```
EEEEEEEEEEEEEEEE   DDDDDDDDDDD     TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD     TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD     TTTTTTTTTTTTTTTT
EEE                DDD      DDD          TTT
EEE                DDD      DDD          TTT
EEE                DDD      DDD          TTT
EEE                DDD      DDD          TTT
EEE                DDD      DDD          TTT
EEEEEEEEEEEE       DDD      DDD          TTT
EEEEEEEEEEEE       DDD      DDD          TTT
EEEEEEEEEEEE       DDD      DDD          TTT
EEE                DDD      DDD          TTT
EEE                DDD      DDD          TTT
EEE                DDD      DDD          TTT
EEE                DDD      DDD          TTT
EEE                DDD      DDD          TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD           TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD           TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD           TTT
```

EXE

Mod

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LIB

```
 SSSSSSSS    CCCCCCC   RRRRRRRR   RRRRRRRR   EEEEEEEEEE VV        VV
 SSSSSSSS    CCCCCCC   RRRRRRRR   RRRRRRRR   EEEEEEEEEE VV        VV
SS          CC         RR     RR  RR     RR  EE          VV      VV
SS          CC         RR     RR  RR     RR  EE          VV      VV
SS          CC         RR     RR  RR     RR  EE           VV    VV
SS          CC         RR     RR  RR     RR  EE           VV    VV
 SSSSSS     CC         RRRRRRRR   RRRRRRRR   EEEEEEE       VV    VV
 SSSSSS     CC         RRRRRRRR   RRRRRRRR   EEEEEEE        VV  VV
      SS    CC         RR  RR     RR  RR     EE            VV  VV
      SS    CC         RR   RR    RR   RR    EE            VV  VV
      SS    CC         RR    RR   RR    RR   EE             VV VV   ....
      SS    CC         RR     RR  RR     RR  EE             VV VV   ....
 SSSSSSSS    CCCCCCC   RR     RR  RR     RR  EEEEEEEEEE      VVV    ....
 SSSSSSSS    CCCCCCC   RR     RR  RR     RR  EEEEEEEEEE       V     ....


LL           IIIIII      SSSSSSSS
LL           IIIIII      SSSSSSSS
LL             II      SS
LL             II      SS
LL             II      SS
LL             II      SS
LL             II       SSSSSS
LL             II       SSSSSS
LL             II            SS
LL             II            SS
LL             II            SS
LL             II            SS
LLLLLLLLLL   IIIIII    SSSSSSSS
LLLLLLLLLL   IIIIII    SSSSSSSS
```

```
0001  0  %TITLE 'EDT$SCRREV - reverse video screen mode'
0002  0  MODULE EDT$SCRREV (                              ! Reverse video screen mode
0003  0                   IDENT = 'V04-000'              ! File: SCRREV.BLI Edit: JBS1003
0004  0                   ) =
0005  1  BEGIN
0006  1  !
0007  1  !*****************************************************************************
0008  1  !*                                                                           *
0009  1  !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                  *
0010  1  !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                   *
0011  1  !*  ALL RIGHTS RESERVED.                                                     *
0012  1  !*                                                                           *
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0014  1  !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE    *
0015  1  !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER    *
0016  1  !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY    *
0017  1  !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY    *
0018  1  !*  TRANSFERRED.                                                             *
0019  1  !*                                                                           *
0020  1  !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE    *
0021  1  !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT    *
0022  1  !*  CORPORATION.                                                             *
0023  1  !*                                                                           *
0024  1  !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS    *
0025  1  !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                  *
0026  1  !*                                                                           *
0027  1  !*                                                                           *
0028  1  !*****************************************************************************
0029  1
0030  1
0031  1  !++
0032  1  ! FACILITY:     EDT -- The DEC Standard Editor
0033  1  !
0034  1  ! ABSTRACT:
0035  1  !
0036  1  !      This module makes sure the screen is in reverse video.
0037  1  !
0038  1  ! ENVIRONMENT:  Runs at any access mode - AST reentrant
0039  1  !
0040  1  ! AUTHOR: Bob Kushlis, CREATION DATE: September 8, 1979
0041  1  !
0042  1  ! MODIFIED BY:
0043  1  !
0044  1  ! 1-001 - Original.  DJS 12-Feb-1981.  This module was created by
0045  1  !         extracting the routine EDT$$SC REVID  from module SCREEN.
0046  1  ! 1-002 - Regularize headers.  JBS 13-Mar-1981
0047  1  ! 1-003 - Improve the appearance of the listing.  JBS 17-Jun-1983
0048  1  !--
0049  1
```

