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/
/ REDAC SOFTWARE LIMITED
/
/1 SUITE : P.C.B. LAYOUT
/2 PROGRAM TITLE : REDAL3 MK5
/3 ROUTINE TITLE : MOVE
/
/ 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 PRIOR
/ AUTHORISATION FROM THE DIRECTORS OF REDAC SOFTWARE LIMITED.
/
/4 AUTHOR: TRANSLATED FROM FORTRAN BY K. FOSTER
/5 DATE : DEC 1974
/
/6 PURPOSE: DRIVER FOR MOVE LIGHT BUTTON
/
/7 CALLING SEQUENCE AND DESCRIPTION OF PARAMETERS
/
/ CALL MOVE
/
/8 REGISTERS USED: XR,LR
/
/9 INTERNAL GLOBALS
/ .GLOBL MOVE.
/
/10 EXTERNAL GLOBALS
/ .GLOBL MOVERT,BUTTON,MESS2,TRACK,DFLPK,NAME1
/
/11 COMMON AREAS
/ .XXMON .CBD .XX 1
EOCOPP .CBD EOCOPP 1
EOBRD .CBD EOBRD 1
EOLIB .CBD EOLIB 1
EOCONN .CBD EOCONN 1
EOCOMP .CBD EOCOMP 1
EOROUT .CBD EOROUT 1
. EJECT

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00000 R 000000 A
00001 R 000000 A
00002 R 000000 A
00003 R 000000 A
00004 R 000000 A
00005 R 000000 A
00006 R 000000 A

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PAGE	2	MOVE	SRC
41	00007	R 000000	A MOVE 0
42	00010	R 735000	A CLX
43	00011	R 200253	R LAC (6
44	00012	R 722000	A PAL
45	00013	R 230000	R LUP LAC* .XXMON,X /COPY ARRAY STARTS AND LENGTHS
46	00014	R 050237	R DAC COPPER,X
47	00015	R 725001	A AXS 1
48	00016	R 600013	R JMP LUP
49			/
50			/
51	00017	R 140236	R L1 DZM IFLAG
52	00020	R 120247	E L2 JMS* MESS2 /DISPLAY MESSAGE
53	00021	R 600023	R JMP .+1+1
54	00022	R 000235	R .DSA THOUS
55	00023	R 600060	R JMP FOR1
56	00024	R 241546	A .ASCII /(64H KEY OP, 1 MOVE, 2 RTATE, 3 FIX, /
	00025	R 444100	A
	00026	R 456133	A
	00027	R 120236	A
	00030	R 501304	A
	00031	R 020142	A
	00032	R 202331	A
	00033	R 753212	A
	00034	R 261004	A
	00035	R 031100	A
	00036	R 512510	A
	00037	R 152212	A
	00040	R 261004	A
	00041	R 031500	A
	00042	R 432233	A
57	00043	R 026100	A .ASCII / 4 UNFIX, 5 CALL, 6 EXIT_) /
	00044	R 201504	A
	00045	R 052634	A
	00046	R 432233	A
	00047	R 026100	A
	00050	R 201524	A
	00051	R 041602	A
	00052	R 462305	A
	00053	R 420100	A
	00054	R 331010	A
	00055	R 554222	A
	00056	R 522765	A
	00057	R 100000	A
58	00060	R 120245	E FOR1 JMS* BUTTON /READ DISPLAY KEYS
59	00061	R 040234	R DAC N2
60	00062	R 540254	R SAD (5
61	00063	R 600132	R JMP L5
62	00064	R 540253	R SAD (6
63	00065	R 620007	R JMP* MOVE
64	00066	R 200236	R LAC IFLAG
65	00067	R 740200	A SZA /CALL MODE?
66	00070	R 600227	R JMP L7 /YES

PAGE	3	MOVE	SRC
67			
68			
69	00071	R 120247	E
70	00072	R 600074	R
71	00073	R 000235	R
72	00074	R 600111	R
73	00075	R 241446	A
	00076	R 144100	A
	00077	R 202411	A
	00100	R 744634	A
	00101	R 521010	A
	00102	R 152100	A
	00103	R 416371	A
	00104	R 550236	A
	00105	R 472131	A
	00106	R 652276	A
	00107	R 244000	A
	00110	R 000000	A
74	00111	R 120246	E
75	00112	R 600114	R
76	00113	R 000255	R
77	00114	R 040233	R
78	00115	R 741100	A
79	00116	R 600017	R
80	00117	R 120250	E
81	00120	R 600131	R
82	00121	R 000233	R
83	00122	R 000234	R
84	00123	R 400243	R
85	00124	R 400242	R
86	00125	R 400004	R
87	00126	R 400241	R
88	00127	R 000244	R
89	00130	R 400006	R
90	00131	R 600017	R
91			
92			
93			
94	00132	R 200236	R
95	00133	R 740200	A
96	00134	R 600060	R
97	00135	R 120247	E
98	00136	R 600140	R
99	00137	R 000235	R
100	00140	R 600153	R
101	00141	R 241427	A
	00142	R 144100	A
	00143	R 202513	A
	00144	R 150212	A
	00145	R 202231	A
	00146	R 626100	A
	00147	R 201004	A

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/
/
L4 JMS* MESS2 /DISPLAY MESSAGE
  JMP .+1+1
  .DSA THOUS
  JMP FOR2
  .ASCII /(21H POINT AT COMPONENT_)/

