFNC	M13#A.ASM	0000F9DB
BINFUNC	M13#A.ASM	0000F9C2
BINVAL	M16#A.ASM	00011D28
BITF0	M30#A.ASM	0001BDA1
BITTERM_	M30#A.ASM	0001BD9C
BNFLTX	M06#A.ASM	0000941E
BNFLTXXX	M06#A.ASM	00009453
BOOL	M14#A.ASM	00010267
BOOT	M36#A.ASM	00020B80
BOOT_ID	M01#A.ASM	00002EDC
BOOTGEN	M36#A.ASM	00020BCF
BOOTPRG1	M36#A.ASM	00020CAF
BOOTPRG2	M36#A.ASM	00020C6F
BOOTPRGM	M36#A.ASM	00020BEA
BP33AB	M33#A.ASM	0001E3B2
BPP1	M36#A.ASM	00020C20
BREAK4E	M33#A.ASM	0001E2AA
BREAK4F	M33#A.ASM	0001E1EA
BREAKP11	M32#A.ASM	0001C9D4
BREAKP14	M32#A.ASM	0001C961
BREAKP15	M32#A.ASM	0001C8A7
BREAKP19	M32#A.ASM	0001C78B
BREAKPT0	M32#A.ASM	0001C5E9
BREAKPT9	M32#A.ASM	0001C7CE
BREAKPTA	M32#A.ASM	0001C400
BREAKPTB	M32#A.ASM	0001C397
BREAKPTC	M32#A.ASM	0001C3BA
BREAKPTD	M32#A.ASM	0001C3DD
BREAKPTG	M32#A.ASM	0001C481
BREAKPTI	M32#A.ASM	0001C4DB
BREAKPTJ	M32#A.ASM	0001C417
BREAKPTK	M32#A.ASM	0001C44F
BREAKPTL	M32#A.ASM	0001C45E
BREAKPTP	M32#A.ASM	0001C4AC
BREAKPTQ	M32#A.ASM	0001C4C2
BREAKPTR	M32#A.ASM	0001C4BB
BREAKPTT	M32#A.ASM	0001C490
BREAKPTW	M32#A.ASM	0001C374
BRESTART	M36#A.ASM	00021A49
BRPARGD	M36#A.ASM	00021FF5
BRPT14A	M32#A.ASM	0001C98A
BRPT17A	M32#A.ASM	0001C8D9
BUFSTRCM	M91#A.ASM	0002FB9C
BUMPREAD	M27#A.ASM	0001814A

CATEND	DATA1#B.ASM	000250EB
CBSNR	M05#A.ASM	00007C06
CBSNT	M05#A.ASM	00007C11
CBSTROBE	M05#A.ASM	00007BD4
CCJ	M02#A.ASM	00005381
CCJB	M02#A.ASM	000058CD
CCJE	M02#A.ASM	000053F4
CCL	M02#A.ASM	0000521D
CCLFROM	M02#A.ASM	000056E5
CCLTO	M02#A.ASM	000056C0
CCNL	M02#A.ASM	0000528D
CCNLPART	M30#A.ASM	0001BEC9
CCXX	M07#A.ASM	0000B218
CHARCTR	M10#A.ASM	0000DD66
CHARTABL	M55#A.ASM	0002BB60
CHK_MAX	MATH#A.ASM	000312C4
CHK_MAXN	MATH#A.ASM	00031334
CHKDVRB	M05#A.ASM	00007ED8
CLEAR	M03#A.ASM	00005E00
CLEAR_80	M05#A.ASM	00008B5A
CLEAR_OPEN	M05#A.ASM	00008876
CLEARN	M06#A.ASM	0000A218
CLEARXA	M01#A.ASM	00003176
CLOSE_OPEN	M05#A.ASM	000087A1
CLOSE_OPENX	M05#A.ASM	000089FC
CLOSE_TBL	HEADR#B.ASM	00000C3A
CLOSEDV1P	M33#A.ASM	0001E9E7
CLOSEPLAT	M33#A.ASM	0001E674
CMNDINIT	M40#A.ASM	00022E12
CMNDPLAT	M40#A.ASM	00022F5B
CNSLMSG	M05#A.ASM	000082E4
COM	M08#A.ASM	0000C665
COMMAND	M26#A.ASM	00016CED
COMPARE	M30#A.ASM	0001BC37
CONCAT	M13#A.ASM	0000F83B
CONSOLE	M06#A.ASM	00009E3B
CONSOLEA	M06#A.ASM	00009DCB
CONSOLEP	M06#A.ASM	00009DF6
CONTINUE	M03#A.ASM	00005CCC
CONVERT	M15#A.ASM	000106EC
COPY	M43#A.ASM	00028A08
COUNT1	M33#A.ASM	0001D34C
COUNT2	M33#A.ASM	0001D350
COUNT3	M33#A.ASM	0001D354
CPIMAGE	M15#A.ASM	00011C45
CPRNTCR	M05#A.ASM	00006C4B
CPRNTCRX	M05#A.ASM	00006C2C
CPRNTCRZ	M05#A.ASM	00006C3D
CSVER	HEADR#B.ASM	00000012
CUREND1	DATA1#B.ASM	00025113
CURENDR	DATA1#B.ASM	000250FF

8296

CURLEN	M10#A.ASM	0000DCE6
CURLENA	M10#A.ASM	0000DCE0
CVTALPHA	M15#A.ASM	0001127D
DATA_	M11#A.ASM	0000E516
DATALD	M18#A.ASM	0001446D
DATALDBT	M18#A.ASM	000141B8
DATALOAD	DATA1#B.ASM	00023824
DATASAVE	DATA1#B.ASM	0002388E
DATASVBT	M18#A.ASM	0001441C
DATE	M90#A.ASM	0002FB00
DBKSP	DATA1#B.ASM	00023F89
DCRYPT	M24#A.ASM	00014B78
DDEVINIT	M36#A.ASM	000211B3
DEATOM7E	M35#A.ASM	0002078C
DEF1STMT	M16#A.ASM	000124D7
DEFFN	M04#A.ASM	000061A8
DEFFN@	M33#A.ASM	0001D454
DEFN?QUADD	M04#A.ASM	000062FD
DEFN@CLR	M33#A.ASM	0001D378
DELAY10	M05#A.ASM	000072FB
DELAY10T	M26#A.ASM	00016D85
DELAY2?PD6	M05#A.ASM	00007305
DELAY5	M05#A.ASM	00007300
DEV?AMTERM	M55#A.ASM	0002C044
DEVADDR	M02#A.ASM	000057DC
DEVADDRS	M02#A.ASM	000057C1
DEVICEG	M05#A.ASM	00006FF8
DEVICET	M05#A.ASM	0000707F
DEVSPEC	M05#A.ASM	000070E8
DEVSPECT	M05#A.ASM	00007125
DIGIT	M02#A.ASM	00004FF2
DIM	M08#A.ASM	0000C731
DISABLE	M05#A.ASM	0000717B
DISKADRD	M40#A.ASM	00022A08
DISKCMDA	M40#A.ASM	00023058
DISKCMDC	M40#A.ASM	00022FB4
DISKCMND	M40#A.ASM	00022F9D
DISKERR	M01#A.ASM	00004689
DISKSEL	M40#A.ASM	000228EA
DISKSELC	M40#A.ASM	0002291F
DISKSELCC	M40#A.ASM	00022930
DISKSL_C	M40#A.ASM	0002290C
DISKSL_P	M40#A.ASM	0002295D
DISPATTR	M05#A.ASM	000081C8
DISPSTAR	M35#A.ASM	000208BE
DMFARG	M14#A.ASM	000102C9
DO	M04#A.ASM	00006A1C
DOCHECK	M04#A.ASM	00006B56
DOWNLD1	M36#A.ASM	00021852
DREAD	M40#A.ASM	00022C4D
DREADS0	M40#A.ASM	00022C2B

DREADSF	M40#A.ASM	00022C35
DREGSTOR	M55#A.ASM	0002BB64
DRVRDEV	M55#A.ASM	0002BFE4
DRVRMAIN	M55#A.ASM	0002D8D7
DRVRSTAT	M55#A.ASM	0002C047
DSBLPRGM	M01#A.ASM	00004CFD
DSKIP	DATA1#B.ASM	00023E2C
DTLDAC	DOS#A.ASM	000355E2
DTLDBA	M40#A.ASM	00022AB4
DTLDDA	M40#A.ASM	00022B96
DTRACE	M44#A.ASM	00029A00
DTSVAC	DOS#A.ASM	00035679
DTSVBA	M40#A.ASM	00022AEA
DTSVDA	M40#A.ASM	00022BE3
DVAR	M06#A.ASM	00009492
DWRITE	M40#A.ASM	000222F7
DWRITE?DA	M40#A.ASM	000222BD
DWRITE?DAF	M40#A.ASM	000222AB
ELSE_	M04#A.ASM	000069B2
ENBLCNT	M05#A.ASM	00007547
ENBLCNT3	M05#A.ASM	000075F7
ENBLCNTA	M05#A.ASM	0000762E
ENBLCO	M05#A.ASM	00007853
ENBLDEVA	M05#A.ASM	000077ED
ENBLDEVB	M05#A.ASM	00007811
ENBLDEVD	M05#A.ASM	00006F24
ENBLDEVG	M05#A.ASM	0000770D
ENBLDEVI	M05#A.ASM	000076FC
ENBLDEVO	M05#A.ASM	0000785F
ENBLDVX7	M05#A.ASM	00006EC1
ENBLLIST	M05#A.ASM	00007827
ENBLNLLD	M05#A.ASM	00007182
ENBLNLLDH	M05#A.ASM	000071AE
ENBLNULL	M05#A.ASM	000071C6
ENBLSCO	M05#A.ASM	0000783D
ENBLTC	M98#A.ASM	00030CC6
END_	M04#A.ASM	00006A50
ENDDISK	M01#A.ASM	00004D9D
ENDDISKR	M01#A.ASM	00004DA3
ENDDO	M04#A.ASM	00006AE0
ENDMSG	M91#A.ASM	000305E2
ENDSDISK	M01#A.ASM	00003B02
ENDSP	M07#A.ASM	0000B5C2
ENDSTHLT	M01#A.ASM	00003C4F
ENDSTIO	M01#A.ASM	00003B14
ENDSTIOZ	M01#A.ASM	00003A61
ENDSTM10	M01#A.ASM	00003D53
ENDSTMT	M01#A.ASM	00003B26
ENDSTMT9	M01#A.ASM	00003C77
ENDSTMTA	M01#A.ASM	00003C33
ENDSTMTB	M01#A.ASM	00003CC0

