

Western Digital

WD 1003-WA2

OEM Manual

Parts List

March 1986

Preliminary

XO	2721	INITIAL RELEASE	dmf	2-3-86	
REV.	ECO	DESCRIPTION	APPR	DATE	
TOLERANCES (EXCEPT AS NOTED)	SIGNATURE		WESTERN DIGITAL C O R P O R A T I O N		
	DRAWN	DATE			
PLACES XX ± .010 XXX ± .005	CHECK		TITLE PARTS LIST WD1003-WA2		
	ENGINEER	DATE			
ANGLES ± 0°30'	MOLES +.004 -.001	ENGINEER	DWG SIZE A	DRAWING NUMBER 61-000107	REV XO
DO NOT SCALE DWG			SCALE	SHT 1 OF 9	

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO WDC AND SHALL NOT BE REPRODUCED OR FURTHER DISCLOSED TO ANYONE OTHER THAN WDC EMPLOYEES WITHOUT WRITTEN AUTHORIZATION FROM WESTERN DIGITAL CORPORATION

WESTERN DIGITAL
CORPORATION

PARTS LIST

Drawing Number

Revision Level

61-000107

X0

Drawing Title

PARTS LIST WD1003-WA2

Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req	U/M
R01	61-000107	ASSEMBLY		REF	
R02	68-000093	SCHEMATIC		REF	
R03	96-000184	ENGINEERING SPEC		REF	
R04	96-000183	TEST SPEC		REF	
R05		TEST PROCEDURES		REF	
R06		Q. A. PLAN		REF	
R07		CHARACTERIZATION REPORT		REF	
R08		FULL PRODUCTION RELEASE REPORT		REF	
R09		O.E.M. MANUAL		REF	

WESTERN DIGITAL
CORPORATION**PARTS LIST****Drawing Number**

61-000107

Revision Level

X0

Drawing Title

PARTS LIST WD1003-WA2

Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req	U
1	60-000081-03	PWB FAB		1	
2	AS0132	IC, 74LS132	U13	1	
3	AA0406	IC, 7406	U12,	1	
4	AS0014	IC, 74LS14	U6,16,18	3	
5	AA7438	IC, 7438	U11,14,15	3	
6	AS0008	IC, 74LS08	U1,17	2	
7	AS0020	IC, 74LS20	U20	1	
8	AS0245	IC, 74LS245	U8,26	2	
9	29-000024-00	IC, MC3486	U5	1	
10	29-000021-00	IC, MC3487	U4	1	
11	AS0174	IC, 74LS174	U19	1	
12	AI2017	IC, RAM 2KX1, 100NSEC	U7	1	
13	AS0629	IC, 74LS629	U23	1	
14	29-000020-00	IC, UPD765	U25	1	
15	29-000087-001	IC,WD210A-PL05-02, PLASTIC	U3	1	
16	62-002013-800	IC, WD1015 - PL37E-02	U2	1	
17					
18	62-003046-000	G.A. WD11C00A-22 84 PLCC	U10	1	
19	62-003037-002	IC, FRWC WD16C92	U24	1	
20					
21					
22	28-000006-00	IC, LF411	U21	1	

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PARTS LIST WD1003-WA2

Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req	U
23	AM5787	TPQ 6700	U22	1	
24	AM3904	TRANSISTOR	Q1,2,3	3	
25	33-000007-000	CRYSTAL, 24MHZ	Y2	1	
26	33-000004-00	CRYSTAL, 10MHZ	Y1	1	
27	AT4148	DIODE 1N4148	CR1,2,3	3	
28	GA0594	INDUCTOR, 4.7 uh, 10%	L1	1	
29					
30	CA0117	CAP, ELECT, 22MF, 16V	C9,16	2	
31	17-001002-00	CAP. 22PF, 10%, 50V, COG NPO	C10	1	
32	17-001001-00	CAP, .1MF, +80-20%, 50V	C5-8,11-15,17, 19,20,	17	
33	17-001039-00	CAP, 10PF, 10%, 50V, NPO	C29 24,28,32,35,33	1	
34	17-001013-00	CAP, 15PF, 10%, 50V, NPO	C30,1,2	3	
35	17-001019-00	CAP, 220PF, ±5%, 50V	C27	1	
36	17-001012-00	CAP, .047MF, 10%, X7R	C21	1	
37	17-001018-00	CAP, .01MF, 10%, X7R	C23,18	2	
38	17-001009-00	CAP, .22MF, +80-20%, 50V	C25	1	
39	19-001006-00	CAP, 4.7MF, 15V, 20%, AXI	C34	1	
40					
41	17-001030-00	CAP, 180PF, ±5%, 50V	C26	1	
42	17-001022-00	CAP, 1000PF, ±5%, 50V	C31,3,4	3	
43					
44					

