

LENGTH OF PRG 00147

```

1 IDENT PLTSTART
2
3 *****
4 *
5 * THIS ROUTINE ALLOCATES A BLOCK OF CORE (CALLED PLOTBLOC)
6 * WHEN INITIAL FINDS A PLOT SYMBOL IN THE SYMBOL BLOCK
7 * TO BE USED AS THE DEVICE CONTROL MACRO FOR THE PLOTTER
8 * DRIVER
9 *
10 * IT ALSO PLUGS THE ENTRY IN INSTL FOR PROPER INTERRUPT
11 * DECODING AND STORES THE PLOTTER CONNECT CODE INTO
12 * THE PLOTTER DRIVER
13 *
14 *****

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00001
00002
00003
00000
00000

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15
16 +001 SYSMAC INCLUDE ↑SYSMAC
17 COSY/ 03 V4.1 08/17/74 0453
18 X1 EQU 1
19 X2 EQU 2
20 X3 EQU 3
21 CBI EQU 0
22 IMPURE EQU 0
23
24 EXT BUILDBLK
25 EXT HARDWARE
26 EXT HDLENGTH LENGTH OF HARDWARE TABLE
27 EXT INSTL
28 EXT LINKIT
29 EXT PLINT
30 EXT PLOTCON
31
32 ENTRY PLOT.STR
33 ENTRY PLOT.SUP
34
35
36

