

TITLE SET3

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/1 SUITE : PCB LAYOUT
/2 PROGRAM TITLE : REDAL 20
/3 ROUTINE TITLE : SET3

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/ THIS PROGRAM SOURCE FILE IS SUPPLIED IN CONFIDENCE TO THE
/ CUSTOMER; THE CONTENTS OR DETAILS OF ITS OPERATION MAY ONLY
/ BE DISCLOSED TO PERSONS EMPLOYED BY THE CUSTOMER WHO REQUIRE
/ A KNOWLEDGE OF THE SOFTWARE CODING TO CARRY OUT THEIR JOB.
/ DISCLOSURE TO ANY OTHER PERSON MUST HAVE THE PRIOR AUTHORISATION
/ FROM THE DIRECTORS OF REDAC SOFTWARE LIMITED.

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/6 PURPOSE : TO SET UP NAMED COMMON ADDRESSES AND ARRAY SIZES.

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/7 CALLING SEQUENCE AND DESCRIPTION OF ARGUMENTS:
/ CALL SET3

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/10 COMMON AREAS: COPPER BOARD LIBRY CONNX COMPS ROUTE DF LAYER

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/12 GLOBALS: SET3.DA

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/ *****
/ JUNE 1975: AMDT1 - SEE RL20 MAINLINE FOR FURTHER DETAILS
/ *****

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/ .GLOBL SET3.DA

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00000 R 000000 A SIZE .CBD SIZE 1
00001 R 000000 A COPPER .CBD COPPER 1
00002 R 000000 A BOARD .CBD BOARD 1
00003 R 000000 A LIBRY .CBD LIBRY 1
00004 R 000000 A CONNX .CBD CONNX 1
00005 R 000000 A COMPS .CBD COMPS 1
00006 R 000000 A ROUTE .CBD ROUTE 1
00007 R 000000 A DF .CBD DF 1
00010 R 000000 A NOSLAY .CBD LAYER 1
00011 R 740040 A SET3 XX
00012 R 600025 R JMP .+13
00013 R 000000 A SCOPP 0
00014 R 000000 A SBORD 0
00015 R 000000 A SLIB 0
00016 R 000000 A SCONN 0
00017 R 000000 A SCOMM 0

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53 00021 R 000000 A SDF 0
54 00022 R 000000 A STRK 0
55 00023 R 000000 A SPAD 0
56 00024 R 000000 A SDRL 0
57 00025 R 200147 R LAC (-12 /SET UP ADDRESSES FOR ARRAY SIZES
58 00026 R 040144 R DAC CNT*
59 00027 R 200150 R LAC (SCOPP-1
60 00030 R 060151 R DAC* (11
61 00031 R 200000 R LAC SIZE
62 00032 R 060011 A DAC* 11
63 00033 R 723001 A AAC 1
64 00034 R 440144 R ISZ CNT
65 00035 R 600032 R JMP .-3
66 /
67 00036 R 220152 R LAC* (.SCOM+2
68 00037 R 723001 A AAC 1
69 00040 R 040145 R DAC .XXMON*
70 .DEC
71 /
72 / AMDT1: THE ARRAY SIZES FOR THE 48K VERSION HAVE BEEN USED
73 / EXCEPT IN THE CASES OF THE DF AND CONNS ARRAYS.
74 / DF : SIZE =6001 (MAXIMUM SIZE REQUIRED WITH 1500 2 NODE TREES
75 / CONNS: SIZE = 9175 (1500 CONNS, 400 COMPS AND 5P.C. SELF CONNS)
76 /
77 /
78 / NOTE THAT THE CONNECTIONS ARRAY IS NOW USED FOR THE MASTER
79 / SET OF TREES DURING TREE COMPARISON AND THE DISPLAY FILE
80 / IS USED FOR THE CHECKING SET OF TREES.
81 /
82 / ALL CONDITIONAL ASSEMBLY REMOVED. THE 32K VERSION DEALS WITH
83 / BOTH 32K AND 48K DATASETS. THE ROUTES ARRAY IS NO LONGER
84 / USED AS THIS ARRAY IS NOT ACCESSED BY DUMP IN READ MODE.
85 /
86 00041 R 200153 R LAC (150
87 00042 R 060013 R DAC* SCOPP / COPPER ARRAY SIZE
88 00043 R 200154 R LAC (50
89 00044 R 060014 R DAC* SBORD / BOARD ARRAY SIZE
90 00045 R 200155 R LAC (511
91 00046 R 060015 R DAC* SLIB / LIBRARY ARRAY SIZE
92 00047 R 200156 R LAC (9175
93 00050 R 060016 R DAC* SCONN / CONNECTIONS ARRAY SIZE
94 00051 R 200157 R LAC (2400
95 00052 R 060017 R DAC* SCOMM / COMPONENTS ARRAY SIZE
96 00053 R 200160 R LAC (1
97 00054 R 060020 R DAC* SROUT / ROUTES ARRAY SIZE
98 00055 R 200161 R LAC (6001
99 00056 R 060021 R DAC* SDF / DISPLAY FILE SIZE (MINUS 40 WRDS FOR MAINFILE)
100 00057 R 200162 R LAC (10
101 00060 R 060022 R DAC* STRK / TRACK ASSIGNMENT TABLE SIZE
102 00061 R 200163 R LAC (64
103 00062 R 060023 R DAC* SPAD / PAD ASSIGNMENT TABLE SIZE
104 00063 R 200164 R LAC (32