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Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req
45				
46				
47				
48				
49				
50				
51				
52				
53	11-005000-415	RES, 3.09K ±1%, 1/8W	R14	1
54	15-601001-338	RES, 487 OHM, ±1%, 1/8W	R28,4	2
55	11-000098-00	RES, 100 OHM, ±1%, 1/8W	R17-20,29	5
56	13-000001-00	RESNET, 220/330±2%, 1/8W	Z1	1
57				
58	11-000292-00	RES, 10K, ±1%, 1/8W	R15,16	2
59				
60				
61				
62	DF0104	RES, 10K, ±5%, 1/4W	R10	1
63				
64				
65	DF0823	RES, 220 OHM, ±5%, 1/4W	R8	1
66	DB0122	RES, 1.2K, ±5%, 1/4W	R5,7,9	3

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Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req	U/M
67	DB0921	RES, 27K, ±5%, 1/4W	R6	1	EA
68					
69	DB0916	RES, 100 OHM, ±5%, 1/4W	R3,11,12	3	EA
70	DB0919	RES, 240 OHM, ±5%, 1/4W	R1	1	EA
71	11-000195-00	RES, 1K, ± 1%, 1/8W	R27	1	EA
72					
73	11-000128-00	RES, 200 OHM, ± 1%, 1/8W	R22	1	EA
74	11-005000-322	RES, 332 OHM, ±1%, 1/8W	R21	1	EA
75	11-000204-00	RES, 1.21K, ± 1%, 1/8W	R23,24	2	EA
76					
77					
78					
79					
80					
81					
82	39-004002-00	INDUCTOR, FERRITE BEAD	L2,3,4	3	EA
83					
84					
85					
86					
87	41-001018-00	CONN, 34 PIN HDR, NO PIN 15	J5	1	EA
88	41-001017-00	CONN, 34 PIN, NO PIN 5	J1	1	EA

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PARTS LIST WD1003-WA2

Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req
89	41-001016-00	CONN, 20 PIN, NO PIN 8	J3,4	2
90	41-001008-00	CONN, 4PIN HDR, 1 ROW	J6	1
91	41-001007-00	CONN. 6 PIN HDR, 2 ROW	E1-6	1
92	FE0006	CONN, 3 PIN HDR	E7-9	1
93	FF0000	STRAP, JUMPER		3
94				
95	43-000025-00	SOCKET, 84 PIN PLCC	U10	1
96				
97				
98				
99				
100				
101	63-050040-00	BRACKET		1
102	HG0015	SCREW 4x40, 1/4		2

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PARTS LIST WD1003-WA2

Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req	U/
200	62-003039-000	IC, WD10C20A READ/WRITE DATA SEPARATOR	U101	1	EA
201	39-002009-000	DELAY LINE, DUAL 4TAP DIP	U102	1	EA
202	47-001001-00	RES, ZERO OHM 2.5A 22 AWG	R105	1	EA
203	DB0917	RES, CF 100K 5% 1/4W	R103	1	EA
204	11-005000-346	RES, MF 590 OHM 1% 1/8W 100PPM	R107	1	EA
205	DG0001	RES, MF 1.50K 1% 1/8W 100PPM	R106	1	EA
206	11-000292-00	RES, MF 10.0K 1% 1/8W 100PPM	R102	1	EA
207	11-005000-518	RES, MF 36.5K 1% 1/8W 100PPM	R101	1	EA
208	33-000004-00	CRYSTAL, 10 MHZ .01% 0-70C PARAL	Y101	1	EA
209	17-001045-00	CAP, CER 1000 PF 20% 50V X7R AXL	C106	1	EA
210	17-001020-00	CAP, CER 47 PF 5% 50V NPO AXL	C105	1	EA
211	17-001004-00	CAP, CER 68 PF 5% 50V NPO AXL	C104	1	EA
212	17-001005-00	CAP, CER 150 PF 5% 50V NPO AXL	C112	1	EA
213	17-001030-00	CAP, CER 180 PF 5% 50V NPO AXL	C108,110	2	EA
214	17-001022-00	CAP, CER 1000 PF 5% 50V NPO AXL	C109	1	EA
215	17-001036-00	CAP, CER 4700 PF 5% 50V NPO AXL	C111	1	EA
216	17-001008-00	CAP, CER .01MF +80-20% 50V Z5U AXL	C113	1	EA
217	17-001001-00	CAP, CER .1MF +80-20 50V Z5U AXL	C101	1	EA
218	19-001004-00	CAP, TANT 10MF 20% 25V AXL	C102	1	EA