```

00051 P
00001 P

00001
00002
00003
00004
00005
00006
00007
00010
00011
00012
00013
00014
00015
00016
00017

```

37 HTDEF
38 *****
39 *
40 * HTFILE EQU 010 FILE
41 * HTLP EQU 020 LINE PRINTER
42 * HTPUN EQU 030 CARD PUNCH
43 * HTCR EQU 040 CARD READER
44 * HTMT EQU 050 MAGNETIC TAPE
45 * HTTTY EQU 060 TELETYPE
46 * HTPLOT EQU 070 X/Y PLOTTER
47 * HTNULL EQU 100 ONLINE INCINERATOR
48 * HTTV EQU 110 CRT DISPLAY
49 * HTRAF EQU 120 RANDOM ACCESS FILE
50 * HTTASK EQU 130 FUTURE INPUT FOR REMOTE BATCH
51 * HTMSF EQU 140 USER DISKPACK
52 * HTPTP EQU 150 PAPER TAPE PUNCH
53 * HTMAX EQU 160 (NUMBR OF HARDWARE TYPES) + 1
54 * HTMASK EQU 170 MASK FOR THE HARDWARE TYPE
55 *
56 *****

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00000	14100000		44	PLOTX1	ENI	IMPURE,X1	
00001	01000000		45	PLOT.SUP	UJP	IMPURE	
00002	44077777	X	46		SWA	PLCTCON	SAVE THE CONNECT CODE IN THE DRIV
00003	12000014		47		SHA	12	
00004	53700000		48		TAI	X3	
00005	17300007		49		ANI	7B,X3	COMPUTE POSITION IN INSTL
00006	12000006		50		SHA	6	FOR INTERRUPT DECODING
00007	17600070		51		ANA	70B	
00010	53740000		52		IAI	X3	
00011	47100000	P	53		STI	PLOTX1,X1	
00012	14177777	X	54		ENI	HDLNGTH,X1	ENTER LENGTH OF TABLE
00013	14600007		55		ENA	HTPLOT	
00014	14700017		56		ENQ	HTMASK	
00015	13000017		57		SHAQ	15	SHIFT INTO POSITION
00016	06277777	X	58		MEQ	HARDWARE,2	LOOK FOR THIS DEVICE
00017	01000000	P	59		UJP	PLOTX1	
00020	14600000		60		ENA	0	ALLOW USERS TO EQUIP THE
00021	44100016	X	61		SWA	HARDWARE,X1	DEVICE
00022	54100000	P	62		LDI	PLOTX1,X1	RESTORE X1
00023	14677777	X	63		ENA	PLINT	
00024	44377777	X	64		SWA	INSTL,X3	
00025	14200071		65		ENI	PLTPROTL-1,X2	
00026	20200055	P	66		LDA	PLTPROTO,X2	MOVE THE MACRO
00027	40100000		67		STA	0,X1	
00030	15177776		68		INI	-1,X1	
00031	02600026	P	69		IJD	*-3,X2	
00032	15100001		70		INI	1,X1	
00033	53100000		71		TIA	X1	
00034	44100010		72		SWA	ENAD,X1	SET UP THE ENI PROTO,CBI
00035	44100020		73		SWA	URBEXITA,X1	
00036	15600007		74		INA	KILLFLAG	SETUP THE KILL STATUS
00037	44100007		75		SWA	KILLFLAG,X1	
00040	15600017		76		INA	BUFFER-KILLFLAG	SET UP THE POINTER TO THE
00041	44100005		77		SWA	IMAD,X1	BUFFER
00042	15400042		78		INA,S	QWORDS-BUFFER	SET UP THE QUEUEING
00043	44100023		79		SWA	QPNT,X1	
00044	44100071		80		SWA	QWORDS+1,X1	
00045	00777777	X	81		RTJ	BUILDBLK	
00046	25000053	P	82		LDAQ	BCDPLOT	PLUG THE CHAIN FOR THE DRIVER
00047	00777777	X	83		RTJ	LINKIT	
00050	02500001	P	84		IJD	PLOT.SUP,X1	EXIT
			85				
			86				
00051	01000000		87	PLOT.STR	UJP	IMPURE	
00052	01000051	P	88		UJP	PLOT.STR	
			89				
00053	47434663		90	BCDPLOT	BCD	2,PLOTBLOC	

00055	00000000	P	92	PLTPROTO	EQU	*
	00055	P	93		ORGR	PLTPROTO+FB
00055	00000000		94		VFD	A24/IMPURE
	00056	P	95		ORGR	PLTPROTO+BLF
00056	00000000		96		VFD	A24/IMPURE
	00057	P	97		ORGR	PLTPROTO+BFBGN
00057	00000000		98		VFD	A24/IMPURE
	00060	P	99		ORGR	PLTPROTO+BFCPP
00060	00000000		100		VFD	A24/IMPURE
	00061	P	101		ORGR	PLTPROTO+CALBAK
			102		EXT	PLCTCB
00061	00077777		103		VFD	A9/IMPURE,A15/PLOTCB RETURN HERE IF QUEUED
	00062	P	104		ORGR	PLTPROTO+IMAD
00062	00000000		105		VFD	09/000,A15/IMPURE
	00063	P	106		ORGR	PLTPROTO+LNIM
00063	00000042		107		VFD	09/000,A15/RECSIZE
	00064	P	108		ORGR	PLTPROTO+KILLFLAG
00064	47000064	P	109		STI	*,0
00065	14100055	P	110		ENI	PLTPROTO,X1+CBI ENTER BLOCK ADDRESS
	00066	P	111		ORGR	PLTPROTO+NJM
00066	01000000		112		UJP	IMPURE
	00067	P	113		ORGR	PLTPROTO+ENIT
00067	40000000		114		VFD	09/400,A15/IMPURE
	00071	P	115		ORGR	PLTPROTO+COUNT
00071	00000000		116		VFD	A24/IMPURE
	00072	P	117		ORGR	PLTPROTO+POSI
00072	00000000		118		VFD	A24/IMPURE
	00073	P	119		ORGR	PLTPROTO+PFWORD
00073	00000000		120		VFD	A6/IMPURE,03/0,A15/IMPURE
	00074	P	121		ORGR	PLTPROTO+IDENT
00074	47434663		122		BCD	1,PLOT
	00075	P	123		ORGR	PLTPROTO+URBEXITA
00075	14100055	P	124		ENI	PLTPROTO,X1+CBI
	00076	P	125		ORGR	PLTPROTO+URBEXIT
00076	01000000		126		UJP	IMPURE
	00077	P	127		ORGR	PLTPROTO+QINGLOC
			128		EXT	URBLOKQ
00077	01077777	X	129		UJP	URBLOKQ
	00100	P	130		ORGR	PLTPROTO+QPNT
00100	00000000		131		00	IMPURE
	00101	P	132		ORGR	PLTPROTO+QEMPTY
00101	01200000		133		UJP	0,X2
	00102	P	134		ORGR	PLTPROTO+STRTLOC
00102	01077777	X	135		EXT	URBLOKI
	00103	P	136		UJP	URBLOKI
00103			137		ORGR	PLTPROTO+BUFFER
	00070		138		BSS	RECSIZE
00145	00000000		139	QWORDS	EQU	*-PLTPROTO
	00072		140		VFD	A24/IMPURE,A24/IMPURE
			141	PLTPROTL	EQU	*-PLTPROTO
			142		END	

NO LINES WITH ERRORS

