

HP-41C Routine Listing of 8K PPC Custom ROM LF  
PPC Calculator Journal V8 N2 P1/5 Mar-Apr 1981

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01 LBL "LF" ;Locate Free Register Block - XROM 10,05
02 XROM 10,62 ;E? (End Finder)
03 17
04 -
05 E3
06 /
07 177
08 +
09 XROM 10,58 ;OM (Open Memory)
10 "\2A\10\2A\00\00\2A\2A\F0" ;2A102A00002A2AF0 hex
11 .
12 ENTER
13 DSE T
14 GTO 14
15 LBL 00
16 X<> IND T
17 X=Y?
18 GTO 14
19 X<> M
20 ">\10" ;Append 10 hex
21 STO N
22 ARCL X
23 RDN
24 RCL N
25 X<> IND T
26 ISG T
27 GTO 00
28 LBL 14
29 X<> M
30 ARCL X
31 X<> N
32 SF 10
33 X=Y?
34 DSE T
35 CF 10
36 X<> Z
37 X<> c
38 R^
39 RTN
40 LBL "CK" ;Clear Key Assignments - XROM 10,06
41 XROM 10,62 ;E? (End Finder)
42 17
43 -
44 E3
45 /
46 177
47 +
48 DSE X
49 RTN
50 XROM 10,58 ;OM (Open Memory)
51 .
52 STO R
53 STO e
54 LBL 06
55 STO IND Z
56 ISG Z
57 GTO 06
58 X<>Y
59 X<> c
60 R^
61 RTN
62 LBL "VA" ;View Alpha - XROM 10,07
63 SF 25
64 XROM 29,08 ;PRA
65 FS?C 21 ;SF 25 between lines 64 and 65 in PPC ROM
66 CF 25
67 AVIEW
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68 FC?C 25
69 SF 21
70 RTN
71 LBL "UD" ;Uncover Data Register - XROM 10,08
72 CLA
73 ARCL 00
74 ASTO c
75 SREG 01 ;SigmaREG
76 RTN
77 LBL "PK" ;Pack Key Assignment Registers - XROM 10,09
78 XROM 10,62 ;E? (End Finder)
79 17
80 -
81 E3
82 /
83 175
84 +
85 ENTER
86 CF 09
87 CF 10
88 E
89 +
90 XROM 10,58 ;OM (Open Memory)
91 .
92 GTO 03
93 LBL 07
94 FS?C 09
95 X#0?
96 FS? 09
97 GTO 03
98 X<> M
99 FS?C 10
100 GTO 08
101 SF 10
102 "\2A\2A\F0" ;2 asterisks, F0 hex
103 X<> M
104 X<> N
105 ASTO L
106 GTO 03
107 LBL 08
108 ARCL L
109 X<> M
110 STO N
111 >"****" ;Append 3 asterisks
112 GTO 02
113 LBL 01
114 X<> IND T
115 SF 25
116 X#0?
117 FS?C 25
118 GTO 04
119 "****" ;4 asterisks
120 ARCL Y ;Corrected to ARCL c in PPC ROM
121 STO M
122 >"****" ;Append 4 asterisks
123 ASHF
124 X<> N
125 X=0?
126 SF 09
127 CLX
128 X<> N
129 FC? 09
130 STO M
131 X<> M
132 ASHF
133 X<> M
134 FC? 09
135 >"\F0" ;Append F0 hex
136 FC? 09
137 X=0?

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138 GTO 07
139 RDN
140 RCL M
141 STO N
142 ARCL Y      ;Corrected to ARCL c in PPC ROM
143 LBL 02
144 X<> N
145 X<> IND Z
146 ISG Z
147 LBL 03
148 ISG T
149 GTO 01
150 LBL 04
151 FC? 10
152 GTO 05
153 ARCL L
154 >"\00\00\00" ;Append 3 nulls
155 X<> M
156 STO IND Z
157 LBL 05
158 RDN
159 X<> c
160 X<>Y
161 ENTER
162 GTO 14
163 LBL "A?"      ;Assignment Register Finder - XROM 10,10
164 XROM 10,05 ;LF (Locate Free Register Block)
165 LBL 14
166 CLA
167 INT
168 175
169 -
170 .5
171 FC?C 10
172 SIGN
173 -
174 RTN
175 LBL "DC"      ;Decimal to Character - XROM 10,11
176 INT
177 256
178 MOD
179 LASTX
180 +
181 OCT
182 X<> d
183 FS?C 11
184 SF 12
185 FS?C 10
186 SF 11
187 FS?C 09
188 SF 10
189 FS? 07
190 SF 09
191 FS? 06
192 SF 08
193 X<> d
194 X<> M
195 RCL N
196 >"*"          ;Append 1 asterisk
197 X<> O
198 X<>Y
199 STO N
200 X<> P
201 >"*"          ;Append 1 asterisk
202 STO P
203 RDN
204 X<> O
205 X<> N
206 STO M
207 RDN
208 END

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019BC000F3004C46A2BE1117411B134311171740A2BAF82A10  
2A00002A2AF01A839770BF0001CEF078BF00CE75F27F109176  
9B73759076CEF09670B1000FCE759B73CE76A80A789770A90A  
CE71CE7D7485C000F300434BA2BE1117411B13431117174097  
7385A2BA1A917A917F0791F19671B70071CE7D7485C000F300  
5641A819A748AA15A9197EAB19A81585C000F3005544879B00  
9A7D990185C000F300504BA2BE1117411B13431117154083A9  
09A90A1B40A2BA1AB40008AA0963AC09B400CE75AA0AB900A8  
0AF32A2AF0CE75CE769A74B400099B74CE759176F47F2A2A2A  
B30002CEF0A81963AA19B500F42A2A2A2A9B729175F57F2A2A  
2A2A88CE7667A80977CE76AD099175CE7588CE75AD09F27FF0  
AD0967B80075907591769B7203CE76CEF19671049670B20005  
AD0AB6009B74F47F000000CE7591F10675CE7D7183BF00C000  
F300413FA2850F8768111715411A15AB0A7A4185C000F30044  
43681215164B76406FCE7EAA0BA80CAA0AA80BAA09A80AAC07  
A809AC06A808CE7ECE759076F27F2ACE77719176CE78F27F2A  
917875CE77CE76917575C0000D0F

411 BYTES

Program Registers Needed: 59

Row 1 (1 - 5)



Row 2 (6 - 10)



Row 3 (10 - 17)



Row 4 (18 - 24)



Row 5 (24 - 31)



Row 6 (31 - 38)



Row 7 (39 - 44)



Row 8 (44 - 52)



Row 9 (52 - 59)



Row 10 (60 - 65)



Row 11 (65 - 71)



Row 12 (71 - 77)



Row 13 (77 - 83)



Row 14 (83 - 92)



Row 15 (92 - 99)



Row 16 (100 - 105)



Row 17 (105 - 111)



Row 18 (111 - 118)



Row 19 (118 - 122)



Row 20 (122 - 129)



Row 21 (129 - 135)



Row 22 (136 - 143)



Row 23 (144 - 151)



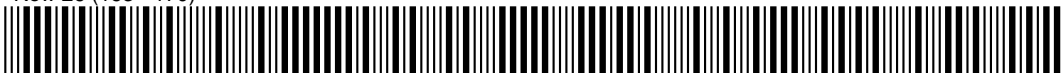
Row 24 (151 - 156)



Row 25 (156 - 163)



Row 26 (163 - 170)



Row 27 (171 - 177)



Row 28 (177 - 185)



Row 29 (185 - 191)



Row 30 (192 - 197)



Row 31 (198 - 204)



Row 32 (205 - 208)