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PARTS LIST WD1003-WA2

Model Number

**Find
No.**

Part Number

Description

Ref Designators

**Qty
Req**

U/E

219

32-001001-00

DIODE, VAR 1-9V MVAM109

CR101

1

EA

220

36-002004-00

INDUCTOR, 4.7UH 1% AXL

L102

1

EA

221

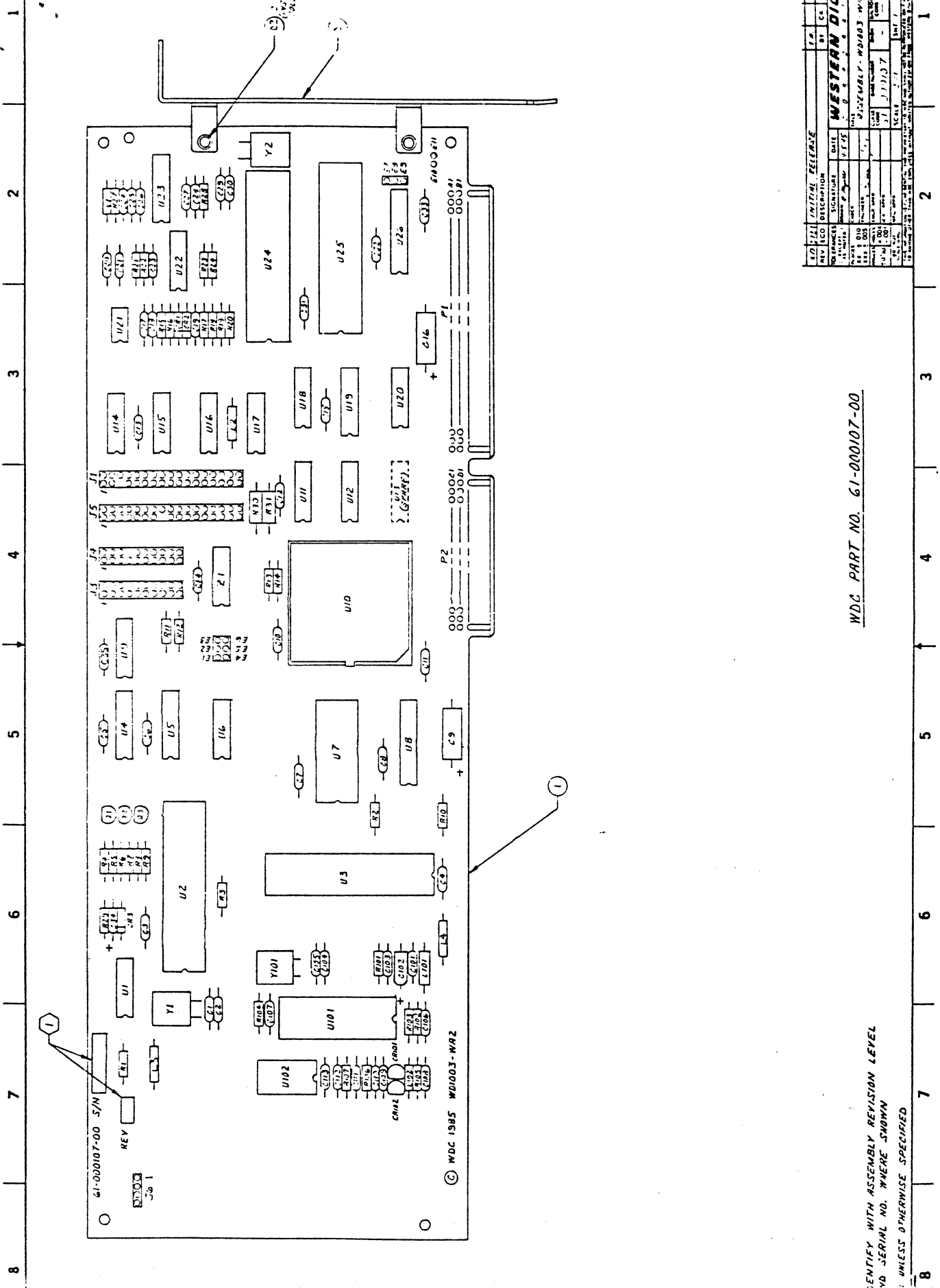
39-004002-00

FERRITE BEAD

L101

1

EA



61-000107-00 S/M
REV 1
2 of 1
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WDC PART NO. 61-000107-00

REV	DATE	INITIALS	RELEASE
1	12	BY	CA
2	12	BY	CA
3	12	BY	CA
4	12	BY	CA
5	12	BY	CA
6	12	BY	CA
7	12	BY	CA
8	12	BY	CA

WESTERN DIGITAL

DATE: 12/15/85
 DRAWN BY: J. J. JENSEN
 CHECKED BY: J. J. JENSEN
 SCALE: 1:1
 PART NO.: 61-000107-00

IDENTIFY WITH ASSEMBLY REVISION LEVEL AND SERIAL NO. WHERE SHOWN
 NOTE: UNLESS OTHERWISE SPECIFIED

WESTERN DIGITAL CORPORATION	PARTS LIST	Drawing Number	Revision Level
		61-000107	X0