L 9

EDT$SCRREV   EDT$SCRREV - reverse video screen mode   16-Sep-1984 01:42:00   VAX-11 Bliss-32 V4.0-742   Page 2
V04-000   Declarations   14-Sep-1984 12:24:37   DISK$VMSMASTER:[EDT.SRC]SCRREV.BLI;1   (2)

```
    51      0050  1  %SBTTL 'Declarations'
    52      0051  1  !
    53      0052  1  ! TABLE OF CONTENTS:
    54      0053  1  !
    55      0054  1
    56      0055  1  REQUIRE 'EDTSRC:TRAROUNAM';
    57      0494  1
    58      0495  1  FORWARD ROUTINE
    59      0496  1      EDT$$SC_REVID : NOVALUE;
    60      0497  1
    61      0498  1  !
    62      0499  1  ! INCLUDE FILES:
    63      0500  1  !
    64      0501  1
    65      0502  1  REQUIRE 'EDTSRC:EDTREQ';
    66      0637  1
    67      0638  1  !
    68      0639  1  ! MACROS:
    69      0640  1  !
    70      0641  1        NONE
    71      0642  1
    72      0643  1  ! EQUATED SYMBOLS:
    73      0644  1  !
    74      0645  1
    75      0646  1  BIND
    76      0647  1      REV_VIDEO = UPLIT (%STRING (%CHAR (ASC_K_ESC), '[7m'));
    77      0648  1
    78      0649  1  LITERAL
    79      0650  1      REV_VIDEO_LEN = 4;
    80      0651  1
    81      0652  1  !
    82      0653  1  ! OWN STORAGE:
    83      0654  1  !
    84      0655  1        NONE
    85      0656  1
    86      0657  1  ! EXTERNAL REFERENCES:
    87      0658  1  !
    88      0659  1        In the routine
```

```
 90      0660  1  %SBTTL 'EDT$$SC_REVID  - reverse video the screen'
 91      0661  1
 92      0662  1  GLOBAL ROUTINE EDT$$SC_REVID                         ! Make sure the screen is in reverse video
 93      0663  1      : NOVALUE =
 94      0664  1
 95      0665  1  !++
 96      0666  1  !  FUNCTIONAL DESCRIPTION:
 97      0667  1  !
 98      0668  1  !      This routine makes sure the screen is in reverse video mode.  Check
 99      0669  1  !      the flag, and if it is not, output the sequence to set reverse video
100      0670  1  !      and set the reverse flag.
101      0671  1  !
102      0672  1  !  FORMAL PARAMETERS:
103      0673  1  !
104      0674  1  !      NONE
105      0675  1  !
106      0676  1  !  IMPLICIT INPUTS:
107      0677  1  !
108      0678  1  !      EDT$$G_REVID
109      0679  1  !      EDT$$G_TI_TYP
110      0680  1  !
111      0681  1  !  IMPLICIT OUTPUTS:
112      0682  1  !
113      0683  1  !      EDT$$G_REVID
114      0684  1  !
115      0685  1  !  ROUTINE VALUE:
116      0686  1  !
117      0687  1  !      NONE
118      0688  1  !
119      0689  1  !  SIDE EFFECTS:
120      0690  1  !
121      0691  1  !      NONE
122      0692  1  !
123      0693  1  !--
124      0694  1
125      0695  2      BEGIN
126      0696  2
127      0697  2      EXTERNAL ROUTINE
128      0698  2          EDT$$FMT_LIT;
129      0699  2
130      0700  2      EXTERNAL
131      0701  2          EDT$$G_REVID,                               ! is reverse video on?
132      0702  2          EDT$$G_TI_TYP;                              ! Terminal type.
133      0703  2
134      0704  3      IF (.EDT$$G_TI_TYP EQL TERM_VT100)
135      0705  2      THEN
136      0706  2
137      0707  3          IF (.EDT$$G_REVID EQL 0)
138      0708  2          THEN
139      0709  3              BEGIN
140      0710  3              EDT$$FMT_LIT (REV_VIDEO, REV_VIDEO_LEN);
141      0711  3              EDT$$G_REVID = 1;
142      0712  3              END;
143      0713  2
144      0714  1      END;                                            ! of routine EDT$$SC_REV
```

```
;                                                                        .TITLE     EDT$SCRREV EDT$SCRREV - reverse video screen mo
                                                                                    de
                                                                        .IDENT     \V04-000\

                                                                        .PSECT     _EDT$CODE,NOWRT,  SHR,  PIC,2

                       6D   37   5B   1B   00000 P.AAA:     .ASCII     <27>\[7m\                                                ;

                                                          REV_VIDEO=            P.AAA
                                                                        .EXTRN     EDT$$FMT_LIT, EDT$$G_REVID
                                                                        .EXTRN     EDT$$G_TI_TYP

                                            0004 00000                  .ENTRY     EDT$$SC_REVID, Save R2                       ; 0662
                         52 00000000G  00   9E 00002                    MOVAB      EDT$$G_REVID, R2
                         02 00000000G  00   D1 00009                    CMPL       EDT$$G_TI_TYP, #2                            ; 0704
                                       13   12 00010                    BNEQ       1$
                                       62   D5 00012                    TSTL       EDT$$G_REVID                                 ; 0707
                                       0F   12 00014                    BNEQ       1$
                                       04   DD 00016                    PUSHL      #4                                           ; 0710
                                 E1    AF   9F 00018                    PUSHAB     REV_VIDEO
                 00000000G  00         02   FB 0001B                    CALLS      #2, EDT$$FMT_LIT                             ; 0711
                         62            01   D0 00022                    MOVL       #1, EDT$$G_REVID                             ; 0714
                                       04 00025 1$:                     RET
```