ENDSTMTC	M01#A.ASM	00003B70
ENDSTMTF	M01#A.ASM	00003B49
ENDSTMTG	M01#A.ASM	00003D03
ENDSTMTS	M01#A.ASM	00003AC4
ENDSTMTZ	M01#A.ASM	00003A87
ENDTABL	M36#A.ASM	0002201E
ENTER_	M01#A.ASM	00003441
ENTERA	M01#A.ASM	0000342B
ENTERF	M01#A.ASM	00003435
ERR$FNC	M01#A.ASM	0000453F
ERR34	M30#A.ASM	0001BB99
ERR_00	M01#A.ASM	000042E6
ERR_01	M01#A.ASM	00004418
ERR_01P	M01#A.ASM	0000437F
ERR_02	M01#A.ASM	00004429
ERR_08A	M16#A.ASM	00012508
ERR_16B	M04#A.ASM	00006260
ERR_17A	M10#A.ASM	0000DDA3
ERR_17B	M17#A.ASM	000140DC
ERR_17C	M08#A.ASM	0000CF96
ERR_17D	M10#A.ASM	0000DB2E
ERR_19A	M13#A.ASM	0000FD83
ERR_19E	M14#A.ASM	00010585
ERR_19Q	M17#A.ASM	000139FE
ERR_28S	M30#A.ASM	0001B970
ERR_29C	M12#A.ASM	0000EFAF
ERR_29D	M15#A.ASM	00010C35
ERR_29E	M14#A.ASM	000102E6
ERR_29F	M17#A.ASM	00014037
ERR_29G	M13#A.ASM	0000F7B0
ERR_29H	M04#A.ASM	00006423
ERR_29I	M30#A.ASM	0001B97A
ERR_29Q	M17#A.ASM	000139F9
ERR_34B	DATA1#B.ASM	0002529E
ERR_34C	M04#A.ASM	00006661
ERR_34D	M04#A.ASM	000062F8
ERR_34G	M12#A.ASM	0000EC36
ERR_34Q	M17#A.ASM	000139EF
ERR_50S	M30#A.ASM	0001B975
ERR_51B	M17#A.ASM	000140D7
ERR_51C	M16#A.ASM	00011F81
ERR_51Q	M17#A.ASM	000139F4
ERR_51S	M30#A.ASM	0001B96B
ERR_55A	M09#A.ASM	0000D2D7
ERR_55S	M30#A.ASM	0001B97F
ERR_74	M17#A.ASM	00013FE7
ERR_75A	M17#A.ASM	00013C8D
ERR_75B	M15#A.ASM	00011B17
ERR_75C	M11#A.ASM	0000E330
ERR_75P	M16#A.ASM	00012226
ERR_78	M36#A.ASM	0002224E

ERR_92	M40#A.ASM	0002313C
ERRB_35	M03#A.ASM	000060FD
ERRB_36	M01#A.ASM	00003D72
ERRC_20	M02#A.ASM	00005685
ERRC_34	M03#A.ASM	00006109
ERRLIST	M27#A.ASM	00017909
ERRMSG	M01#A.ASM	00004454
ERROR	M01#A.ASM	00004034
ERROR08C	M14#A.ASM	000106E0
ERROR92	M05#A.ASM	00007DBB
ERROR_01	M06#A.ASM	0000A1AA
ERROR_02	M06#A.ASM	00008E28
ERROR_03	M16#A.ASM	00011DB8
ERROR_04	M06#A.ASM	00008E1C
ERROR_05	M01#A.ASM	00004BC8
ERROR_07	M01#A.ASM	00004908
ERROR_08	M02#A.ASM	00005C37
ERROR_10	M02#A.ASM	00005661
ERROR_11	M02#A.ASM	00005655
ERROR_12	M02#A.ASM	0000566D
ERROR_13	M02#A.ASM	00005679
ERROR_15	M16#A.ASM	00011EBF
ERROR_16	M06#A.ASM	000094B8
ERROR_17	M02#A.ASM	00005835
ERROR_18	M02#A.ASM	00005CBF
ERROR_19	M02#A.ASM	000056D9
ERROR_20	M01#A.ASM	00003B64
ERROR_21	M06#A.ASM	00008EFF
ERROR_23	M10#A.ASM	0000D9FE
ERROR_24	M07#A.ASM	0000A764
ERROR_26	M30#A.ASM	0001B95F
ERROR_27	M16#A.ASM	00012079
ERROR_28	M16#A.ASM	00011F75
ERROR_29	M10#A.ASM	0000D7E9
ERROR_31	M04#A.ASM	00006B6C
ERROR_32	DATA1#B.ASM	00023C5C
ERROR_34	M02#A.ASM	0000578A
ERROR_41	M12#A.ASM	0000E89B
ERROR_42	M15#A.ASM	00011D0F
ERROR_48	M08#A.ASM	0000CC76
ERROR_50	M06#A.ASM	000097F2
ERROR_51	M07#A.ASM	0000BB17
ERROR_52	M35#A.ASM	0002093A
ERROR_55	M06#A.ASM	00009FC8
ERROR_56	M09#A.ASM	0000D2A7
ERROR_57	M10#A.ASM	0000D938
ERROR_58	M17#A.ASM	00012934
ERROR_59	M06#A.ASM	00009740
ERROR_70	M11#A.ASM	0000E46D
ERROR_71	M15#A.ASM	0001089F
ERROR_74	M07#A.ASM	0000B85C

ERROR_75	M07#A.ASM	0000AEA6
ERROR_76	M15#A.ASM	00011BAB
ERROR_78	M36#A.ASM	0002202B
ERROR_79	M90#A.ASM	0002FB8E
ERROR_81	M40#A.ASM	000236EE
ERROR_82	DATA1#B.ASM	00024B15
ERROR_83	DATA1#B.ASM	00025571
ERROR_85	DATA1#B.ASM	0002557D
ERROR_86	DATA1#B.ASM	00025292
ERROR_88	M40#A.ASM	0002342B
ERROR_93	M40#A.ASM	00023118
ERROR_94	M40#A.ASM	000230DF
ERRORC	M01#A.ASM	000040AA
ERRORMSG	M91#A.ASM	000303CB
ERRORN	M01#A.ASM	000040C0
ERRORP	M01#A.ASM	00004299
ERRSTMT	M04#A.ASM	00006B11
ERRTYPE	M01#A.ASM	000045ED
ESCAPE	M55#A.ASM	0002DC33
ESCRTNS	M55#A.ASM	0002DE5D
ESCTABL	M55#A.ASM	0002BB5C
EVAL	M07#A.ASM	0000A770
EXCHELMT	M16#A.ASM	00011FDE
EXIT998A	M36#A.ASM	00021261
EXIT999	M36#A.ASM	000213F2
EXPR	M07#A.ASM	0000A4EC
FDRVRDEV	M36#A.ASM	0002221D
FIELD	M30#A.ASM	0001BADB
FILE_A	M05#A.ASM	0000732E
FILE_A5	M05#A.ASM	000073CF
FILE_ADR	M05#A.ASM	000073E0
FILE_B	M05#A.ASM	00007339
FILE_E	M40#A.ASM	000229D0
FILE_PTR	M05#A.ASM	000073D7
FILELOCS	DATA1#B.ASM	000249BB
FILENAME	DATA1#B.ASM	00024B46
FILENAMH	DATA1#B.ASM	00024B21
FILENAMP	DATA1#B.ASM	00024AA4
FILENAMS	DATA1#B.ASM	00024AA9
FILENMDA	DATA1#B.ASM	00024ABC
FILENMXA	DATA1#B.ASM	00024AD2
FINDDEF@	M06#A.ASM	000098DC
FINDDEFC	M06#A.ASM	0000982F
FINDDEFD	M06#A.ASM	00009835
FINDDEFX	M06#A.ASM	0000988F
FINDDEV	M33#A.ASM	0001EDA2
FINDDFA@	M06#A.ASM	000098E1
FINDFNC	M07#A.ASM	0000C38E
FINDGRTH	M01#A.ASM	00003F14
FINDNAMH	DATA1#B.ASM	00024BC2
FINDST	M01#A.ASM	00003F96

FINDST2	M01#A.ASM	00003FA2
FINDSTI	M01#A.ASM	00003F7F
FINDVAR	M06#A.ASM	00009E7F
FINDVARL	M06#A.ASM	00009EB2
FIX_FMT	M12#A.ASM	0000F4B1
FLTBIN	M06#A.ASM	0000907C
FLTBINA	M06#A.ASM	00009036
FLTBINB	M06#A.ASM	00009063
FLTBINSA	M06#A.ASM	00008FE8
FLTBN	M06#A.ASM	000091DB
FLTBNC	M06#A.ASM	00009284
FLTBNCCC	M06#A.ASM	000092D7
FLTBNL	M06#A.ASM	00009293
FN_	M07#A.ASM	0000C3D4
FN_ID	M07#A.ASM	0000C45E
FNC_PI	M07#A.ASM	0000B531
FNCEND	M07#A.ASM	0000B5B3
FNCERR	M07#A.ASM	0000B576
FNCMAX	M07#A.ASM	0000B715
FNCMIN	M07#A.ASM	0000B759
FNCMOD	M07#A.ASM	0000B612
FNCRD	M07#A.ASM	0000B656
FNCSPC	M07#A.ASM	0000B3D9
FNCVER	M07#A.ASM	0000BDB8
FOR	M60#A.ASM	0002F138
FORMAT	M17#A.ASM	000137AC
FORMATD	M43#A.ASM	00029165
FREEDISK	M01#A.ASM	00004DAD
FRESET	M32#A.ASM	0001D2D7
FRMTDRAM	M40#A.ASM	00023775
FTMATCH	DATA1#B.ASM	00025902
FUNCFN	M07#A.ASM	0000C1D8
FUNCTION	M07#A.ASM	0000B348
GETCMEM	M36#A.ASM	00021F6D
GETDATA	M11#A.ASM	0000E479
GETDIM	M50#A.ASM	0002B927
GETDIMA	M50#A.ASM	0002B945
GETDRDEV	M55#A.ASM	0002DB77
GETFLPTR	DATA1#B.ASM	00024F84
GETINPT2	M12#A.ASM	0000F0F5
GETINPUT	M12#A.ASM	0000F0CB
GETLINE_	M27#A.ASM	00018144
GETNLCH_	M27#A.ASM	000177C3
GETNLCHS	M27#A.ASM	00017803
GETPLTTR	DATA1#B.ASM	00025097
GETTABL1	M36#A.ASM	00022047
GETTABL2	M36#A.ASM	00022073
GETTABL3	M36#A.ASM	000220DA
GETTABL4	M36#A.ASM	000220FC
GETTABL5	M36#A.ASM	000221B8
GETTABL6	M36#A.ASM	00022173

GETTABL_	M36#A.ASM	00022037
GETTERM1	M32#A.ASM	0001C351
GETTERM_	M32#A.ASM	0001C2FB
GETTERMA	M32#A.ASM	0001C31E
GETTIME	M90#A.ASM	0002F6DE
GIEND	END#A.ASM	00036000
GIO	M26#A.ASM	0001544E
GIOC12	M26#A.ASM	0001583A
GIOC1B	M26#A.ASM	00015B0B
GIOC40	M26#A.ASM	00015C6E
GIOC70	M26#A.ASM	00015CBF
GIOC80	M26#A.ASM	00015E10
GIOCA0	M26#A.ASM	00015F8D
GIOCC0	M26#A.ASM	000162DF
GIOCS20	M26#A.ASM	000165ED
GOSUB	M04#A.ASM	0000657C
GOSUBA	M04#A.ASM	000065DF
GOSUBP	M04#A.ASM	0000664F
GOSUBPI	M04#A.ASM	000066F9
GOTO	M04#A.ASM	00006497
GOTOB	M04#A.ASM	0000650B
GR_THRDS	M01#A.ASM	00003E5C
GTFLPTRS	DATA1#B.ASM	00024FBF
HEXDIGIT	M02#A.ASM	000050BA
HEXDIGTA	M02#A.ASM	000050BA
HEXFIX	M16#A.ASM	00011F86
HEXPACK	M17#A.ASM	00014014
HEXPAIR	M02#A.ASM	000057F8
HEXPRINT	M14#A.ASM	00010410
HEXSTMT	M17#A.ASM	00014165
HEXUNPAK	M17#A.ASM	000140E1
HITRESET	M33#A.ASM	0001E7A0
HOG_TABLE	HEADR#B.ASM	00000C2A
HPIOF	M32#A.ASM	0001CAAC
HPIOF1	M32#A.ASM	0001CAD1
HPION	M32#A.ASM	0001CA90
HPION1	M32#A.ASM	0001CAAB
HPION2	M32#A.ASM	0001CAA4
IBSENDIB	M05#A.ASM	00007DD1
ICHECK	M49#A.ASM	00029E92
ICLEAR	M49#A.ASM	00029E71
IDRVR1	M36#A.ASM	00022215
IDRVRDEV	M36#A.ASM	000221D0
IDRVRDV1	M36#A.ASM	000221DB
IF_	M04#A.ASM	00006877
IFB_	M04#A.ASM	00006979
IFF_	M04#A.ASM	00006974
ILLSTMT	M12#A.ASM	0000F37B
IMAGE	M15#A.ASM	000108AB
IMAGE_	M15#A.ASM	00010ECB
IMMEDERR	M01#A.ASM	000048F9

