

ISIS-II MCS-86 MACRO ASSEMBLER V2.1 ASSEMBLY OF MODULE SCD
 OBJECT MODULE PLACED IN :FO:SCD.OBJ
 ASSEMBLER INVOKED BY: :FO:SCD.A86 XRLF

LOC	OBJ	LINE	SOURCE
		1	;
		2	;
		3	Concurrent CP/M-86 v2.0 with BDOS version 3.1
		4	Interface for PLM-86 with separate code and data
		5	Code org'd at 0
		6	Created:
		7	October 5, 1981 by Danny Horovitz
		8	Revised:
		9	28 Mar 83 by Bill Fitler
		10	name scd
		11	
		12	dgroup group dats,stack
		13	cgroup group code
		14	
		15	assume cs:cgroup, ds:dgroup, ss:dgroup
		16	
		17	stack segment word stack "STACK"
0000		18	stack_base label byte
		19	stack ends
		20	
		21	dats segment para public "DATA" ;CP/M page 0 - LOC86'd at 0H
		22	
0004		23	org 4
0004 ??		24	bdisk db ?
0006		25	org 6
0006 ????		26	maxb dw ?
0050		27	org 50h
0050 ??		28	cmdrv db ?
0051 ????		29	pass0 dw ?
0053 ??		30	len0 db ?
0054 ????		31	pass1 dw ?
0056 ??		32	len1 db ?
005C		33	org 5ch
005C (16		34	fcbl db 16 dup (?)
??			
)			
006C (16		35	fcbl6 db 16 dup (?)
??			
)			
007C ??		36	cr db ?
007D ????		37	rr dw ?
007F ??		38	ro db ?
0080 (128		39	buff db 128 dup (?)
??			
)			
0080		40	tbuff equ buff
0080		41	buffa equ buff
005C		42	fcba equ fcb
		43	
0100		44	org 100h ;past CPM data space

CCP/M-86 2.0 V.4
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 SER. # CC-104

LOC	OBJ	LTNE	SOURCE
0100	0000	45	saveax dw 0 ; save registers for mon functions
0102	0000	46	savebx dw 0
0104	0000	47	savecx dw 0
0106	0000	48	savedx dw 0
		49	public bdisk,maxb,cmdrv,pass0,len0
		50	public pass1,len1,fcbl6,cr,rr
		51	public ro,buffer,buffer,buffer,buffer
		52	public saveax,savebx,savecx,savedx
		53	
----		54	data ends
		55	
		56	
----		57	code segment public "CODE"
		58	public xdos,mon1,mon2,mon3,mon4
		59	extrn plmstart near
		60	
0000		61	org 0h ; for separate code and data
0000	E84B90	62	jmp pastserial ; skip copyright
0003	E87690	63	jmp patch ; store address of patch routine at start
0006	434F5059524947	64	db "COPYRIGHT (C) 1983, DIGITAL RESEARCH "
	48542028432920		
	313938332C2044		
	49474954414C20		
	52455345415243		
	4820		
002B	20434F4E435552	65	db " CONCURRENT CP/M-86 2.0, 03/31/83 " ; db " MP/M-86 2.0, 10/5/81 "
	52454E54204350		
	2F4D2D38362032		
	2E302C2030332F		
	33312F383320		
004D		66	pastserial:
004D	9C	67	pushf
004E	58	68	pop ax
004F	FA	69	cld
0050	8C09	70	mov cx,ds
0052	8E01	71	mov ss,cx
0054	8D260000	72	lea sp,stack_base
0058	50	73	push ax
0059	9D	74	popf
005A	E90000	75	jmp plmstart
		76	
005D		77	xdos proc
005D	55	78	push bp
005E	8BEC	79	mov bp,sp
0060	8B5604	80	mov dx,[bp+4]
0063	8B4E06	81	mov cx,[bp+6]
0066	CDE0	82	int 224
0068	A30001	83	mov saveax,ax
0068	891E0201	84	mov savebx,bx
006F	890E0401	85	mov savecx,cx
0073	89160601	86	mov savedx,dx
0077	5D	87	pop bp
0078	C20400	88	ret 4
		89	xdos endp
		90	