FOR2 JMS* DFLPK /LOOK FOR COMPONENT
  JMP .+1+1
  .DSA (1
  DAC N1
  SPA
  JMP L1 /EDGE OF SCREEN FOUND
L10 JMS* MOVERT /MOVE COMPONENT
  JMP .+1+10
  .DSA N1
  .DSA N2
  .DSA COMP!400000
  .DSA CONN!400000
  .DSA EOCONN!400000
  .DSA LIB!400000
  .DSA ROUTE
  .DSA EOROUT!400000
  JMP L1
/
/ THE CALL FACILITY
/
L5 LAC IFLAG
  SZA /ALREADY IN CALL MODE?
  JMP FOR1 /YES. IGNORE KEY HIT
  JMS* MESS2 /DISPLAY MESSAGE
  JMP .+1+1
  .DSA THOUS
  JMP FOR3
  .ASCII /(19H TYPE IN, NAME_)/

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PAGE	4	MOVE	SRC	
		00150 R	047202 A	
		00151 R	466133 A	
		00152 R	724400 A	
102		00153 R	120251 E	FOR3 JMS* NAME1 /READ COMP NAME
103		00154 R	600157 R	JMP .+1+2
104		00155 R	400243 R	.DSA COMP!400000
105		00156 R	400005 R	.DSA EOCOMP!400000
106		00157 R	040233 R	DAC N1
107		00160 R	741300 A	SPA!SNA
108		00161 R	600017 R	JMP L1 /N1<=0
109		00162 R	440236 R	ISZ IFLAG
110		00163 R	120252 E	JMS* TRACK /TURN TRACKING ON
111		00164 R	600170 R	JMP .+1+3
112				.DEC
113		00165 R	000256 R	.DSA (500
114		00166 R	000256 R	.DSA (500
115		00167 R	000257 R	.DSA (-1
116				.OCT
117		00170 R	120247 E	JMS* MESS2 /DISPLAY MESSAGE
118		00171 R	600173 R	JMP .+1+1
119		00172 R	000235 R	.DSA THOUS
120		00173 R	600226 R	JMP FOR4
121		00174 R	241527 A	.ASCII / (59H KEY OP, 1 MOVE, 2 RTATE, 3 FIX, /
		00175 R	144100 A	
		00176 R	456133 A	
		00177 R	120236 A	
		00200 R	501304 A	
		00201 R	020142 A	
		00202 R	202331 A	
		00203 R	753212 A	
		00204 R	261004 A	
		00205 R	031100 A	
		00206 R	512510 A	
		00207 R	152212 A	
		00210 R	261004 A	
		00211 R	031500 A	
		00212 R	432233 A	
		00213 R	026100 A	
122		00214 R	201504 A	.ASCII / 4 UNFIX, 5, 6 EXIT_) /
		00215 R	052634 A	
		00216 R	432233 A	
		00217 R	026100 A	
		00220 R	201525 A	
		00221 R	420100 A	
		00222 R	331010 A	
		00223 R	554222 A	
		00224 R	522765 A	
		00225 R	100000 A	
123		00226 R	600060 R	FOR4 JMP FOR1
124				/
125				/
126		00227 R	200234 R	L7 LAC N2

PAGE	5	MOVE	SRC	
127		00230 R 740031 A		TC
128		00231 R 040234 R		DAC N2
129		00232 R 600117 R		JMP L10
130				.EJECT

PAGE	6	MOVE	SRC
131		00233 R 000000 A	N1
132		00234 R 000000 A	N2
133			.DEC
134		00235 R 001750 A	THOUS 1000
135			.OCT
136		00236 R 000000 A	IFLAG /SET IF IN CALL MODE
137			/
138			/ ARRAY STARTS AND LENGTHS
139			/
140		00237 R 000000 A	COPPER
141		00240 R 000000 A	BOARD
142		00241 R 000000 A	LIB
143		00242 R 000000 A	CONN
144		00243 R 000000 A	COMP
145		00244 R 000000 A	ROUTE
146		000000 A	.END
		00245 R 000245 E	*E
		00246 R 000246 E	*E
		00247 R 000247 E	*E
		00250 R 000250 E	*E
		00251 R 000251 E	*E
		00252 R 000252 E	*E
		00253 R 000006 A	*L
		00254 R 000005 A	*L
		00255 R 000001 A	*L
		00256 R 000764 A	*L
		00257 R 777777 A	*L
		SIZE=00260	NO ERROR LINES

BOARD	00240	141*				
BUTTON	00245	30	58			
COMP	00243	84	104	144*		
CONN	00242	85	143*			
COPPER	00237	46	140*			
DFLPK	00246	30	74			
EOBRD	00002	35*	35			
EOCOMP	00005	38*	38	105		
EOCONN	00004	37*	37	86		
EOCOPP	00001	34*	34			
EOLIB	00003	36*	36			
EOROUT	00006	39*	39	89		
FOR1	00060	55	58*	96	123	
FOR2	00111	72	74*			
FOR3	00153	100	102*			
FOR4	00226	120	123*			
IFLAG	00236	51	64	94	109	136*
LIB	00241	87	142*			
LUP	00013	45*	48			
L1	00017	51*	79	90	108	
L10	00117	80*	129			
L2	00020	52*				
L4	00071	69*				
L5	00132	61	94*			
L7	00227	66	126*			
MESS2	00247	30	52	69	97	117
MOVE	00007	27	41*	63		
MOVERT	00250	30	80			
NAME1	00251	30	102			
N1	00233	77	82	106	131*	
N2	00234	59	83	126	128	132*
ROUTE	00244	88	145*			
THOUS	00235	54	71	99	119	134*
TRACK	00252	30	110			
.XXMON	00000	33*	45			

MOVE

COMMON

CALLED ROUTINES

BUTTON (SUBS)
DFLPK
MESS2 (MESS1)
MOVERT
NAME1

CALLING ROUTINES