INIT	M14#A.ASM	00010394
INIT_CLOSE	M05#A.ASM	000089E1
INITCK	M90#A.ASM	0002F798
INITELM1	M16#A.ASM	00011FFD
INITELMT	M16#A.ASM	00012013
INITRAMD	M40#A.ASM	000237F4
INITSTKA	M01#A.ASM	00004BFD
INITSTKB	M01#A.ASM	00004C22
INITSTKS	M01#A.ASM	00004C5E
INITTEXT	M01#A.ASM	00003FF1
INITVAR	M06#A.ASM	0000A1E2
INPER_75	M12#A.ASM	0000F286
INPUT	M12#A.ASM	0000F058
INPUT1	M12#A.ASM	0000F08B
INPUT6	M12#A.ASM	0000F05D
INPUTA	M12#A.ASM	0000F0B0
INPUTP	M36#A.ASM	00021B1B
INPUTS10	M36#A.ASM	00021C58
INPUTS11	M36#A.ASM	00021C5D
INPUTS2	M36#A.ASM	00021D30
INPUTS3	M36#A.ASM	00021D35
INPUTS4	M36#A.ASM	00021DD9
INPUTS40	M36#A.ASM	00021BA3
INPUTS41	M36#A.ASM	00021BBC
INPUTS42	M36#A.ASM	00021C28
INPUTS44	M36#A.ASM	00021C44
INPUTS45	M36#A.ASM	00021E09
INPUTS47	M36#A.ASM	00021C4E
INPUTS5	M36#A.ASM	00021DB1
INPUTS6	M36#A.ASM	00021E3D
INPUTS7	M36#A.ASM	00021E4A
INPUTS9	M36#A.ASM	00021E61
INPUTS90	M36#A.ASM	00021E5C
INPUTSCR	M36#A.ASM	00021B68
INPUTSUB	M12#A.ASM	0000F30E
INTEGER	M02#A.ASM	000056FD
INTINDX	DATA1#B.ASM	000247A4
IOBUFTXT	M16#A.ASM	00011D77
IPOLL	M49#A.ASM	00029F39
IRTEXTBG	M32#A.ASM	0001C2A4
KEYIN	M35#A.ASM	0001FD4C
KKK111	M33#A.ASM	0001ED57
KKKKK	M33#A.ASM	0001ED01
LCPRNTCR	M27#A.ASM	000199B4
LDAUXEND	M32#A.ASM	0001CBBF
LDCMSG14	M91#A.ASM	000305F6
LDCMSG15	M91#A.ASM	000305FB
LDCMSG16	M91#A.ASM	00030600
LDCMSG7	M91#A.ASM	000305F1
LDREG10	M32#A.ASM	0001CBEE
LDREG3	M32#A.ASM	0001CC00

LDREG6	M32#A.ASM	0001CBDF
LDTMSG1	M91#A.ASM	000305BF
LDTMSG17	M91#A.ASM	00030605
LDTMSG2	M91#A.ASM	000305C4
LDTMSG3	M91#A.ASM	000305C9
LDTMSG4	M91#A.ASM	000305CE
LDTMSG5	M91#A.ASM	000305D3
LDTMSG6	M91#A.ASM	000305D8
LDTSCTR	M27#A.ASM	00018EDC
LDTWIDTH	M27#A.ASM	00018E75
LEN	M07#A.ASM	0000B6A5
LET	M04#A.ASM	00006343
LETA	M04#A.ASM	000063C3
LETRDIGT	M02#A.ASM	00004FE0
LETTER	M02#A.ASM	0000501B
LETTERA	M02#A.ASM	0000501D
LIMITS	M43#A.ASM	000282EC
LINE_	M02#A.ASM	0000548A
LINE_REF	M02#A.ASM	0000545E
LINPUT	M35#A.ASM	0001FB54
LIST	M27#A.ASM	00016DB8
LIST51	M27#A.ASM	000170AC
LIST?QU	M27#A.ASM	000181D9
LIST_	M27#A.ASM	00017962
LISTCOM	M27#A.ASM	00018EEB
LISTDC	DATA1#B.ASM	000240D6
LISTDIM	M27#A.ASM	00018F27
LISTDONE	M27#A.ASM	0001716C
LISTDRVR	M27#A.ASM	00018C97
LISTDTX	M27#A.ASM	00018BA0
LISTDTXX	M27#A.ASM	00018BC7
LISTDVT	M27#A.ASM	000186B3
LISTEND	M27#A.ASM	0001716C
LISTIT	M27#A.ASM	00017AE5
LISTLINE	M27#A.ASM	0001725D
LISTLINS	M27#A.ASM	000172E8
LISTLN_	M27#A.ASM	0001780E
LISTLNF	M27#A.ASM	00017785
LISTM	M01#A.ASM	000045AD
LISTT	M27#A.ASM	00018492
LISTT30	M27#A.ASM	00018452
LISTTA	M27#A.ASM	0001857C
LISTV	M27#A.ASM	00017D7D
LISTVAR	M27#A.ASM	0001805F
LITERAL	M10#A.ASM	0000D944
LN_RANGA	M02#A.ASM	00005873
LN_RANGE	M02#A.ASM	00005841
LOAD	M42#A.ASM	000278BA
LOADBLK	M40#A.ASM	00023450
LOADDATA	M40#A.ASM	00023273
LOADDBLK	M40#A.ASM	00023404

LOADLBLK	M40#A.ASM	00023437
LOADMXD	M36#A.ASM	000216C3
LOADMXD4	M36#A.ASM	00021741
LOADMXE	M36#A.ASM	00021746
LOADP	M42#A.ASM	00025A1F
LOADREGA	M32#A.ASM	0001CB37
LOADREGS	M32#A.ASM	0001CADF
LOADRUN	M42#A.ASM	00027F78
LOADSTK	M32#A.ASM	0001CB61
LONGLINE	M01#A.ASM	00004914
LOWUPCH	M01#A.ASM	00004F85
LSTVENDL	M27#A.ASM	00017F0F
LTRLQT	M10#A.ASM	0000DC6D
M36_23	M36#A.ASM	00021CD0
MAKDRVRE	M36#A.ASM	00021364
MALG	MATH#A.ASM	00033B76
MANREG	MATH#A.ASM	000318E4
MAT	M50#A.ASM	00029FBC
MATADD	M50#A.ASM	0002A292
MATCON	M50#A.ASM	0002A090
MATCOPY	M30#A.ASM	0001A49F
MATDIM	M50#A.ASM	0002B5DC
MATDSPLA	M16#A.ASM	0001210A
MATEQU	M50#A.ASM	0002A188
MATEQUAL	M50#A.ASM	0002A1A4
MATHABS	MATH#A.ASM	0003376A
MATHACOS	MATH#A.ASM	00033440
MATHADD	MATH#A.ASM	0003165A
MATHADD1	MATH#A.ASM	0003160B
MATHADD2	MATH#A.ASM	00031627
MATHASIN	MATH#A.ASM	00033256
MATHATAN	MATH#A.ASM	00033020
MATHCMP	MATH#A.ASM	0003152B
MATHCMP1	MATH#A.ASM	00031518
MATHCOS	MATH#A.ASM	00032EB9
MATHDIV	MATH#A.ASM	00031EC3
MATHDIV1	MATH#A.ASM	00031E7A
MATHDIV2	MATH#A.ASM	00031E93
MATHERR	M01#A.ASM	000046A8
MATHEXP	MATH#A.ASM	00032C29
MATHFIX	MATH#A.ASM	0003374F
MATHINT	MATH#A.ASM	000335EE
MATHLGT	MATH#A.ASM	00032350
MATHLOG	MATH#A.ASM	0003259D
MATHMAX	MATH#A.ASM	00032BC7
MATHMIN	MATH#A.ASM	00032BF8
MATHMOD	MATH#A.ASM	000337B2
MATHMUL	MATH#A.ASM	00031A36
MATHMUL1	MATH#A.ASM	000319EC
MATHMUL2	MATH#A.ASM	00031A05
MATHNRND	MATH#A.ASM	000335C3

MATHRD	MATH#A.ASM	000339F9
MATHRND0	MATH#A.ASM	00033AA2
MATHRNDX	MATH#A.ASM	000334AF
MATHSGN	MATH#A.ASM	00033B1F
MATHSIN	MATH#A.ASM	00032E97
MATHSQR	MATH#A.ASM	0003299F
MATHSUB	MATH#A.ASM	0003170A
MATHSUB1	MATH#A.ASM	000316BC
MATHSUB2	MATH#A.ASM	000316D7
MATHTAN	MATH#A.ASM	00032DDF
MATHX2Y	MATH#A.ASM	00032623
MATIDN	M50#A.ASM	0002A0A1
MATINPUT	M50#A.ASM	0002B1D7
MATINV	M50#A.ASM	0002A7A2
MATLET	M50#A.ASM	00029FF8
MATMOVE	M30#A.ASM	0001AA10
MATMPY	M50#A.ASM	0002A541
MATPRINT	M50#A.ASM	0002B073
MATREAD	M50#A.ASM	0002B1F6
MATREDIM	M50#A.ASM	0002B030
MATSMPY	M50#A.ASM	0002A215
MATSUB	M50#A.ASM	0002A286
MATTRN	M50#A.ASM	0002A442
MATVAR	M50#A.ASM	0002B43E
MATVAR$	M50#A.ASM	0002B432
MATZER	M50#A.ASM	0002A0B2
MAXNVALUE	MATH#A.ASM	00030FA4
MAXVALUE	MATH#A.ASM	00030F9C
MERGE	M30#A.ASM	0001B426
MOVE	M43#A.ASM	000292F6
MOVEELMT	M16#A.ASM	00011FC6
MOVETAB1	M36#A.ASM	00021EDE
MOVETAB2	M36#A.ASM	00021FF5
MOVETAB3	M36#A.ASM	0002200C
MOVETABL	M36#A.ASM	00021E8D
MOVETABM	M36#A.ASM	00021F66
MOVEVALF	M16#A.ASM	000120AC
MOVEVALU	M16#A.ASM	00012085
MSGATOMS	M91#A.ASM	0003060A
MSGBASE	M91#A.ASM	0002FD88
MSGFUNC	M13#A.ASM	0000FC0C
MSTRINIT	M36#A.ASM	0002119E
MSTRTABL	M55#A.ASM	0002BADC
MSWRTBEG	M40#A.ASM	000225EB
MSWRTEND	M40#A.ASM	00022748
MVSCRTCH	M32#A.ASM	0001C1FC
MVSCRTCH1	M32#A.ASM	0001C21D
MXDINIT	M36#A.ASM	000219A1
MXDINIT1	M36#A.ASM	000219D9
MXDLOADD	M36#A.ASM	00021A2F
MXDPOWER	M36#A.ASM	000219DF

