

!A

*** End of Pass 1

*** End of Pass 2

```
0800      1          ttl "Input Character Source Code, IC.L"
0800      2      ;
0800      3      ;
0800      4      ; IC.L
0800      5      ;
0800      6      ;
0800      7      ; Input Character Source Code
0800      8      ;
0800      9      ; 2024 February 14
0800     10      ;
0800     11      ;
0800     12      ; DOS 4.5, Build 06
0800     13      ;
0800     14      ; 2024 February 14
0800     15      ;
0800     16      ;
0800     17      ; Start of Source Code: 0x4000
0800     18      ; Start of Symbol List: 0x7800
0800     19      ;
0800     20      ;
0800     21      ; Copyright (c) 2024 February 14 by
0800     22      ; Walland Philip Vrbancic Jr
0800     23      ;
0800     24      ; 6223 East Peabody Street
0800     25      ; Long Beach, California 90808
0800     26      ; Unitied States of America
0800     27      ;
0800     28      ; All Rights Reserved
0800     29      ;
0800     30      ; This software is the confidential and
0800     31      ; proprietary intellectual property of
0800     32      ; Walland Philip Vrbancic Jr
0800     33      ;
0800     34      ;
0800     35      ; CALL IC,A%
0800     36      ;
0800     37      ;     IC = Entry address of routine
0800     38      ;
0800     39      ;     A% = ASCII value of keypress
0800     40      ;
0800     41      ;         Required in command line
0800     42      ;
0800     43      ;         Returns ASCII value of keypress
0800     44      ;
0800     45      ; This code will execute at any address.
0800     46      ;
0800     47      ;
00EC     48      A%ADR      epz $EC
0800     49      ;
0800     50      ;         enz
0800     51      ;
0000     52      ZERO      equ $00
0800     53      ;
007F     54      ASCIMASK equ $7F
0800     55      ;
C000     56      KEY       equ $C000
C010     57      CLRKEY    equ $C010
0800     58      ;
DEBE     59      CHKCOM    equ $DEBE
DFE3     60      PTRGET    equ $DFE3
```

```

0800          61 ;
0800          62 ;
0900          63      org $900
0900          64      obj $900
0900          65      usr
0900          66 ;
0900          67 ;
0900          68 ; Get A% variable address.
0900          69 ;
0900 20 BE DE    70      jsr CHKCOM
0903 20 E3 DF    71      jsr PTRGET
0906          72 ;
0906 85 EC      73      sta A%ADR
0908 84 ED      74      sty A%ADR+1
090A          75 ;
090A          76 ;
090A          77 ; Initialize the returned MSB to zero.
090A          78 ;
090A A9 00      79      lda #ZERO
090C A8         80      tay
090D          81 ;
090D 91 EC      82      sta (A%ADR),Y
090F          83 ;
090F C8         84      iny
0910          85 ;
0910          86 ;
0910          87 ; Get the key value when pressed.
0910          88 ;
0910 2C 10 C0    89      bit CLRKEY
0913          90 ;
0913 AD 00 C0    91      ^1 lda KEY
0916          92 ;
0916 EA         93      nop
0917          94 ;
0917 10 FA       95      bpl <1
0919          96 ;
0919 2C 10 C0    97      bit CLRKEY
091C          98 ;
091C          99 ;
091C          100 ; Return the key value.
091C          101 ;
091C 29 7F      102      and #ASCIMASK
091E          103 ;
091E 91 EC      104      sta (A%ADR),Y
0920          105 ;
0920 60         106      rts
0921          107 ;
0921          108 ;

```

BSAVE IC,A\$0900,B,L\$0021

```

0921          109      usr IC
0921          110 ;
0921          111 ;
0921          112      stt "IC Symbol Table"
0921          113 ;
0921          114 ;
0921          115      end 111

```

*** End of Assembly

Symbol List starts at 0x7800, ends at 0x785A, used 0x005A, remaining 0x3F52

Symbols unsorted:

A%ADR	00EC	ZERO	0000	ASCIMASK	007F	KEY	C000	CLRKEY	C010
CHKCOM	DEBE	PTRGET	DFE3						

Symbols alphabetically sorted:

A%ADR	00EC	ASCIMASK	007F	CHKCOM	DEBE	CLRKEY	C010	KEY	C000
PTRGET	DFE3	ZERO	0000						

Symbols numerically sorted:

ZERO	0000	ASCIMASK	007F	A%ADR	00EC	KEY	C000	CLRKEY	C010
CHKCOM	DEBE	PTRGET	DFE3						