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PAGE	3	SET3	SRC	SET3
105		00064 R	060024 R	SDRL / DRILL ASSIGNMENT TABLE SIZE
106		00065 R	200165 R	15
107		00066 R	060010 R	DAC* NOSLAY / DEFAULT NO OF LAYERS
108		00067 R	200145 R	LAC .XXMON
109		00070 R	060001 R	DAC* COPPER / SET UP ARRAY ADDRESSES
110		00071 R	360013 R	TAD* SCOPF / IN NAMED COMMON BLOCKS
111		00072 R	060002 R	DAC* BOARD
112		00073 R	360014 R	TAD* SBORD
113		00074 R	060003 R	DAC* LIBRY
114		00075 R	360015 R	TAD* SLIB
115		00076 R	060004 R	DAC* CONNX
116		00077 R	360016 R	TAD* SCONN
117		00100 R	060007 R	DAC* DF
118		00101 R	360021 R	TAD* SDF
119		00102 R	060005 R	DAC* COMPS
120		00103 R	360017 R	TAD* SCOMM
121		00104 R	060006 R	DAC* ROUTE
122		00105 R	360020 R	TAD* SROUT
123		00106 R	040143 R	DAC DSEND
124				.OCT
125				/
126				/TEST TO SEE IF ENOUGH DATA SPACE
127				/
128				/
129		00107 R	220166 R	LAC* (.SCOM+3
130		00110 R	740031 A	TCA
131		00111 R	340143 R	TAD DSEND
132		00112 R	741100 A	SPA
133		00113 R	620011 R	JMP* SET3
134				.WRITE -3,2,MESSA,34
		00114 R	002775 A *G	CAL+2*1000 -3&777
		00115 R	000011 A *G	11
		00116 R	000123 R *G	MESSA
			*G	.DEC
		00117 R	777736 A *G	-34
135				.WAIT -3
		00120 R	000775 A *G	CAL -3&777
		00121 R	000012 A *G	12
136		00122 R	620011 R	JMP* SET3
137			000100 A	.SCOM=100
138		00123 R	002002 A	MESSA 2002: 0
		00124 R	000000 A	
139		00125 R	536032 A	.ASCII /WARNING INSUFFICIENT DATA SPACE/<15>
		00126 R	247222 A	
		00127 R	472164 A	
		00130 R	044634 A	
		00131 R	516530 A	
		00132 R	643222 A	
		00133 R	416230 A	
		00134 R	547250 A	
		00135 R	202110 A	
		00136 R	152202 A	

PAGE 4 SET3 SRC SET3

00137 R 202472 A
00140 R 040606 A
00141 R 424320 A
00142 R 000000 A
00143 R 000000 A
00146 R 000146 E *E
00147 R 777766 A *L
00150 R 000012 R *L
00151 R 000011 A *L
00152 R 000102 A *L
00153 R 000226 A *L
00154 R 000062 A *L
00155 R 000777 A *L
00156 R 021727 A *L
00157 R 004540 A *L
00160 R 000001 A *L
00161 R 013561 A *L
00162 R 000022 A *L
00163 R 000100 A *L
00164 R 000040 A *L
00165 R 000017 A *L
00166 R 000103 A *L

DSEND 0
.END

SIZE=00167

NO ERROR LINES

140
141

PAGE	5	SET3	CROSS REFERENCE			
BOARD	00002	38*	38	111		
CNT	00144	58	64			
COMPS	00005	41*	41	119		
CONNX	00004	40*	40	115		
COPPER	00001	37*	37	109		
DF	00007	43*	43	117		
DSEND	00143	123	131	140*		
LIBRY	00003	39*	39	113		
MESSA	00123	134	138*			
NOSLAY	00010	44*	107			
ROUTE	00006	42*	42	121		
SBORD	00014	48*	89	112		
SCOMM	00017	51*	95	120		
SCONN	00016	50*	93	116		
SCOPP	00013	47*	59	87	110	
SDF	00021	53*	99	118		
SDRL	00024	56*	105			
SET3	00011	1	35	45*	133	136
SIZE	00000	36*	36	61		
SLIB	00015	49*	91	114		
SPAD	00023	55*	103			
SROUT	00020	52*	97	122		
STRK	00022	54*	101			
.DA	00146	35				
.SCOM	000100	67	129	137*		
.XXMON	00145	69	108			