20947

MXDSTA70	M32#A.ASM	0001CEEA
MXDSTAT	M32#A.ASM	0001CD56
MXDSTAT6	M32#A.ASM	0001CDD6
MXDSTAT8	M32#A.ASM	0001D039
MXDTYPE	M36#A.ASM	000219ED
MXDTYPE1	M36#A.ASM	00021A27
MXEPSW	M98#A.ASM	00030D11
MXESTA	M98#A.ASM	00030DA6
MXESTA6	M98#A.ASM	00030E3A
MXMNARG	M07#A.ASM	0000B79B
MXMNARGX	M07#A.ASM	0000B794
NAME2FR	M30#A.ASM	0001BDC6
NAME_	M30#A.ASM	0001BD47
NAMEA	M30#A.ASM	0001BD26
NAMECHK	M50#A.ASM	0002B979
NAMEINIT	M36#A.ASM	000211CB
NCRYPT	M24#A.ASM	00014E7A
NEWEOF	DATA1#B.ASM	0002485B
NEWNAMEF	DATA1#B.ASM	00024A57
NEWTOOLD	M30#A.ASM	0001BEE1
NEXT	M60#A.ASM	0002F2C4
NEXTGO?QU	M27#A.ASM	00017C79
NEXTGO?QUA	M27#A.ASM	00017C5B
NEXTREF	M27#A.ASM	00017D50
NEXTREFA	M27#A.ASM	00017D30
NEXTREFS	M27#A.ASM	00017D1E
NEXTSTMT	M04#A.ASM	00006BCB
NEXTVAR	M06#A.ASM	0000A262
NEXTVARL	M06#A.ASM	0000A29C
NMBR	M07#A.ASM	0000AB40
NMBR11	M07#A.ASM	0000B28B
NMBR14	M07#A.ASM	0000AF2E
NMBR30	M07#A.ASM	0000AE54
NMBRCH	M07#A.ASM	0000B332
NMBRINIT	M07#A.ASM	0000B2D8
NMIOCHK	M32#A.ASM	0001C9DD
NORMAL_1	M32#A.ASM	0001C6CF
NUM	M07#A.ASM	0000BB28
NUMBER	M07#A.ASM	0000A9E1
NUMCH	M16#A.ASM	0001242C
NXTCHEOS	M02#A.ASM	00005691
NXTDVL	M11#A.ASM	0000E36D
NXTDVLA	M11#A.ASM	0000E3F5
NXTINPT	M12#A.ASM	0000F16B
NXTLOW	M01#A.ASM	000037BF
NXTSEP	M16#A.ASM	00011ED0
OBSBLK	M05#A.ASM	00007C38
OBSBLKNT	M05#A.ASM	00007D2F
OBSCMPRS	M05#A.ASM	00007CAE
OBSCMPSP	M05#A.ASM	00007CA7
OBSDISK	M40#A.ASM	0002321E

OBSECHO	M40#A.ASM	000231C6
OBSN09	M05#A.ASM	00007C5A
OBSNR	M05#A.ASM	00007BBD
OBSNT	M05#A.ASM	00007B9E
OBSNTC	M05#A.ASM	00007BC8
OBSTROBD	M05#A.ASM	00007B64
OBSTROBE	M05#A.ASM	00007B51
OLDTONEW	M30#A.ASM	0001BFF3
ON	M11#A.ASM	0000DDA8
ONBRANCH	M06#A.ASM	00009964
ONERR	M14#A.ASM	0001058A
ONERROR	M14#A.ASM	000104F3
ONSCAN	M11#A.ASM	0000DF5F
OPARITH	M13#A.ASM	0000FF6A
OPERAND$	M13#A.ASM	0000F958
OPERND1$	M13#A.ASM	0000F9B4
OPLGCL	M13#A.ASM	0000FE4A
OPRATOR$	M13#A.ASM	0000FD51
OR	M14#A.ASM	0001024B
OUTCODE	M55#A.ASM	0002EFB0
PACK	M15#A.ASM	000116BD
PARTINIT	M36#A.ASM	00022253
PASSARG	M04#A.ASM	00006816
PERRMXE	M98#A.ASM	00030EBF
PLATTER	M40#A.ASM	00022874
PLATTERA	M40#A.ASM	0002288B
PLATTERX	M40#A.ASM	000228CA
PLOT	M28#A.ASM	000199C8
POS	M07#A.ASM	0000C001
POSARR1	M30#A.ASM	0001BBF5
PRE_FLG	MATH#A.ASM	000313AC
PRIME	M01#A.ASM	00002EDE
PRIME3	M01#A.ASM	00003026
PRIME4	M01#A.ASM	00003144
PRINT	M12#A.ASM	0000E95E
PRINTBEG	M12#A.ASM	0000EB03
PRINTEND	M12#A.ASM	0000EACF
PRINTU31	M15#A.ASM	00010BF8
PRINTU32	M15#A.ASM	00010A2F
PRINTV	M05#A.ASM	00008021
PRINTVA	M05#A.ASM	0000801A
PRNTAT	M12#A.ASM	0000EBDF
PRNTBOX	M12#A.ASM	0000EE3F
PRNTCR	M05#A.ASM	00006C58
PRNTCR5	M05#A.ASM	00006C9C
PRNTDEF	M27#A.ASM	00017CAC
PRNTHEX	M12#A.ASM	0000EF9D
PRNTHX	M12#A.ASM	0000EFEF
PRNTLINE	M27#A.ASM	000171EF
PRNTREF	M27#A.ASM	0001815A
PRNTTAB	M12#A.ASM	0000EB49

PRNTUSNG	M15#A.ASM	000108C7
PROCST	M01#A.ASM	000035F2
PRTCTERR	M01#A.ASM	00004658
PRTINITA	M36#A.ASM	0002225D
PSTATFNC	M33#A.ASM	0001EE88
PSWRD	M90#A.ASM	0002F617
PUTHEX	M16#A.ASM	00011FA2
PUTLINF	M35#A.ASM	000202D4
PUTPLTTR	DATA1#B.ASM	00025028
QUERYLR	M35#A.ASM	0001F77E
R@TEMP	M32#A.ASM	0001C253
R@TEMP3	M32#A.ASM	0001C27A
R@TEMP6	M32#A.ASM	0001C265
RAW	M40#A.ASM	00022274
RAWOFF	M40#A.ASM	00022297
RAWON	M40#A.ASM	0002227F
RCVASCII	M16#A.ASM	0001215E
RDEFNADR	M32#A.ASM	0001C226
RDOFLAG	M32#A.ASM	0001C2B9
READ	M11#A.ASM	0000E1B8
READL	M35#A.ASM	0001F458
READL24	M35#A.ASM	0001F6BB
READPTL	M18#A.ASM	0001452E
READYMSG	M91#A.ASM	000305DD
RECALL	M35#A.ASM	0001FFFF
RECEV	M06#A.ASM	00008E32
RECEV2	M06#A.ASM	00008E63
RECEVPC	M06#A.ASM	00008EA6
RECEVX	M06#A.ASM	00008E3F
RECLINE	M35#A.ASM	0001F7D8
RECNUM	M06#A.ASM	00008E2D
RECSCTR	M40#A.ASM	00022803
REDIM	M50#A.ASM	0002B79B
REDIM$	M50#A.ASM	0002B7D6
REGLOAD	M26#A.ASM	00016807
REGLOADB	M26#A.ASM	00016847
REGLOADC	M26#A.ASM	00016842
REGSAVE	M26#A.ASM	00016792
REL	M06#A.ASM	00009B61
RELA_B	M06#A.ASM	00009C25
RELA_E	M06#A.ASM	00009C72
RELALPHB	M06#A.ASM	00009C9E
RELALPHC	M06#A.ASM	00009CE4
RELEXPR	M06#A.ASM	00009975
RELOP	M02#A.ASM	00005C51
REM	M04#A.ASM	0000642D
REMCO	M04#A.ASM	00006428
REMNULL	M04#A.ASM	00006428
RENUMBER	M23#A.ASM	0001466A
RESCHK	M01#A.ASM	00004CBC
RESET	M01#A.ASM	0000320A

RESETDSK	M05#A.ASM	000074A7
RESTART	M36#A.ASM	00020D68
RESTORE	M11#A.ASM	0000E20A
RETURN	M12#A.ASM	0000E6F7
RETURNP	M12#A.ASM	0000F38D
RFILE_	M32#A.ASM	0001C2DA
RGNP12	M36#A.ASM	00021416
RHASHFLG	M32#A.ASM	0001C244
RLSTERM	M33#A.ASM	0001D6C2
ROTATE	M11#A.ASM	0000DFB3
ROWCOL	M12#A.ASM	0000EDF1
RPARTEND	M32#A.ASM	0001C2EC
RPARTNDA	M32#A.ASM	0001C2F2
RQSTLINA	M35#A.ASM	0001F746
RQSTLINE	M35#A.ASM	0001F741
RSTOP_	M32#A.ASM	0001C2C8
RSTRSTKS	M01#A.ASM	00004C93
RTC_34	M90#A.ASM	0002F85A
RTRDISK	M32#A.ASM	0001C235
RUN	M03#A.ASM	00005F05
RUNB	M03#A.ASM	00006072
SAVE	M42#A.ASM	0002763F
SAVEDATA	M40#A.ASM	000234C8
SAVEPBLK	M42#A.ASM	00027495
SAVEPR70	M42#A.ASM	00026C08
SAVEPRG7	M42#A.ASM	00026C08
SAVEREGA	M32#A.ASM	0001CC99
SAVEREGS	M32#A.ASM	0001CC2D
SAVEREGX	M32#A.ASM	0001CC12
SAVERPRG	M42#A.ASM	00026AD6
SAVESTKS	M01#A.ASM	00004C6C
SAVSTACK	M32#A.ASM	0001CCC8
SAWM	M42#A.ASM	00000010
SBPCS	M06#A.ASM	00009973
SCANCHA	M02#A.ASM	00005110
SCANCHBX	M02#A.ASM	0000514A
SCNCHSS	M02#A.ASM	00005109
SCRATCHD	DATA1#B.ASM	0002513A
SCRNINP1	M36#A.ASM	00021E8C
SCRNINPO	M36#A.ASM	00021E66
SDRVRDEV	M05#A.ASM	0000795F
SEARCH	M30#A.ASM	0001A797
SECTOR	M40#A.ASM	00022798
SELECT	M08#A.ASM	0000C7DA
SELECTA	M08#A.ASM	0000C7C8
SELECTB	M08#A.ASM	0000C7E4
SETCLK	M90#A.ASM	0002F423
SETDEVLD	M43#A.ASM	0002914D
SETERRP	M01#A.ASM	0000402D
SETRESET	M36#A.ASM	00021A42
SETRSETB	M36#A.ASM	00021A3D

