

```

001 C-----
002 C
003 C
004 C
005 C
006 C THIS PROGRAM SOURCE FILE IS SUPPLIED IN CONFIDENCE TO THE
007 C CUSTOMER; THE CONTENTS OR DETAILS OF ITS OPERATION MAY ONLY
008 C BE DISCLOSED TO PERSONS EMPLOYED BY THE CUSTOMER WHO
009 C REQUIRE A KNOWLEDGE OF THE SOFTWARE CODING TO CARRY OUT
010 C THEIR JOB. DISCLOSURE TO ANY OTHER PERSON MUST HAVE PRIOR
011 C AUTHORISATION FROM THE DIRECTORS OF REDAC SOFTWARE LIMITED.
012 C
013 C1SUITE : P.C.B. LAYOUT
014 C2 PROGRAM TITLE : REDAL23 MARK2
015 C3 ROUTINE TITLE :
016 C
017 C4 AUTHOR
018 C5 DATE :
019 C
020 C6 PURPOSE :
021 C
022 C-----
023 C
024 C7 CALLING SEQUENCE AND DESCRIPTION OF ARGUMENTS :
025 C
026 C8 I/O DEVICES AND FUNCTIONS :
027 C
028 C9 EXTERNAL COMMON AREAS :
029 C
030 C10 INTERNAL COMMON AREAS :
031 C
032 C11 SUBROUTINES CALLED :
033 C
034 C12 METHOD :
035 C
036 C13 AMENDMENTS :
037 C
038 C-----
039 C SUBROUTINE FOR REASSIGNMENT OF TRACK AND PAD CHARACTERS.
040 C IF MODE=-1 THEN THE ROUTINE SETS UP THE INITIAL ASSIGNMENTS
041 C ELSE IT PERMITS REASSIGNMENTS TO BE TYPED IN
042 C SUBROUTINE ASSINE(IMODE)
043 C INTEGER BUTTON,MODE,CODE,WSID1,WSID2,N1,IMODE,SPACE
044 C IF(IMODE.NE.-1)GOTO 1
045 C MODE=IMODE
046 C 12 CALL ASSET(CODE,WSID1,WSID2,MODE,LAYER)
047 C IF(IMODE.EQ.-1)RETURN
048 C IF(MODE.EQ.3) GOTO 33
049 C IF(MODE.EQ.4) GOTO 34
050 C 1 CALL MESS2(1000)
051 C 1003 FORMAT(60H KEY OP, 1 ALL LAYERS, 2 SINGLE LAYER,
052 C 1 3 LIST, 4, 5, 6 EXIT_)
053 C N1=BUTTON(4)
054 C GOTO(51,52,2000,1,1,100),N1
055 C 51 LAYER=0
056 C GOTO 111
057 C 52 CALL MESS2(1000)
058 C 1012 FORMAT(15H TYPE IN,LAYER_)

```

```

059     LAYER=NUMBER(4)
060     111 CALL MESS2(1000)
061 1000 FORMAT(61H KEY OP, 1 TRACKS, 2 PADS, 3 SPACE, 4 COPPER,
062     1 5, 6 EXIT_)
063     N1=BUTTON(4)
064     GOTO(2,6,4,5,111,100),N1
065     2 CALL MESS2(1000)
066 1002 FORMAT(22H TYPE IN, CODE, WIDTH_)
067     CODE=NUMBER(4)
068     IF(CODE.LT.1.OR.CODE.GT.7)GOTO 11
069     WSID1=NUMBER(4)
070     21 MODE=0
071     GOTO 12
072     6 CALL MESS2(1000)
073 1006 FORMAT(31H TYPE IN, CODE,(0 FOR PT HOLE)_ )
074     CODE=NUMBER(4)
075     IF(CODE.GE.22.AND.CODE.LE.31)GOTO 3
076     IF(CODE.LT.0.OR.CODE.GT.31)GOTO 11
077     IF(LAYER.EQ.0)GOTO 86
078     GOTO 10
079     86 CALL MESS2(1000)
080 1086 FORMAT(30H TYPE IN, PAD DIAM, HOLE DIAM_)
081     WSID1=NUMBER(4)
082     WSID2=NUMBER(4)
083     GO TO 82
084     3 IF(LAYER.EQ.0)GO TO 7
085     CALL MESS2(1000)
086 1009 FORMAT(20H TYPE IN, SPOT DIAM_)
087     GOTO 82
088     10 CALL MESS2(1000)
089 1010 FORMAT(19H TYPE IN, PAD DIAM_)
090     WSID1=NUMBER(4)
091     GO TO 82
092     7 CALL MESS2(1000)
093 1007 FORMAT(33H TYPE IN, SPOT DIAM, MOVE LENGTH_)
094     WSID1=NUMBER(4)
095     WSID2=NUMBER(4)
096     82 MODE=1
097     GOTO 12
098     4 CALL MESS2(1000)
099 1004 FORMAT(16H TYPE IN, SPACE_)
100     WSID1=NUMBER(4)
101     WSID1=WSID1*2
102     CODE=8
103     GOTO 21
104     5 CALL MESS2(1000)
105 1005 FORMAT(20H TYPE IN, SPOT DIAM_)
106     WSID1=NUMBER(4)
107     CODE=0
108     GOTO 21
109     11 CALL MESS2(1000)
110 1011 FORMAT(24H WRONG CODE, HIT BUTTON_)
111 1020 N1=BUTTON(4)
112     GOTO 1
113     100 RETURN
114 C PRINT OUT ASSIGNMENT TABLES
115 2000 CALL LIST
116     GOTO 1

```

```
117      33 CALL MESS2(1000)
118 1033 FORMAT(15H ILLEGAL OPER_)
119      GOTO 1020
120      34 CALL MESS2(1000)
121 1034 FORMAT(29H ASSIGNMENT, TABLE, OVERFLOW_)
122      GOTO 1020
123      END
```