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4 /
5 /1 SUITE : P.C.B. LAYOUT
6 /2 PROGRAM TITLE : REDAL3 MKS
7 /3 ROUTINE TITLE : HIHO1
8 /
9 / THIS PROGRAM SOURCE FILE IS SUPPLIED IN CONFIDENCE TO THE
10 / CUSTOMER; THE CONTENTS OR DETAILS OF ITS OPERATION MAY
11 / ONLY BE DISCLOSED TO PERSONS EMPLOYED BY THE CUSTOMER WHO
12 / REQUIRE A KNOWLEDGE OF THE SOFTWARE CODING TO CARRY OUT
13 / THEIR JOB. DISCLOSURE TO ANY OTHER PERSON MUST HAVE PRIOR
14 / PERMISSION FROM THE DIRECTORS OF REDAC SOFTWARE LIMITED.
15 /
16 /4 AUTHOR: TRANSLATED FROM FORTRAN BY K. FOSTER
17 /5 DATE : JAN 1975
18 /
19 /6 PURPOSE: 1) SWAP SIDES
20 / 2) INPUT INITIAL DATA
21 /
22 /7 CALLING SEQUENCE AND DESCRIPTION OF ARGUMENTS
23 /
24 / CALL HIHO1(N)
25 / N 0 TO SWAP SIDES
26 / 1 INITIAL DATA FROM PT
27 / 2 INIT DATA FROM CARDS
28 /
29 /8 I/O DEVICES AND FUNCTIONS
30 / NONE
31 /
32 /9 REGISTERS USED: XR,LR,MQ
33 /
34 /10 INTERNAL GLOBALS
35 / .GLOBL HIHO1
36 /
37 /11 EXTERNAL GLOBALS
38 / .GLOBL ASS1,DATAIN, DRAWCP, SWOPSD, .DA
39 /
40 /12 COMMON AREAS
41 / .XXMON .CBD .XX 1
42 / ZYDE .CBD ZYDE 1
43 / EOCOPP .CBD EOCOPP 1
44 / EOBRD .CBD EOBRD 1
45 / EOLIB .CBD EOLIB 1
46 / EOCONN .CBD EOCONN 1
47 / EOCOMP .CBD EOCOMP 1
48 / EOROUT .CBD EOROUT 1
49 /
50 / ECLA=641000 A
51 / .EJECT

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PAGE	2	HIH01	SRC	
52		00010	R 000000	A HIH01 0
53		00011	R 120072	E JMS* .DA
54		00012	R 600014	R JMP .+1+1
55		00013	R 000000	A N
56		00014	R 220013	R LAC* N
57		00015	R 741200	A SNA /SWAP SIDE OPTION?
58		00016	R 600053	R JMP SWAPSD /YES
59				/
60				/ READ INITIAL DATA
61				/
62		00017	R 735000	A CLX
63		00020	R 200073	R LAC (6
64		00021	R 722000	A PAL
65		00022	R 230000	R LUP LAC* .XXMON,X /COPY DATA STRUCTURE POINTERS TO LOCAL VARIABLES
66		00023	R 050057	R DAC COPPER,X
67		00024	R 725001	A AXS 1
68		00025	R 600022	R JMP LUP
69				/
70		00026	R 220013	R LAC* N
71		00027	R 723004	A AAC 4
72		00030	R 040065	R DAC DEV
73		00031	R 120066	E JMS* ASS1 /PLUG INPUT DAT SLOT
74		00032	R 600034	R JMP .+1+1
75		00033	R 000065	R .DSA DEV
76		00034	R 120067	E JMS* DATAIN /READ INITIAL DATA
77		00035	R 600050	R JMP .+1+12
78		00036	R 400061	R .DSA LIB!400000
79		00037	R 400004	R .DSA EOLIB!400000
80		00040	R 400063	R .DSA COMP!400000
81		00041	R 400006	R .DSA EOCOMP!400000
82		00042	R 400062	R .DSA CONN!400000
83		00043	R 400005	R .DSA EOCONN!400000
84		00044	R 400060	R .DSA BOARD!400000
85		00045	R 400003	R .DSA EOBRD!400000
86		00046	R 000065	R .DSA DEV
87		00047	R 000074	R .DSA (2
88		00050	R 651000	A ECLA!CLQ
89		00051	R 120070	E JMS* DRAWCP /REDRAW PICTURE
90		00052	R 600056	R JMP EXIT /RETURN
91				/
92				/ SWAP SIDES OPTION
93				/
94				/
95		00053	R 120071	E SWAPSD JMS* SWOPSD
96		00054	R 600056	R JMP .+1+1
97		00055	R 400001	R .DSA ZYDE!400000
98		00056	R 620010	R EXIT JMP* HIH01
99				.EJECT

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100 00057 R 000000 A COPP
101 00060 R 000000 A BOARD
102 00061 R 000000 A LIB
103 00062 R 000000 A CONN
104 00063 R 000000 A COMP
105 00064 R 000000 A ROUTE
106 00065 R 000000 A DEV /DEVICE SELECTION FOR ASS1
107 000000 A .END
00066 R 000066 E *E
00067 R 000067 E *E
00070 R 000070 E *E
00071 R 000071 E *E
00072 R 000072 E *E
00073 R 000006 A *L
00074 R 000002 A *L
SIZE=00075 NO ERROR LINES
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ASS1	00066	37	73		
BOARD	00060	84	101*		
COMP	00063	80	104*		
CONN	00062	82	103*		
COPPER	00057	66	100*		
DATAIN	00067	37	76		
DEV	00065	72	75	86	106*
DRAWCP	00070	37	89		
ECLA	641000	50*	88		
EOBRD	00003	43*	43	85	
EOCOMP	00006	46*	46	81	
EOCONN	00005	45*	45	83	
EOCOPP	00002	42*	42		
EQLIB	00004	44*	44	79	
EOROUT	00007	47*	47		
EXIT	00056	90	98*		
HIHO1	00010	34	52*	98	
LIB	00061	78	102*		
LUP	00022	65*	68		
N	00013	55*	56	70	
ROUTE	00064	105*			
SWAPSD	00053	58	95*		
SWOPSD	00071	37	95		
ZYDE	00001	41*	41	97	
.DA	00072	37	53		
.XXMON	00000	40*	65		