SKIPDO	M04#A.ASM	00006B78
SKIPDOG	M04#A.ASM	00006B8A
SLCT@	M33#A.ASM	0001D601
SLCT@CLR	M33#A.ASM	0001D365
SLCT@OFF	M33#A.ASM	0001D358
SLCTADDR	M08#A.ASM	0000CE52
SLCTADR1	M08#A.ASM	0000CECB
SLCTADR5	M08#A.ASM	0000CEA4
SLCTADRA	M08#A.ASM	0000CE85
SLCTADRO	M08#A.ASM	0000CFA4
SLCTCI	M08#A.ASM	0000C98F
SLCTCO	M08#A.ASM	0000C963
SLCTD	M08#A.ASM	0000CA0D
SLCTDISK	M08#A.ASM	0000C9F7
SLCTDRVR	M08#A.ASM	0000CC82
SLCTERM	M98#A.ASM	0003082D
SLCTFNC	M13#A.ASM	00010071
SLCTG	M08#A.ASM	0000CA19
SLCTLEN	M08#A.ASM	0000CFC5
SLCTMORE	M08#A.ASM	0000C78C
SLCTOFF	M49#A.ASM	00029C9C
SLCTON	M49#A.ASM	00029C6C
SLCTP	M08#A.ASM	0000CA53
SLCTPLOT	M08#A.ASM	0000C9D0
SLCTR	M08#A.ASM	0000CA25
SLCTTAPE	M08#A.ASM	0000C9E6
SLCTTC	M98#A.ASM	00030674
SLTADRT	M98#A.ASM	00030F23
SNMBR	M07#A.ASM	0000AB4A
SNUMBER	M07#A.ASM	0000A9B1
SORT	M30#A.ASM	00019F14
SPACEK	M07#A.ASM	0000B42D
SPACEKA	M07#A.ASM	0000B490
SPACES	M07#A.ASM	0000B4DE
SPACESK	M07#A.ASM	0000B49D
SQZTEXT	M02#A.ASM	0000536B
SQZTEXTL	M02#A.ASM	00005351
SRCHALPH	M30#A.ASM	0001B984
SRCHDEV	M33#A.ASM	0001D3AD
SRCHDEVA	M33#A.ASM	0001D3F7
SRCHDEVP	M33#A.ASM	0001D3C7
SRCHPLT	M05#A.ASM	00008736
START	M01#A.ASM	00003153
STATCNT	M26#A.ASM	00016724
STATUS	M26#A.ASM	00016705
STEP	M03#A.ASM	00005CFE
STOP	M08#A.ASM	0000C548
STOP_	M08#A.ASM	0000C61F
STRFNC	M10#A.ASM	0000D78B
STROBE	M26#A.ASM	00016863
STROBE70	M26#A.ASM	000169F0

STROBEK	M26#A.ASM	00016859
SUPERSTR	M91#A.ASM	0002FD88
SWITCH	M02#A.ASM	000057A8
SWITCHA	M02#A.ASM	00005796
SWTCHCOL	M50#A.ASM	0002BA41
SWTCHROW	M50#A.ASM	0002B993
SYSMSGS	M91#A.ASM	000305BF
TAB16	M05#A.ASM	00008215
TAB16A	M05#A.ASM	00008210
TABLERR	M36#A.ASM	0002222B
TABLLOAD	M36#A.ASM	000211FF
TABLNAME	M55#A.ASM	0002BF64
TABLSTRT	M55#A.ASM	0002C0D7
TAPIMOD1	M32#A.ASM	0001C36D
TAPIMODE	M32#A.ASM	0001C352
TCGIO	M98#A.ASM	00030BEC
TEMP_PTR	MATH#A.ASM	00031422
TERM_	M07#A.ASM	0000A5F3
TERM98	M07#A.ASM	0000A689
THREADL	M01#A.ASM	00003727
TIME	M90#A.ASM	0002FB23
TIMEOUT	M26#A.ASM	00016C72
TIMEUP	M90#A.ASM	0002FB79
TRACDSBL	M12#A.ASM	0000E6CA
TRACE	M12#A.ASM	0000E59C
TRACED	M44#A.ASM	00029A7C
TRACELIN	M05#A.ASM	000084E0
TRACELNA	M05#A.ASM	000084F0
TRACELNB	M05#A.ASM	0000856C
TRACENBL	M12#A.ASM	0000E64B
TRACEVAR	M05#A.ASM	00008351
TRACEVRA	M05#A.ASM	0000832A
TRAN	M26#A.ASM	00015217
TRANESC	M55#A.ASM	0002E8E4
TRLINE_	M06#A.ASM	00008ED1
TRLINE_1	M06#A.ASM	00008FB0
TRLINE_A	M06#A.ASM	00008EED
TRLINE_B	M06#A.ASM	00008F0B
TRNSFMSG	M91#A.ASM	000305E7
TSTAT2ND	M32#A.ASM	00000080
TSTATCSI	M32#A.ASM	00000002
TSTATRSI	M32#A.ASM	00000001
TSTATSI	M32#A.ASM	00000008
TWRIT2SP	M05#A.ASM	000080D6
TWRIT3SP	M05#A.ASM	000080D1
TWRIT4SP	M05#A.ASM	000080CC
TWRIT6SP	M05#A.ASM	000080C7
TWRITCOL	M05#A.ASM	000081BC
TWRITE	M05#A.ASM	000080E2
TWRITE0C	M05#A.ASM	000080BB
TWRITE0F	M05#A.ASM	00008203

TWRITE3X	M05#A.ASM	000080AF
TWRITEMN	M05#A.ASM	000081B0
TWRITEP	M05#A.ASM	00008094
TWRITESP	M05#A.ASM	000080DB
TWRITNSP	M05#A.ASM	0000818E
TWRT30SP	M05#A.ASM	0000817C
TXTSETA	M27#A.ASM	000181CB
TXTSETB	M27#A.ASM	000181CD
UNLISTV	M27#A.ASM	000171A9
UNLISTVA	M27#A.ASM	000171B9
UNPACK	M15#A.ASM	00011978
UNRESLVI	M01#A.ASM	00004CE9
UNRESLVS	M01#A.ASM	00004CE4
UNTHRD89	M01#A.ASM	0000396B
UNTHREAD	M01#A.ASM	00003812
UPLINE	M01#A.ASM	00004E6F
VAL	M07#A.ASM	0000B868
VAR	M07#A.ASM	0000A832
VAR9	M07#A.ASM	0000A8A7
VARA	M07#A.ASM	0000A852
VARB	M07#A.ASM	0000A87A
VARNAME	M02#A.ASM	00005959
VARNAMEA	M02#A.ASM	00005979
VARNAMEB	M02#A.ASM	00005B2C
VARR	M07#A.ASM	0000A82B
VDATE	M90#A.ASM	0002F410
VERBCHK	M02#A.ASM	00005BB1
VERIFY	M43#A.ASM	000284C3
VERIFYE	M43#A.ASM	000286FC
VERSION	M90#A.ASM	0002FB46
VJUMP	M01#A.ASM	00003665
VRFYMSG	M91#A.ASM	000305EC
VTIME	M90#A.ASM	0002F41C
VVFMT	M12#A.ASM	0000F3DA
VVFMTA	M12#A.ASM	0000F3E0
VVFMTB	M12#A.ASM	0000F3C9
WAIT16RB	M05#A.ASM	00007F3F
WAIT50RB	M05#A.ASM	00007F35
WAIT50RBX	M05#A.ASM	00007F2B
WAITIBS	M05#A.ASM	00007D4E
WAITIBSE	M05#A.ASM	00007D8E
WAITIBSF	M05#A.ASM	00007D94
WAITIND	M26#A.ASM	00016AF4
WAITINK	M26#A.ASM	00016AA0
WAITRDB6	M98#A.ASM	00030E9B
WAITRDY	M05#A.ASM	00007F49
WAITRDYB	M05#A.ASM	00007E1D
WAKEUP	M33#A.ASM	0001E96A
WAKEUPA	M33#A.ASM	0001E957
WAKEUPP	M33#A.ASM	0001EA65
WORDLENA	M05#A.ASM	00007FE1

WORK_BUFFER	M12#A.ASM	0000F677
WRT@	M05#A.ASM	000086FC
WRT@ORSP	M05#A.ASM	00008721
WRTBLK	M05#A.ASM	00008245
WRTBLKB	M05#A.ASM	00008263
WRTBLKP	M05#A.ASM	0000827B
WRTDADDR	M05#A.ASM	000082AB
WRTDADRF	M05#A.ASM	000082B2
WRTERRSTRCM	M91#A.ASM	0002FBB8
WRTHEX	M05#A.ASM	00008631
WRTHEXB	M05#A.ASM	000086C0
WRTHEXCH	M05#A.ASM	00008675
WRTHEXS	M05#A.ASM	0000868B
WRTLIN_2	M05#A.ASM	00007FB5
WRTLIN_4	M05#A.ASM	00007F92
WRTLINE_	M05#A.ASM	00007F60
WRTNIB	M05#A.ASM	000085F2
WRTSTRCM	M91#A.ASM	0002FC5C
WRTVAL	M05#A.ASM	0000859A
WRTVAL16	M05#A.ASM	000085C3
WRTVAL8	M05#A.ASM	000085BC
WRTVALA	M05#A.ASM	000085A1
WRTVNAME	M05#A.ASM	00008394
WRTVNAMF	M05#A.ASM	0000839F
WRTWORD	M05#A.ASM	00008240
WRTWORDF	M05#A.ASM	00008299
X1111	M05#A.ASM	00008AA9
X2222	M05#A.ASM	00008B4F
XOR	M14#A.ASM	00010259
XRTEXTBG	M32#A.ASM	0001C28F

Global

MODULES - LABEL ORDERED LIST

@@OSEND	GLOBAL#A.ASM	0000246E
@@VARTHD	GLOBAL#A.ASM	00002472
@@VSEND	GLOBAL#A.ASM	0000246A
_$	GLOBAL#A.ASM	00001F54
_$L	GLOBAL#A.ASM	000020A4
_$LST	GLOBAL#A.ASM	00001804
_50MS	GLOBAL#A.ASM	000016F8
_@	GLOBAL#A.ASM	0000215D
__	GLOBAL#A.ASM	00001FF2
__PI	GLOBAL#A.ASM	00001FA5
_ABCOV	GLOBAL#A.ASM	00001C24
_ABS	GLOBAL#A.ASM	00001FF6
_ADD	GLOBAL#A.ASM	00001F11
_ALERT	GLOBAL#A.ASM	00002173
_ALL	GLOBAL#A.ASM	00001D7E
_AND	GLOBAL#A.ASM	00001EE4
_AOPL	GLOBAL#A.ASM	000020F8
_AOPLST	GLOBAL#A.ASM	00001818
_ARC	GLOBAL#A.ASM	00001FE0
_ARCFLST	GLOBAL#A.ASM	00002044
_ARCOS	GLOBAL#A.ASM	0000204B
_ARSIN	GLOBAL#A.ASM	00002045
_ARTAN	GLOBAL#A.ASM	00002051
_AT	GLOBAL#A.ASM	00001DC0
_ATN	GLOBAL#A.ASM	00002032
_BA	GLOBAL#A.ASM	00001D74
_BACKSPC	GLOBAL#A.ASM	00001EB3
_BEG	GLOBAL#A.ASM	00001DBB
_BIN	GLOBAL#A.ASM	00001F16
_BOOL	GLOBAL#A.ASM	00001F0B
_BOX	GLOBAL#A.ASM	00001766
_BREAK	GLOBAL#A.ASM	00002165
_BT	GLOBAL#A.ASM	00001D6F
_CLEAR	GLOBAL#A.ASM	00001C95
_CLOSE	GLOBAL#A.ASM	00001D83
_CMNDLST	GLOBAL#A.ASM	00001C8F
_COM	GLOBAL#A.ASM	00001E67
_CON	GLOBAL#A.ASM	0000172F
_CONT	GLOBAL#A.ASM	00001F86
_CONVERT	GLOBAL#A.ASM	00001EDA
_COPY	GLOBAL#A.ASM	00001F2F
_COS	GLOBAL#A.ASM	00001FFC
_CPU	GLOBAL#A.ASM	00001770
_CRC	GLOBAL#A.ASM	0000218C
_CSVER	GLOBAL#A.ASM	00001775
_CURSOR	GLOBAL#A.ASM	000017B9
_DA	GLOBAL#A.ASM	00001D65
_DAC	GLOBAL#A.ASM	00001DD4

