

HP-41C Routine Listing of 8K PPC Custom ROM BA  
PPC Calculator Journal V8 N2 P5/5 Mar-Apr 1981

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01 LBL "BA"      ;Barcode Analyzer - XROM 20,30
02 LBL 08
03 "SCAN"
04 CF 21
05 AVIEW
06 XROM 27,05 ;WNDSCN
07 SF 21
08 STO 18
09 FIX 0
10 2
11 X<Y?
12 GTO 00
13 5
14 SF 10
15 GTO 01
16 LBL 00
17 RCL 02
18 16
19 /
20 INT
21 LBL 01
22 .
23 X<> d
24 SF IND Y
25 "UT"          ;Unknown Type
26 FS?C 01
27 "PC"          ;Program Code - Not Private
28 FS?C 02
29 "PP"          ;Program Code - Private
30 FS?C 04
31 "DE"          ;Direct Execution
32 FS?C 05
33 "PK"          ;Paper Keyboard
34 FS?C 06
35 "ND"          ;Numeric Data
36 FS?C 07
37 "AR"          ;Alpha Replace data
38 FS?C 08
39 "AA"          ;Alpha Append Data
40 FS?C 09
41 "NS"          ;Numeric Sequenced Data
42 FS?C 10
43 "ARS"         ;Alpha Replace Sequenced Data
44 FS?C 11
45 "AAS"         ;Alpha Append Sequenced Data
46 X<> d
47 ASTO Z
48 "TYPE "
49 ARCL Y
50 ">" "        ;Append 1 space
51 ARCL Z
52 XROM 29,08 ;PRA
53 RCL 18
54 CF 29
55 E3
56 /
57 ISG X
58 STO 17
59 CF 12
60 "BY#      BIN"
61 ">"      DEC HEX CH"
62 XROM 29,08 ;PRA
63 CF 09
64 CF 08
65 RCL 01
66 CHS
67 STO 00
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68 LBL 02
69 CLA
70 ARCL 17
71 >" " ;Append 2 spaces
72 LBL 03
73 8
74 RCL IND 17
75 ENTER
76 FC? 09
77 ST+ 00
78 128
79 X<=Y?
80 ST- Z
81 X<=Y?
82 SF 08
83 /
84 LBL 04
85 ENTER
86 INT
87 ARCL X
88 -
89 ST+ X
90 DSE Z
91 GTO 04
92 RDN
93 RCL IND 17
94 >" " ;Append 2 spaces
95 E1
96 X>Y?
97 >" " ;Append 1 space
98 X^2
99 X>Y?
100 >" " ;Append 1 space
101 ARCL Y
102 >" " ;Append 2 spaces
103 %
104 XROM 29,01 ;ACA
105 16
106 MOD
107 X<>Y
108 LASTX
109 /
110 INT
111 XEQ 06
112 X<>Y
113 XEQ 06
114 FS?C 09
115 GTO 05
116 3
117 FC? 08
118 DSE X
119 XROM 29,22 ;SKPCHR
120 R^
121 FC?C 08
122 XROM 29,02 ;ACCHR
123 ADV
124 ISG 17
125 GTO 02
126 FS?C 10
127 GTO 05
128 " CHECKSUM:"
129 XROM 29,08 ;PRA
130 CLA
131 CLX
132 STO 17
133 SF 09
134 RCL 00
135 X=0?
136 GTO 03
137 255

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138 MOD  
139 X=0?  
140 LASTX  
141 STO 00  
142 GTO 03  
143 LBL 05  
144 3  
145 XROM 29,22 ;SKPCHR  
146 ADV  
147 FS?C 07  
148 RTN  
149 GTO 08  
150 LBL 06  
151 9  
152 X<Y?  
153 GTO 07  
154 RDN  
155 CLA  
156 ARCL X  
157 XROM 29,01 ;ACA  
158 RTN  
159 LBL 07  
160 RDN  
161 55  
162 +  
163 XROM 29,02 ;ACCHR  
164 END

0151C600F300424109F45343414EA9157EA6C5A81591129C00  
1244B10015A80AB200012211164368021ACE7EA8F2F25554AA  
01F25043AA02F25050AA04F24445AA05F2504BAA06F24E44AA  
07F24152AA08F24141AA09F24E53AA0AF3415253AA0BF34141  
53CE7E9A71F554595045209B72F27F209B71A7489012A91D1B  
134396739111A90CFA4259232020202042494EFF7F20202020  
44454320484558204348A748A909A90821543003879B11F37F  
20200418909183AD09920011121846937146A808430583689B  
734192739771B500759091F37F20201B1145F27F205145F27F  
209B72F37F20204CA74111164B71764368E0000671E00006AA  
09B60013AD089773A75674AB08A7428F9611B300AA0AB600FA  
20434845434B53554D3AA74887779111A8092067B400121515  
4B677630D000030613A7568FAA0785B900071944B80075879B  
73A741850875151540A742CA2F098B

337 BYTES

Program Registers Needed: 49

Row 1 (1 - 4)



Row 2 (4 - 12)



Row 3 (12 - 21)



Row 4 (22 - 27)



Row 5 (28 - 33)



Row 6 (33 - 38)



Row 7 (38 - 43)



Row 8 (43 - 48)



Row 9 (48 - 52)



Row 10 (52 - 59)



Row 11 (59 - 61)



Row 12 ( 61 )



Row 13 (61 - 69)



Row 14 (70 - 76)



Row 15 (77 - 84)



Row 16 (85 - 93)



Row 17 (93 - 99)



Row 18 (100 - 105)



Row 19 (105 - 113)



Row 20 (114 - 121)



Row 21 (121 - 128)



Row 22 (128 - 130)



Row 23 (131 - 138)



Row 24 (139 - 147)



Row 25 (148 - 157)



Row 26 (157 - 164)

