

1 WD1002A-WX1
2 =====
3
4 Drives: 2 MFM drives supported.
5
6 Replaced by: WD1004A-WX1
7
8 Debug address: Primary controller - C800:5
9 Secondary controller - CA00:5
10
11 Models: Rev G (62-000042-013).
12 Rev H (62-000042-015).
13 Super BIOS (62-000094-0X2).
14
15 J1 HD control connector.
16 J2 Drive 0 data connector.
17 J3 Drive 1 data connector.
18
19 W1, W2 Not applicable to WD1002A-WX1. The need for these
20 jumpers was eliminated by an artwork change
21 when
22 this board was released.
23
24 W3 Closed (Default) BIOS enabled.
25 Open BIOS disabled.
26
27 W4 1-2 Secondary address (324-327). Must have
28 Super BIOS
29 to use this feature.
30 2-3 (Default) Primary address (320-323).
31
32 W5 1-2 (Default) Connected by an etch on the
33 board.
34 Used when BIOS is a 2732 or 2764.
35 2-3 BIOS is a 2716. Must cut etch at W5
36 1-2.
37
38 W6 1-2 Drives have maximum of 16 heads.
39 2-3 (Default) Drives have maximum of 8
40 heads, and RWC
41 is used.
42
43 W7 1-2 (Default) IRQ5. Connected by etch.
44 2-3 IRQ2. You must cut etch at W7 1-2.
45 Also, this
46 configuration requires a custom
47 BIOS.
48
49 W8 1-2 Secondary controller in dual-controller
50 system.
51 2-3 (Default) Primary controller.
52
53 (Super BIOS) The following S1-x settings control the operation of the
54 BIOS. S1-1 and S1-2 control drive 0, while S1-3 and S1-4 control
55 drive 1.
56
57 S1 1 Closed BIOS table 0. Drive must equal 20MB, 612 cyl,
58 2 Closed 4 heads, and RWC = 450.
59 3 Closed
60 4 Closed
61
62 1 Open BIOS table 1. Drive must equal 10MB, 306 cyl,
63 2 Closed 4 heads, and RWC = 153.
64 3 Open
65 4 Closed
66
67 1 Closed BIOS table 2. Drive must equal 10MB, 615 cyl,
68 2 Open 2 heads, and RWC = 450.
69 3 Closed

70 4 Open
71
72 1 Open BIOS table 3. Drive must equal 20MB, 615 cyl,
73 2 Open 4 heads, and RWC = 450.
74 3 Open
75 4 Open
76
77 S1 5, 6 These MUST remain open.
78
79 S1 7 Open IRQ5 (see W7).
80 7 Closed IRQ2 (see W7).
81
82 (Rev G) The following S1-x settings control the operation of BIOS.
83 S1-1 and S1-2 control drive 0, while S1-3 and S1-4 control drive 1.
84
85 S1 1 Closed BIOS table 0. Drive must equal 20MB, 612 cyl,
86 2 Closed 4 heads (ie. Microscience HH725).
87 3 Closed
88 4 Closed
89
90 1 Open BIOS table 1. Drive must equal 10MB, 612 cyl,
91 2 Closed 2 heads, RWC = 128 (ie. Miniscribe 3012).
92 3 Open
93 4 Closed
94
95 1 Closed BIOS table 2. Drive must equal 20MB, 612 cyl,
96 2 Open 4 heads, and RWC = 128 (ie. Seagate ST225).
97 3 Closed
98 4 Open
99
100 1 Open BIOS table 3. Drive must equal 10MB, 306 cyl,
101 2 Open 4 heads (ie. Seagate ST412).
102 3 Open
103 4 Open
104
105 (Rev H) The following S1-x settings control the operation of the BIOS.
106 S1-1, S1-2, and S1-7 control drive 0, while S1-3, S1-4, and S1-8
107 control drive 1.
108
109 S1 1 Closed BIOS table 0. Drive must equal 42.51MB, 977 cyl,
110 2 Closed 5 heads (ie. Seagate ST4051).
111 7 Closed
112 3 Closed
113 4 Closed
114 8 Closed
115
116 1 Open BIOS table 1. Drive must equal 31.9MB, 733 cyl,
117 2 Closed 2 heads, RWC = 300 (ie. Seagate 4038).
118 7 Closed
119 3 Open
120 4 Closed
121 8 Closed
122
123 1 Closed BIOS table 2. Drive must equal 33.4MB, 640 cyl,
124 2 Open 6 heads (ie. Rodime 203E).
125 7 Closed
126 3 Closed
127 4 Open
128 8 Closed
129
130 1 Open BIOS table 3. Drive must equal 62.3MB, 1024 cyl,
131 2 Open 8 heads.
132 7 Closed
133 3 Open
134 4 Open
135 8 Closed
136
137 1 Closed BIOS table 4. Drive must equal 42.8MB, 820 cyl,
138 2 Closed 6 heads (ie. Seagate ST251).

139 7 Open
140 3 Closed
141 4 Closed
142 8 Open
143
144 1 Open BIOS table 5. Drive must equal 10MB, 612 cyl,
145 2 Closed 2 heads, RWC = 128 (ie. Miniscribe 3012).
146 7 Open
147 3 Open
148 4 Closed
149 8 Open
150
151 1 Closed BIOS table 6. Drive must equal 20MB, 612 cyl,
152 2 Open 4 heads (ie. Seagate ST225).
153 7 Open
154 3 Closed
155 4 Open
156 8 Open
157
158 1 Open BIOS table 7. Drive must equal 10MB, 306 cyl,
159 2 Open 4 heads (ie. Seagate ST412).
160 7 Open
161 3 Open
162 4 Open
163 8 Open