

Table 1 Function definition of single keyboard (up to 114 keys) which can be splitted in two parts by user. Both parts can be separately assigned different MIDI channels and transposition at run-time.

Scanpoint #	On Function	Off Function	Contact type	Note
1	Note #1 On	Note #1 Off	button	
2	Note #2 On	Note #2 Off	button	
3	Note #3 On	Note #3 Off	button	
4	Note #4 On	Note #4 Off	button	
5	Note #5 On	Note #5 Off	button	
6	Note #6 On	Note #6 Off	button	
7	Note #7 On	Note #7 Off	button	
8	Note #8 On	Note #8 Off	button	
9	Note #9 On	Note #9 Off	button	
10	Note #10 On	Note #10 Off	button	
11	Note #11 On	Note #11 Off	button	
12	Note #12 On	Note #12 Off	button	
13	Note #13 On	Note #13 Off	button	
14	Note #14 On	Note #14 Off	button	
15	Note #15 On	Note #15 Off	button	
16	Note #16 On	Note #16 Off	button	
17	Note #17 On	Note #17 Off	button	
18	Note #18 On	Note #18 Off	button	
19	Note #19 On	Note #19 Off	button	
20	Note #20 On	Note #20 Off	button	
21	Note #21 On	Note #21 Off	button	
22	Note #22 On	Note #22 Off	button	
23	Note #23 On	Note #23 Off	button	
24	Note #24 On	Note #24 Off	button	
25	Note #25 On	Note #25 Off	button	
26	Note #26 On	Note #26 Off	button	
27	Note #27 On	Note #27 Off	button	
28	Note #28 On	Note #28 Off	button	
29	Note #29 On	Note #29 Off	button	
30	Note #30 On	Note #30 Off	button	
31	Note #31 On	Note #31 Off	button	
32	Note #32 On	Note #32 Off	button	
33	Note #33 On	Note #33 Off	button	
34	Note #34 On	Note #34 Off	button	
35	Note #35 On	Note #35 Off	button	
36	Note #36 On	Note #36 Off	button	
37	Note #37 On	Note #37 Off	button	
38	Note #38 On	Note #38 Off	button	
39	Note #39 On	Note #39 Off	button	
40	Note #40 On	Note #40 Off	button	
41	Note #41 On	Note #41 Off	button	
42	Note #42 On	Note #42 Off	button	
43	Note #43 On	Note #43 Off	button	
44	Note #44 On	Note #44 Off	button	
45	Note #45 On	Note #45 Off	button	
46	Note #46 On	Note #46 Off	button	
47	Note #47 On	Note #47 Off	button	
48	Note #48 On	Note #48 Off	button	
49	Note #49 On	Note #49 Off	button	
50	Note #50 On	Note #50 Off	button	
51	Note #51 On	Note #51 Off	button	
52	Note #52 On	Note #52 Off	button	
53	Note #53 On	Note #53 Off	button	
54	Note #54 On	Note #54 Off	button	
55	Note #55 On	Note #55 Off	button	
56	Note #56 On	Note #56 Off	button	
57	Note #57 On	Note #57 Off	button	
58	Note #58 On	Note #58 Off	button	
59	Note #59 On	Note #59 Off	button	
60	Note #60 On	Note #60 Off	button	
61	Note #61 On	Note #61 Off	button	
62	Note #62 On	Note #62 Off	button	
63	Note #63 On	Note #63 Off	button	
64	Note #64 On	Note #64 Off	button	
65	Note #65 On	Note #65 Off	button	
66	Note #66 On	Note #66 Off	button	
67	Note #67 On	Note #67 Off	button	
68	Note #68 On	Note #68 Off	button	
69	Note #69 On	Note #69 Off	button	
70	Note #70 On	Note #70 Off	button	
71	Note #71 On	Note #71 Off	button	
72	Note #72 On	Note #72 Off	button	
73	Note #73 On	Note #73 Off	button	
74	Note #74 On	Note #74 Off	button	
75	Note #75 On	Note #75 Off	button	
76	Note #76 On	Note #76 Off	button	
77	Note #77 On	Note #77 Off	button	
78	Note #78 On	Note #78 Off	button	
79	Note #79 On	Note #79 Off	button	
80	Note #80 On	Note #80 Off	button	
81	Note #81 On	Note #81 Off	button	
82	Note #82 On	Note #82 Off	button	
83	Note #83 On	Note #83 Off	button	
84	Note #84 On	Note #84 Off	button	
85	Note #85 On	Note #85 Off	button	
86	Note #86 On	Note #86 Off	button	

87	Note #87 On	Note #87 Off	button	
88	Note #88 On	Note #88 Off	button	
89	Note #89 On	Note #89 Off	button	
90	Note #90 On	Note #90 Off	button	
91	Note #91 On	Note #91 Off	button	
92	Note #92 On	Note #92 Off	button	
93	Note #93 On	Note #93 Off	button	
94	Note #94 On	Note #94 Off	button	
95	Note #95 On	Note #95 Off	button	
96	Note #96 On	Note #96 Off	button	
97	Note #97 On	Note #97 Off	button	
98	Note #98 On	Note #98 Off	button	
99	Note #99 On	Note #99 Off	button	
100	Note #100 On	Note #100 Off	button	
101	Note #101 On	Note #101 Off	button	
102	Note #102 On	Note #102 Off	button	
103	Note #103 On	Note #103 Off	button	
104	Note #104 On	Note #104 Off	button	
105	Note #105 On	Note #105 Off	button	
106	Note #106 On	Note #106 Off	button	
107	Note #107 On	Note #107 Off	button	
108	Note #108 On	Note #108 Off	button	
109	Note #109 On	Note #109 Off	button	
110	Note #110 On	Note #110 Off	button	
111	Note #111 On	Note #111 Off	button	
112	Note #112 On	Note #112 Off	button	
113	Note #113 On	Note #113 Off	button	
114	Note #114 On	Note #114 Off	button	
115	Division #1 Transpose Octave Up	none	button	Octave transposition is NOT memorized into Flash memory
116	Division #1 Transpose Octave Down	none	button	Octave transposition is NOT memorized into Flash memory
117	Division #2 Transpose Octave Up	none	button	Octave transposition is NOT memorized into Flash memory
118	Division #2 Transpose Octave Down	none	button	Octave transposition is NOT memorized into Flash memory
119	Division #1 Transpose Note Up	none	button	Note transposition is memorized into Flash memory
120	Division #1 Transpose Note Down	none	button	Note transposition is memorized into Flash memory
121	Division #2 Transpose Note Up	none	button	Note transposition is memorized into Flash memory
122	Division #2 Transpose Note Down	none	button	Note transposition is memorized into Flash memory
123	Division #1 MIDI channel Up	none	button	MIDI channel is memorized into Flash memory
124	Division #1 MIDI channel Down	none	button	MIDI channel is memorized into Flash memory
125	Division #2 MIDI channel Up	none	button	MIDI channel is memorized into Flash memory
126	Division #2 MIDI channel Down	none	button	MIDI channel is memorized into Flash memory
127	Coupler Division#1 to Division#2 On	Coupler Division#1 to Division#2 Off	switch	Coupler status is NOT memorized into Flash memory
128	Split point setting	none	button	Split point is memorized into Flash memory

NOTE: This table is an example of how user can order his own function table to be pre-programmed into PIC16F84 chip for **MKC128** controller more details about **MKC128** project can be found on it's homepage: www.geocities.com/jdpetkov

j.d.petkov@mailcity.com