_DATA	GLOBAL#A.ASM	00001E3A
_DATE	GLOBAL#A.ASM	0000179B
_DATEV	GLOBAL#A.ASM	00001F90
_DBACKSP	GLOBAL#A.ASM	00001F3E
_DC	GLOBAL#A.ASM	00001D6A
_DEFFN	GLOBAL#A.ASM	00001E6D
_DEVCI	GLOBAL#A.ASM	00001C84
_DEVCO	GLOBAL#A.ASM	00001C8C
_DEVDISK	GLOBAL#A.ASM	00001C8A
_DEVPLOT	GLOBAL#A.ASM	00001C86
_DEVTAPE	GLOBAL#A.ASM	00001C88
_DIM	GLOBAL#A.ASM	00001E61
_DISK	GLOBAL#A.ASM	00001D36
_DO	GLOBAL#A.ASM	0000217A
_DRIVER	GLOBAL#A.ASM	00001D3D
_DSC	GLOBAL#A.ASM	00001DDA
_DSCNCT	GLOBAL#A.ASM	00001789
_DSKIP	GLOBAL#A.ASM	00001F36
_DTLSL	GLOBAL#A.ASM	0000211C
_DTLSLST	GLOBAL#A.ASM	0000181C
_ELSE	GLOBAL#A.ASM	00001F7F
_END	GLOBAL#A.ASM	00001E5C
_ERR	GLOBAL#A.ASM	00001FDB
_ERR$	GLOBAL#A.ASM	0000217E
_ERROR	GLOBAL#A.ASM	00001F67
_ERRORU	GLOBAL#A.ASM	00002057
_EXP	GLOBAL#A.ASM	00002002
_FILENAM	GLOBAL#A.ASM	0000214C
_FIX	GLOBAL#A.ASM	0000203E
_FN	GLOBAL#A.ASM	00001FA1
_FN_L	GLOBAL#A.ASM	00002130
_FN_LST	GLOBAL#A.ASM	00001820
_FNC2LST	GLOBAL#A.ASM	00001FA0
_FOR	GLOBAL#A.ASM	00001E34
_FORMAT	GLOBAL#A.ASM	00001DF3
_FROM	GLOBAL#A.ASM	000017C5
_FUNCLST	GLOBAL#A.ASM	00001FF5
_GIO	GLOBAL#A.ASM	0000173E
_GOSUB	GLOBAL#A.ASM	00001E24
_GOTO	GLOBAL#A.ASM	00001E1D
_HEX	GLOBAL#A.ASM	00001DAF
_HEXL	GLOBAL#A.ASM	00001DB5
_HEXOF	GLOBAL#A.ASM	00001DC5
_HEXP	GLOBAL#A.ASM	00001F22
_ID	GLOBAL#A.ASM	0000176C
_IDN	GLOBAL#A.ASM	00001725
_IF	GLOBAL#A.ASM	00001E18
_IMAGE	GLOBAL#A.ASM	00001E9C
_INIT	GLOBAL#A.ASM	00001F1C
_INITPSW	GLOBAL#A.ASM	00002190
_INPUT	GLOBAL#A.ASM	00001E54

_INT	GLOBAL#A.ASM	00002008
_INV	GLOBAL#A.ASM	0000171F
_KEYIN	GLOBAL#A.ASM	00001F27
_LEN	GLOBAL#A.ASM	00001FAA
_LET	GLOBAL#A.ASM	00001E4E
_LGT	GLOBAL#A.ASM	00002038
_LIMITS	GLOBAL#A.ASM	00001F4B
_LINES	GLOBAL#A.ASM	00001750
_LIST	GLOBAL#A.ASM	00001F57
_LNPT	GLOBAL#A.ASM	00001F76
_LOAD	GLOBAL#A.ASM	00001E95
_LOG	GLOBAL#A.ASM	0000200E
_LRC	GLOBAL#A.ASM	00002188
_LSEQL	GLOBAL#A.ASM	00001D79
_LTRL	GLOBAL#A.ASM	00001DD1
_MAT	GLOBAL#A.ASM	00001E9F
_MATFL	GLOBAL#A.ASM	0000208C
_MATFLST	GLOBAL#A.ASM	0000180C
_MATL	GLOBAL#A.ASM	00002060
_MATLST	GLOBAL#A.ASM	00001808
_MAX	GLOBAL#A.ASM	00001FC2
_MERGE	GLOBAL#A.ASM	00001749
_MIN	GLOBAL#A.ASM	00001FC8
_MOD	GLOBAL#A.ASM	00001FCE
_MOVE	GLOBAL#A.ASM	00001ECE
_MSG	GLOBAL#A.ASM	00002160
_NAME	GLOBAL#A.ASM	000017CB
_NEXT	GLOBAL#A.ASM	00001E11
_NO	GLOBAL#A.ASM	0000173A
_NUM	GLOBAL#A.ASM	00001FB6
_OFF	GLOBAL#A.ASM	00001DAA
_ON	GLOBAL#A.ASM	00001ED5
_OPEN	GLOBAL#A.ASM	00001D5E
_OR	GLOBAL#A.ASM	00001EEA
_PACK	GLOBAL#A.ASM	00001EFD
_PART	GLOBAL#A.ASM	000017AB
_PLOT	GLOBAL#A.ASM	00001EA5
_POS	GLOBAL#A.ASM	00001FBC
_PRINT	GLOBAL#A.ASM	00001E09
_PRNTL	GLOBAL#A.ASM	000020E4
_PRNTLST	GLOBAL#A.ASM	00001814
_PRNTUSG	GLOBAL#A.ASM	00001DFC
_PSTAT	GLOBAL#A.ASM	0000216C
_PSWRD	GLOBAL#A.ASM	000017A1
_RE	GLOBAL#A.ASM	00001F9C
_READ	GLOBAL#A.ASM	00001E41
_RELEASE	GLOBAL#A.ASM	00002154
_REM	GLOBAL#A.ASM	00001E48
_RENUM	GLOBAL#A.ASM	00001C9C
_RESTORE	GLOBAL#A.ASM	00001E82
_RETURN	GLOBAL#A.ASM	00001E2C

_REWIND	GLOBAL#A.ASM	00001EAB
_RND	GLOBAL#A.ASM	00002026
_ROTATE	GLOBAL#A.ASM	00001EF5
_ROUND	GLOBAL#A.ASM	00001FD4
_RUN	GLOBAL#A.ASM	00001C90
_SAVE	GLOBAL#A.ASM	00001F6F
_SCRATCH	GLOBAL#A.ASM	00001EC4
_SCREEN	GLOBAL#A.ASM	000017B1
_SEARCH	GLOBAL#A.ASM	00001DE5
_SELECT	GLOBAL#A.ASM	00001E8C
_SGN	GLOBAL#A.ASM	0000201A
_SIN	GLOBAL#A.ASM	00002014
_SKIP	GLOBAL#A.ASM	00001EBE
_SLCTCI	GLOBAL#A.ASM	00001D2E
_SLCTCO	GLOBAL#A.ASM	00001D32
_SLCTD	GLOBAL#A.ASM	00001D45
_SLCTG	GLOBAL#A.ASM	00001D4B
_SLCTL	GLOBAL#A.ASM	00001CA8
_SLCTLST	GLOBAL#A.ASM	00001810
_SLCTP	GLOBAL#A.ASM	00001D54
_SLCTR	GLOBAL#A.ASM	00001D48
_SORT	GLOBAL#A.ASM	00001DED
_SPACE	GLOBAL#A.ASM	00001FEB
_SPLOT	GLOBAL#A.ASM	00001D4E
_SQR	GLOBAL#A.ASM	00002020
_SS	GLOBAL#A.ASM	00001DCD
_STEP	GLOBAL#A.ASM	00001DA3
_STOP	GLOBAL#A.ASM	00001E74
_STR	GLOBAL#A.ASM	00001D9D
_SUB	GLOBAL#A.ASM	00001DE0
_TAB	GLOBAL#A.ASM	00001D97
_TAN	GLOBAL#A.ASM	0000202C
_TAPE	GLOBAL#A.ASM	00001D28
_TC	GLOBAL#A.ASM	000017C1
_TEMP	GLOBAL#A.ASM	00001D57
_TERM	GLOBAL#A.ASM	00001760
_TERMINL	GLOBAL#A.ASM	00001756
_THEN	GLOBAL#A.ASM	00001D8B
_TIME	GLOBAL#A.ASM	00001795
_TIMESLICE	GLOBAL#A.ASM	0000177E
_TIMEV	GLOBAL#A.ASM	00001F96
_TO	GLOBAL#A.ASM	00001D92
_TRACE	GLOBAL#A.ASM	00001E7B
_TRAN	GLOBAL#A.ASM	00001743
_TRN	GLOBAL#A.ASM	00001734
_UNPACK	GLOBAL#A.ASM	00001F03
_VAL	GLOBAL#A.ASM	00001FB0
_VER	GLOBAL#A.ASM	00001FE5
_VERBLST	GLOBAL#A.ASM	00001DFB
_VERIFY	GLOBAL#A.ASM	00001F5E
_XOR	GLOBAL#A.ASM	00001EEF

_ZER	GLOBAL#A.ASM	0000172A
A0	GLOBAL#A.ASM	00001508
A1	GLOBAL#A.ASM	0000150A
A2	GLOBAL#A.ASM	0000150C
A3	GLOBAL#A.ASM	0000150E
A4	GLOBAL#A.ASM	00001510
A5	GLOBAL#A.ASM	00001512
A6	GLOBAL#A.ASM	00001514
A7	GLOBAL#A.ASM	00001516
A8	GLOBAL#A.ASM	00001518
AUX00	GLOBAL#A.ASM	0000146C
AUX01	GLOBAL#A.ASM	00001470
AUX02	GLOBAL#A.ASM	00001474
AUX03	GLOBAL#A.ASM	00001478
AUX04	GLOBAL#A.ASM	0000147C
AUX05	GLOBAL#A.ASM	00001480
AUX06	GLOBAL#A.ASM	00001484
AUX07	GLOBAL#A.ASM	00001488
AUX08	GLOBAL#A.ASM	0000148C
AUX09	GLOBAL#A.ASM	00001490
AUX0A	GLOBAL#A.ASM	00001494
AUX0B	GLOBAL#A.ASM	00001498
AUX0C	GLOBAL#A.ASM	0000149C
AUX0D	GLOBAL#A.ASM	000014A0
AUX0E	GLOBAL#A.ASM	000014A4
AUX0F	GLOBAL#A.ASM	000014A8
AUX10	GLOBAL#A.ASM	000014AC
AUX11	GLOBAL#A.ASM	000014B0
AUX12	GLOBAL#A.ASM	000014B4
AUX13	GLOBAL#A.ASM	000014B8
AUX14	GLOBAL#A.ASM	000014BC
AUX15	GLOBAL#A.ASM	000014C0
AUX16	GLOBAL#A.ASM	000014C4
AUX17	GLOBAL#A.ASM	000014C8
AUX18	GLOBAL#A.ASM	000014CC
AUX19	GLOBAL#A.ASM	000014D0
AUX1A	GLOBAL#A.ASM	000014D4
AUX1B	GLOBAL#A.ASM	000014D8
AUX1C	GLOBAL#A.ASM	000014DC
AUX1D	GLOBAL#A.ASM	000014E0
AUX1E	GLOBAL#A.ASM	000014E4
AUX1F	GLOBAL#A.ASM	000014E8
AUX20	GLOBAL#A.ASM	000014EC
AUX21	GLOBAL#A.ASM	000014F0
AUX22	GLOBAL#A.ASM	000014F4
AUX23	GLOBAL#A.ASM	000014F8
BASE	GLOBAL#A.ASM	00002274
BOOTDEV	GLOBAL#A.ASM	00002306
CLKADR	GLOBAL#A.ASM	0000247E
CNTRLTBL	GLOBAL#A.ASM	000021EC
CONSTANTS	GLOBAL#A.ASM	000016D8