; Routine Size: 38 bytes,   Routine Base: _EDT$CODE + 0004

; 145   0715 1
; 146   0716 1 !<BLF/PAGE>

```
; 148        0717 1 END                                            ! of module EDT$SCRREV
; 149        0718 1
; 150        0719 0 ELUDOM
```

```
;                           PSECT SUMMARY

;        Name                        Bytes                        Attributes

; _EDT$CODE                            42 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)



;                           Library Statistics

;                                    --------- Symbols ---------    Pages      Processing
;        File                        Total    Loaded   Percent     Mapped     Time

; _$255$DUA28:[EDT.SRC]EDT.L32;1       377       2         0         40        00:00.2
; _$255$DUA28:[EDT.SRC]PSECTS.L32;1      2       1        50          7        00:00.1




;                           COMMAND QUALIFIERS

;        BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:SCRREV/OBJ=OBJ$:SCRREV MSRC$:SCRREV.BLI/UPDATE=(ENH$:SCRREV)

; Size:            38 code + 4 data bytes
; Run Time:          00:09.3
; Elapsed Time:      00:11.2
; Lines/CPU Min:      4663
; Lexemes/CPU-Min: 12447
; Memory Used:    55 pages
; Compilation Complete
```

SCRRESET
LIS

SCRRLIN
LIS

SCRRELPOS
LIS

SCRINSERT
LIS

SCRNOSCR
LIS

SCRNCOL
LIS

SCRMCOL
LIS

SCRUPDATE
LIS

SCRINIT
LIS

SCRNEWINS
LIS

SCRREGION
LIS

SCRREPMOD
LIS

SCRREV
LIS

SCRNEWDEL
LIS

SCRNOREV
LIS

SCRMOVETO
LIS

SCRINSMOD
LIS