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LUC	OBJ	LINE	SOURCE
0050		91	mon1 equ xdos ; no returned value
0050		92	mon2 equ xdos ; returns byte in AL
0050		93	mon3 equ xdos ; returns address or word BX
0050		94	mon4 equ xdos ; returns pointer in BX and ES
		95	
0078		96	patch:
0078 90		97	nop
007C 90		98	nop
007D 90		99	nop
007E 90		100	nop
0100		101	org 0100h ; leave room for patch area
		102	
----		103	code ends
		104	end

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XREF SYMBOL TABLE LISTING

NAME	TYPE	VALUE	ATTRIBUTES, XREFS
??SEG . . .	SEGMENT		SIZE=0000H PARA PUBLIC
BDISK . . .	V BYTE	0004H	DATS PUBLIC 24# 49
BUFF. . .	V BYTE	0080H	DATS PUBLIC 39# 40 41 51
BUFFA . . .	V BYTE	0080H	DATS PUBLIC 41# 51
CGROUP. . .	GROUP		CODE 13# 15
CMDRV . . .	V BYTE	0050H	DATS PUBLIC 28# 49
CODE. . .	SEGMENT		SIZE=0100H PARA PUBLIC "CODE" 13# 57 103
CR. . .	V BYTE	007CH	DATS PUBLIC 36# 50
DATS. . .	SEGMENT		SIZE=0108H PARA PUBLIC "DATA" 12# 21 54
DGROUP. . .	GROUP		DATS STACK 12# 15 15
FLB . . .	V BYTE	005CH	DATS PUBLIC 34# 42 50
FCb16 . . .	V BYTE	006CH	DATS PUBLIC 35# 50
FCBA. . .	V BYTE	005CH	DATS PUBLIC 42# 51
LENO. . .	V BYTE	0053H	DATS PUBLIC 30# 49
LEN1. . .	V BYTE	0056H	DATS PUBLIC 32# 50
MAXB. . .	V WORD	0006H	DATS PUBLIC 26# 49
MON1. . .	L NEAR	005DH	CODE PUBLIC 58 91#
MON2. . .	L NEAR	005DH	CODE PUBLIC 58 92#
MON3. . .	L NEAR	005DH	CODE PUBLIC 58 93#
MON4. . .	L NEAR	005DH	CODE PUBLIC 58 94#
PASS0 . . .	V WORD	0051H	DATS PUBLIC 29# 49
PASS1 . . .	V WORD	0054H	DATS PUBLIC 31# 50
PASTSERIAL. . .	L NEAR	004DH	CODE 62 66#
PATCH . . .	L NEAR	0076H	CODE 63 96#
PLMSTART. . .	L NEAR	0000H	EXTRN 59# 75
RO. . .	V BYTE	007FH	DATS PUBLIC 38# 51
RR. . .	V WORD	007DH	DATS PUBLIC 37# 50
SAVEAX. . .	V WORD	0100H	DATS PUBLIC 45# 52 83
SAVEBX. . .	V WORD	0102H	DATS PUBLIC 46# 52 84
SAVECX. . .	V WORD	0104H	DATS PUBLIC 47# 52 85
SAVEDX. . .	V WORD	0106H	DATS PUBLIC 48# 52 86
STACK . . .	SEGMENT		SIZE=0000H WORD STACK "STACK"
STACK_BASE. . .	V BYTE	0000H	STACK 18# 72
TBUFF . . .	V BYTE	0080H	DATS PUBLIC 40# 51
XDUS. . .	L NEAR	005DH	CODE PUBLIC 58 77# 89 91 92 93 94

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ASSEMBLY COMPLETE, NO ERRORS FOUND