CPBASE	GLOBAL#A.ASM	000022FC
CPUID	GLOBAL#A.ASM	0000237F
ENDMEMX	GLOBAL#A.ASM	000022F8
ENDPART	GLOBAL#A.ASM	00002383
ERRPROC	GLOBAL#A.ASM	00002371
HPIOFLG	GLOBAL#A.ASM	0000236C
IOBDEV	GLOBAL#A.ASM	00002210
IOPART_	GLOBAL#A.ASM	0000236F
IOXCNT_	GLOBAL#A.ASM	0000236D
K	GLOBAL#A.ASM	00001520
MATHPAGE	GLOBAL#A.ASM	000021AC
MDEVDISP	GLOBAL#A.ASM	000025F4
MDEVTBL	GLOBAL#A.ASM	000023E8
MDEVTBX	GLOBAL#A.ASM	000023A8
MVSCRBUF	GLOBAL#A.ASM	00002E7C
MX2	GLOBAL#A.ASM	0000219C
MX?PD2	GLOBAL#A.ASM	000021A4
MXD2SADR	GLOBAL#A.ASM	00002309
MXD3SADR	GLOBAL#A.ASM	0000230A
MXD4SADR	GLOBAL#A.ASM	0000230B
MXDADR	GLOBAL#A.ASM	00002308
NXTRLSPT	GLOBAL#A.ASM	00002370
ORG0000	GLOBAL#A.ASM	000016D8
ORG0010	GLOBAL#A.ASM	000016F8
ORG00F0	GLOBAL#A.ASM	00001804
ORG0100	GLOBAL#A.ASM	00001824
ORG0200	GLOBAL#A.ASM	00001A24
ORG0300	GLOBAL#A.ASM	00001C24
ORG08DE	GLOBAL#A.ASM	00002188
ORG0B00	GLOBAL#A.ASM	000024A0
ORG0B80	GLOBAL#A.ASM	000025A0
OSMOD	GLOBAL#A.ASM	0000237D
PART_	GLOBAL#A.ASM	00002300
PART_T	GLOBAL#A.ASM	00002301
PBANK	GLOBAL#A.ASM	00002270
PBREAK	GLOBAL#A.ASM	0000234C
PBRKSTD	GLOBAL#A.ASM	000025F0
PDFLAG	GLOBAL#A.ASM	0000247F
PLAT	GLOBAL#A.ASM	000025FC
PLAT_S	GLOBAL#A.ASM	0000267C
PMODE	GLOBAL#A.ASM	00002250
PROG_	GLOBAL#A.ASM	00002302
PSTAT	GLOBAL#A.ASM	000021EC
PSTATLD	GLOBAL#A.ASM	000025F8
PTC	GLOBAL#A.ASM	00002480
PTERM	GLOBAL#A.ASM	00002230
R0	GLOBAL#A.ASM	000014FC
R1	GLOBAL#A.ASM	000014FD
R2	GLOBAL#A.ASM	000014FE
R3	GLOBAL#A.ASM	000014FF
R4	GLOBAL#A.ASM	00001500

R5	GLOBAL#A.ASM	00001501
R6	GLOBAL#A.ASM	00001502
R7	GLOBAL#A.ASM	00001503
R8	GLOBAL#A.ASM	00001504
RAMDSK_S	GLOBAL#A.ASM	00002381
RESETPROC	GLOBAL#A.ASM	00002375
RQSTDEV	GLOBAL#A.ASM	0000230C
RQSTPLAT	GLOBAL#A.ASM	0000232C
SAVESEED	GLOBAL#A.ASM	00002198
SCRATCH	GLOBAL#A.ASM	000021AC
SCRNIN	GLOBAL#A.ASM	00002388
SH	GLOBAL#A.ASM	0000151C
SL	GLOBAL#A.ASM	0000151D
STACK_BUFFER	GLOBAL#A.ASM	000016A4
SYSGENFG	GLOBAL#A.ASM	00002303
TEMPSAVE	GLOBAL#A.ASM	00002304
TIMED	GLOBAL#A.ASM	00002476
TIMESLICE	GLOBAL#A.ASM	00002380
TPDEVTBL	GLOBAL#A.ASM	0000242A
USERMSG	GLOBAL#A.ASM	000025A0
USERPS	GLOBAL#A.ASM	000024A0
VPMSG1	GLOBAL#A.ASM	000016FC
VPMSG2	GLOBAL#A.ASM	00001703
ZERO	GLOBAL#A.ASM	00002379

GLOBAL - ADDRESS ORDERED LIST

0000146C	GLOBAL#A.ASM	AUX00
00001470	GLOBAL#A.ASM	AUX01
00001474	GLOBAL#A.ASM	AUX02
00001478	GLOBAL#A.ASM	AUX03
0000147C	GLOBAL#A.ASM	AUX04
00001480	GLOBAL#A.ASM	AUX05
00001484	GLOBAL#A.ASM	AUX06
00001488	GLOBAL#A.ASM	AUX07
0000148C	GLOBAL#A.ASM	AUX08
00001490	GLOBAL#A.ASM	AUX09
00001494	GLOBAL#A.ASM	AUX0A
00001498	GLOBAL#A.ASM	AUX0B
0000149C	GLOBAL#A.ASM	AUX0C
000014A0	GLOBAL#A.ASM	AUX0D
000014A4	GLOBAL#A.ASM	AUX0E
000014A8	GLOBAL#A.ASM	AUX0F
000014AC	GLOBAL#A.ASM	AUX10
000014B0	GLOBAL#A.ASM	AUX11
000014B4	GLOBAL#A.ASM	AUX12
000014B8	GLOBAL#A.ASM	AUX13
000014BC	GLOBAL#A.ASM	AUX14
000014C0	GLOBAL#A.ASM	AUX15
000014C4	GLOBAL#A.ASM	AUX16
000014C8	GLOBAL#A.ASM	AUX17
000014CC	GLOBAL#A.ASM	AUX18
000014D0	GLOBAL#A.ASM	AUX19
000014D4	GLOBAL#A.ASM	AUX1A
000014D8	GLOBAL#A.ASM	AUX1B
000014DC	GLOBAL#A.ASM	AUX1C
000014E0	GLOBAL#A.ASM	AUX1D
000014E4	GLOBAL#A.ASM	AUX1E
000014E8	GLOBAL#A.ASM	AUX1F
000014EC	GLOBAL#A.ASM	AUX20
000014F0	GLOBAL#A.ASM	AUX21
000014F4	GLOBAL#A.ASM	AUX22
000014F8	GLOBAL#A.ASM	AUX23
000014FC	GLOBAL#A.ASM	R0
000014FD	GLOBAL#A.ASM	R1
000014FE	GLOBAL#A.ASM	R2
000014FF	GLOBAL#A.ASM	R3
00001500	GLOBAL#A.ASM	R4
00001501	GLOBAL#A.ASM	R5
00001502	GLOBAL#A.ASM	R6
00001503	GLOBAL#A.ASM	R7
00001504	GLOBAL#A.ASM	R8
00001508	GLOBAL#A.ASM	A0
0000150A	GLOBAL#A.ASM	A1
0000150C	GLOBAL#A.ASM	A2

```
0000150E  GLOBAL#A.ASM    A3
00001510  GLOBAL#A.ASM    A4
00001512  GLOBAL#A.ASM    A5
00001514  GLOBAL#A.ASM    A6
00001516  GLOBAL#A.ASM    A7
00001518  GLOBAL#A.ASM    A8
0000151C  GLOBAL#A.ASM    SH
0000151D  GLOBAL#A.ASM    SL
00001520  GLOBAL#A.ASM    K
000016A4  GLOBAL#A.ASM    STACK_BUFFER
000016D8  GLOBAL#A.ASM    CONSTANTS
000016D8  GLOBAL#A.ASM    ORG0000
000016F8  GLOBAL#A.ASM    ORG0010
000016F8  GLOBAL#A.ASM    _50MS
000016FC  GLOBAL#A.ASM    VPMSG1
00001703  GLOBAL#A.ASM    VPMSG2
0000171F  GLOBAL#A.ASM    _INV
00001725  GLOBAL#A.ASM    _IDN
0000172A  GLOBAL#A.ASM    _ZER
0000172F  GLOBAL#A.ASM    _CON
00001734  GLOBAL#A.ASM    _TRN
0000173A  GLOBAL#A.ASM    _NO
0000173E  GLOBAL#A.ASM    _GIO
00001743  GLOBAL#A.ASM    _TRAN
00001749  GLOBAL#A.ASM    _MERGE
00001750  GLOBAL#A.ASM    _LINES
00001756  GLOBAL#A.ASM    _TERMINL
00001760  GLOBAL#A.ASM    _TERM
00001766  GLOBAL#A.ASM    _BOX
0000176C  GLOBAL#A.ASM    _ID
00001770  GLOBAL#A.ASM    _CPU
00001775  GLOBAL#A.ASM    _CSVER
0000177E  GLOBAL#A.ASM    _TIMESLICE
00001789  GLOBAL#A.ASM    _DSCNCT
00001795  GLOBAL#A.ASM    _TIME
0000179B  GLOBAL#A.ASM    _DATE
000017A1  GLOBAL#A.ASM    _PSWRD
000017AB  GLOBAL#A.ASM    _PART
000017B1  GLOBAL#A.ASM    _SCREEN
000017B9  GLOBAL#A.ASM    _CURSOR
000017C1  GLOBAL#A.ASM    _TC
000017C5  GLOBAL#A.ASM    _FROM
000017CB  GLOBAL#A.ASM    _NAME
00001804  GLOBAL#A.ASM    _$LST
00001804  GLOBAL#A.ASM    ORG00F0
00001808  GLOBAL#A.ASM    _MATLST
0000180C  GLOBAL#A.ASM    _MATFLST
00001810  GLOBAL#A.ASM    _SLCTLST
00001814  GLOBAL#A.ASM    _PRNTLST
00001818  GLOBAL#A.ASM    _AOPLST
0000181C  GLOBAL#A.ASM    _DTLSLST
```

```
00001820  GLOBAL#A.ASM    _FN_LST
00001824  GLOBAL#A.ASM    ORG0100
00001A24  GLOBAL#A.ASM    ORG0200
00001C24  GLOBAL#A.ASM    ORG0300
00001C24  GLOBAL#A.ASM    _ABCOV
00001C84  GLOBAL#A.ASM    _DEVCI
00001C86  GLOBAL#A.ASM    _DEVPLOT
00001C88  GLOBAL#A.ASM    _DEVTAPE
00001C8A  GLOBAL#A.ASM    _DEVDISK
00001C8C  GLOBAL#A.ASM    _DEVCO
00001C8F  GLOBAL#A.ASM    _CMNDLST
00001C90  GLOBAL#A.ASM    _RUN
00001C95  GLOBAL#A.ASM    _CLEAR
00001C9C  GLOBAL#A.ASM    _RENUM
00001CA8  GLOBAL#A.ASM    _SLCTL
00001D28  GLOBAL#A.ASM    _TAPE
00001D2E  GLOBAL#A.ASM    _SLCTCI
00001D32  GLOBAL#A.ASM    _SLCTCO
00001D36  GLOBAL#A.ASM    _DISK
00001D3D  GLOBAL#A.ASM    _DRIVER
00001D45  GLOBAL#A.ASM    _SLCTD
00001D48  GLOBAL#A.ASM    _SLCTR
00001D4B  GLOBAL#A.ASM    _SLCTG
00001D4E  GLOBAL#A.ASM    _SPLOT
00001D54  GLOBAL#A.ASM    _SLCTP
00001D57  GLOBAL#A.ASM    _TEMP
00001D5E  GLOBAL#A.ASM    _OPEN
00001D65  GLOBAL#A.ASM    _DA
00001D6A  GLOBAL#A.ASM    _DC
00001D6F  GLOBAL#A.ASM    _BT
00001D74  GLOBAL#A.ASM    _BA
00001D79  GLOBAL#A.ASM    _LSEQL
00001D7E  GLOBAL#A.ASM    _ALL
00001D83  GLOBAL#A.ASM    _CLOSE
00001D8B  GLOBAL#A.ASM    _THEN
00001D92  GLOBAL#A.ASM    _TO
00001D97  GLOBAL#A.ASM    _TAB
00001D9D  GLOBAL#A.ASM    _STR
00001DA3  GLOBAL#A.ASM    _STEP
00001DAA  GLOBAL#A.ASM    _OFF
00001DAF  GLOBAL#A.ASM    _HEX
00001DB5  GLOBAL#A.ASM    _HEXL
00001DBB  GLOBAL#A.ASM    _BEG
00001DC0  GLOBAL#A.ASM    _AT
00001DC5  GLOBAL#A.ASM    _HEXOF
00001DCD  GLOBAL#A.ASM    _SS
00001DD1  GLOBAL#A.ASM    _LTRL
00001DD4  GLOBAL#A.ASM    _DAC
00001DDA  GLOBAL#A.ASM    _DSC
00001DE0  GLOBAL#A.ASM    _SUB
00001DE5  GLOBAL#A.ASM    _SEARCH
```

```
00001DED  GLOBAL#A.ASM    _SORT
00001DF3  GLOBAL#A.ASM    _FORMAT
00001DFB  GLOBAL#A.ASM    _VERBLST
00001DFC  GLOBAL#A.ASM    _PRNTUSG
00001E09  GLOBAL#A.ASM    _PRINT
00001E11  GLOBAL#A.ASM    _NEXT
00001E18  GLOBAL#A.ASM    _IF
00001E1D  GLOBAL#A.ASM    _GOTO
00001E24  GLOBAL#A.ASM    _GOSUB
00001E2C  GLOBAL#A.ASM    _RETURN
00001E34  GLOBAL#A.ASM    _FOR
00001E3A  GLOBAL#A.ASM    _DATA
00001E41  GLOBAL#A.ASM    _READ
00001E48  GLOBAL#A.ASM    _REM
00001E4E  GLOBAL#A.ASM    _LET
00001E54  GLOBAL#A.ASM    _INPUT
00001E5C  GLOBAL#A.ASM    _END
00001E61  GLOBAL#A.ASM    _DIM
00001E67  GLOBAL#A.ASM    _COM
00001E6D  GLOBAL#A.ASM    _DEFFN
00001E74  GLOBAL#A.ASM    _STOP
00001E7B  GLOBAL#A.ASM    _TRACE
00001E82  GLOBAL#A.ASM    _RESTORE
00001E8C  GLOBAL#A.ASM    _SELECT
00001E95  GLOBAL#A.ASM    _LOAD
00001E9C  GLOBAL#A.ASM    _IMAGE
00001E9F  GLOBAL#A.ASM    _MAT
00001EA5  GLOBAL#A.ASM    _PLOT
00001EAB  GLOBAL#A.ASM    _REWIND
00001EB3  GLOBAL#A.ASM    _BACKSPC
00001EBE  GLOBAL#A.ASM    _SKIP
00001EC4  GLOBAL#A.ASM    _SCRATCH
00001ECE  GLOBAL#A.ASM    _MOVE
00001ED5  GLOBAL#A.ASM    _ON
00001EDA  GLOBAL#A.ASM    _CONVERT
00001EE4  GLOBAL#A.ASM    _AND
00001EEA  GLOBAL#A.ASM    _OR
00001EEF  GLOBAL#A.ASM    _XOR
00001EF5  GLOBAL#A.ASM    _ROTATE
00001EFD  GLOBAL#A.ASM    _PACK
00001F03  GLOBAL#A.ASM    _UNPACK
00001F0B  GLOBAL#A.ASM    _BOOL
00001F11  GLOBAL#A.ASM    _ADD
00001F16  GLOBAL#A.ASM    _BIN
00001F1C  GLOBAL#A.ASM    _INIT
00001F22  GLOBAL#A.ASM    _HEXP
00001F27  GLOBAL#A.ASM    _KEYIN
00001F2F  GLOBAL#A.ASM    _COPY
00001F36  GLOBAL#A.ASM    _DSKIP
00001F3E  GLOBAL#A.ASM    _DBACKSP
00001F4B  GLOBAL#A.ASM    _LIMITS
```

```
00001F54  GLOBAL#A.ASM    _$
00001F57  GLOBAL#A.ASM    _LIST
00001F5E  GLOBAL#A.ASM    _VERIFY
00001F67  GLOBAL#A.ASM    _ERROR
00001F6F  GLOBAL#A.ASM    _SAVE
00001F76  GLOBAL#A.ASM    _LNPT
00001F7F  GLOBAL#A.ASM    _ELSE
00001F86  GLOBAL#A.ASM    _CONT
00001F90  GLOBAL#A.ASM    _DATEV
00001F96  GLOBAL#A.ASM    _TIMEV
00001F9C  GLOBAL#A.ASM    _RE
00001FA0  GLOBAL#A.ASM    _FNC2LST
00001FA1  GLOBAL#A.ASM    _FN
00001FA5  GLOBAL#A.ASM    __PI
00001FAA  GLOBAL#A.ASM    _LEN
00001FB0  GLOBAL#A.ASM    _VAL
00001FB6  GLOBAL#A.ASM    _NUM
00001FBC  GLOBAL#A.ASM    _POS
00001FC2  GLOBAL#A.ASM    _MAX
00001FC8  GLOBAL#A.ASM    _MIN
00001FCE  GLOBAL#A.ASM    _MOD
00001FD4  GLOBAL#A.ASM    _ROUND
00001FDB  GLOBAL#A.ASM    _ERR
00001FE0  GLOBAL#A.ASM    _ARC
00001FE5  GLOBAL#A.ASM    _VER
00001FEB  GLOBAL#A.ASM    _SPACE
00001FF2  GLOBAL#A.ASM    __
00001FF5  GLOBAL#A.ASM    _FUNCLST
00001FF6  GLOBAL#A.ASM    _ABS
00001FFC  GLOBAL#A.ASM    _COS
00002002  GLOBAL#A.ASM    _EXP
00002008  GLOBAL#A.ASM    _INT
0000200E  GLOBAL#A.ASM    _LOG
00002014  GLOBAL#A.ASM    _SIN
0000201A  GLOBAL#A.ASM    _SGN
00002020  GLOBAL#A.ASM    _SQR
00002026  GLOBAL#A.ASM    _RND
0000202C  GLOBAL#A.ASM    _TAN
00002032  GLOBAL#A.ASM    _ATN
00002038  GLOBAL#A.ASM    _LGT
0000203E  GLOBAL#A.ASM    _FIX
00002044  GLOBAL#A.ASM    _ARCFLST
00002045  GLOBAL#A.ASM    _ARSIN
0000204B  GLOBAL#A.ASM    _ARCOS
00002051  GLOBAL#A.ASM    _ARTAN
00002057  GLOBAL#A.ASM    _ERRORU
00002060  GLOBAL#A.ASM    _MATL
0000208C  GLOBAL#A.ASM    _MATFL
000020A4  GLOBAL#A.ASM    _$L
000020E4  GLOBAL#A.ASM    _PRNTL
000020F8  GLOBAL#A.ASM    _AOPL
```

```
0000211C  GLOBAL#A.ASM    _DTLSL
00002130  GLOBAL#A.ASM    _FN_L
0000214C  GLOBAL#A.ASM    _FILENAM
00002154  GLOBAL#A.ASM    _RELEASE
0000215D  GLOBAL#A.ASM    _@
00002160  GLOBAL#A.ASM    _MSG
00002165  GLOBAL#A.ASM    _BREAK
0000216C  GLOBAL#A.ASM    _PSTAT
00002173  GLOBAL#A.ASM    _ALERT
0000217A  GLOBAL#A.ASM    _DO
0000217E  GLOBAL#A.ASM    _ERR$
00002188  GLOBAL#A.ASM    _LRC
00002188  GLOBAL#A.ASM    ORG08DE
0000218C  GLOBAL#A.ASM    _CRC
00002190  GLOBAL#A.ASM    _INITPSW
00002198  GLOBAL#A.ASM    SAVESEED
0000219C  GLOBAL#A.ASM    MX2
000021A4  GLOBAL#A.ASM    MX?PD2
000021AC  GLOBAL#A.ASM    SCRATCH
000021AC  GLOBAL#A.ASM    MATHPAGE
000021EC  GLOBAL#A.ASM    PSTAT
000021EC  GLOBAL#A.ASM    CNTRLTBL
00002210  GLOBAL#A.ASM    IOBDEV
00002230  GLOBAL#A.ASM    PTERM
00002250  GLOBAL#A.ASM    PMODE
00002270  GLOBAL#A.ASM    PBANK
00002274  GLOBAL#A.ASM    BASE
000022F8  GLOBAL#A.ASM    ENDMEMX
000022FC  GLOBAL#A.ASM    CPBASE
00002300  GLOBAL#A.ASM    PART_
00002301  GLOBAL#A.ASM    PART_T
00002302  GLOBAL#A.ASM    PROG_
00002303  GLOBAL#A.ASM    SYSGENFG
00002304  GLOBAL#A.ASM    TEMPSAVE
00002306  GLOBAL#A.ASM    BOOTDEV
00002308  GLOBAL#A.ASM    MXDADR
00002309  GLOBAL#A.ASM    MXD2SADR
0000230A  GLOBAL#A.ASM    MXD3SADR
0000230B  GLOBAL#A.ASM    MXD4SADR
0000230C  GLOBAL#A.ASM    RQSTDEV
0000232C  GLOBAL#A.ASM    RQSTPLAT
0000234C  GLOBAL#A.ASM    PBREAK
0000236C  GLOBAL#A.ASM    HPIOFLG
0000236D  GLOBAL#A.ASM    IOXCNT
0000236F  GLOBAL#A.ASM    IOPART_
00002370  GLOBAL#A.ASM    NXTRLSPT
00002371  GLOBAL#A.ASM    ERRPROC
00002375  GLOBAL#A.ASM    RESETPROC
00002379  GLOBAL#A.ASM    ZERO
0000237D  GLOBAL#A.ASM    OSMOD
0000237F  GLOBAL#A.ASM    CPUID
```

```
00002380  GLOBAL#A.ASM    TIMESLICE
00002381  GLOBAL#A.ASM    RAMDSK_S
00002383  GLOBAL#A.ASM    ENDPART
00002388  GLOBAL#A.ASM    SCRNIN
000023A8  GLOBAL#A.ASM    MDEVTBX
000023E8  GLOBAL#A.ASM    MDEVTBL
0000242A  GLOBAL#A.ASM    TPDEVTBL
0000246A  GLOBAL#A.ASM    @@VSEND
0000246E  GLOBAL#A.ASM    @@OSEND
00002472  GLOBAL#A.ASM    @@VARTHD
00002476  GLOBAL#A.ASM    TIMED
0000247E  GLOBAL#A.ASM    CLKADR
0000247F  GLOBAL#A.ASM    PDFLAG
00002480  GLOBAL#A.ASM    PTC
000024A0  GLOBAL#A.ASM    ORG0B00
000024A0  GLOBAL#A.ASM    USERPS
000025A0  GLOBAL#A.ASM    ORG0B80
000025A0  GLOBAL#A.ASM    USERMSG
000025F0  GLOBAL#A.ASM    PBRKSTD
000025F4  GLOBAL#A.ASM    MDEVDISP
000025F8  GLOBAL#A.ASM    PSTATLD
000025FC  GLOBAL#A.ASM    PLAT
0000267C  GLOBAL#A.ASM    PLAT_S
00002E7C  GLOBAL#A.ASM    MVSCRBUF
```