Drawing Title PARTS LIST WD1003-WA2	Model Number
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Find No.	Part Number	Description	Ref Designators	Qty Req	U/I
R01	61-000107	ASSEMBLY		REF	
R02	68-000093	SCHEMATIC		REF	
R03	96-000184	ENGINEERING SPEC		REF	
R04	96-000183	TEST SPEC		REF	
R05		TEST PROCEDURES		REF	
R06		Q. A. PLAN		REF	
R07		CHARACTERIZATION REPORT		REF	
R08		FULL PRODUCTION RELEASE REPORT		REF	
R09		O.E.M. MANUAL		REF	

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CORPORATION**PARTS LIST****Drawing Number**

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Drawing Title

PARTS LIST WD1003-WA2

Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req
1	60-000081-03	PWB FAB		1
2	AS0132	IC, 74LS132	U13	1
3	AA0406	IC, 7406	U12,	1
4	AS0014	IC, 74LS14	U6,16,18	3
5	AA7438	IC, 7438	U11,14,15	3
6	AS0008	IC, 74LS08	U1,17	2
7	AS0020	IC, 74LS20	U20	1
8	AS0245	IC, 74LS245	U8,26	2
9	29-000024-00	IC, MC3486	U5	1
10	29-000021-00	IC, MC3487	U4	1
11	AS0174	IC, 74LS174	U19	1
12	AI2017	IC, RAM 2KX1, 100NSEC	U7	1
13	AS0629	IC, 74LS629	U23	1
14	29-000020-00	IC, UPD765	U25	1
15	29-000087-001	IC,WD210A-PL05-02, PLASTIC	U3	1
16	62-002013-800	IC, WD1015 - PL37E-02	U2	1
17				
18	62-003046-000	G.A. WD11C00A-22 84 PLCC	U10	1
19	62-003037-002	IC, FRWC WD16C92	U24	1
20				
21				
22	28-000006-00	IC, LF411	U21	1

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PARTS LIST WD1003-WA2

Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req
23	AM5787	TPQ 6700	U22	1
24	AM3904	TRANSISTOR	Q1,2,3	3
25	33-000007-000	CRYSTAL, 24MHZ	Y2	1
26	33-000004-00	CRYSTAL, 10MHZ	Y1	1
27	AT4148	DIODE 1N4148	CR1,2,3	3
28	GA0594	INDUCTOR, 4.7 uh, 10%	L1	1
29				
30	CA0117	CAP, ELECT, 22MF, 16V	C9,16	2
31	17-001002-00	CAP. 22PF, 10%, 50V, COG NPO	C10	1
32	17-001001-00	CAP, .1MF, +80-20%, 50V	C5-8,11-15,17, 19,20,	17
33	17-001039-00	CAP, 10PF, 10%, 50V, NPO	C29 24,28,32,35,33	1
34	17-001013-00	CAP, 15PF, 10%, 50V, NPO	C30,1,2	3
35	17-001019-00	CAP, 220PF, ±5%, 50V	C27	1
36	17-001012-00	CAP, .047MF, 10%, X7R	C21	1
37	17-001018-00	CAP, .01MF, 10%, X7R	C23,18	2
38	17-001009-00	CAP, .22MF, +80-20%, 50V	C25	1
39	19-001006-00	CAP, 4.7MF, 15V, 20%, AXI	C34	1
40				
41	17-001030-00	CAP, 180PF, ±5%, 50V	C26	1
42	17-001022-00	CAP, 1000PF, ±5%, 50V	C31,3,4	3
43				
44				

WESTERN DIGITAL
CORPORATION**PARTS LIST**

Drawing Number

61-000107

Revision Letter

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PARTS LIST WD1003-WA2

Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req
45				
46				
47				
48				
49				
50				
51				
52				
53	11-005000-415	RES, 3.09K $\pm 1\%$, 1/8W	R14	1
54	15-601001-338	RES, 487 OHM, $\pm 1\%$, 1/8W	R28,4	2
55	11-000098-00	RES, 100 OHM, $\pm 1\%$, 1/8W	R17-20,29	5
56	13-000001-00	RESNET, 220/330 $\pm 2\%$, 1/8W	Z1	1
57				
58	11-000292-00	RES, 10K, $\pm 1\%$, 1/8W	R15,16	2
59				
60				
61				
62	DF0104	RES, 10K, $\pm 5\%$, 1/4W	R10	1
63				
64				
65	DF0823	RES, 220 OHM, $\pm 5\%$, 1/4W	R8	1
66	DB0122	RES, 1.2K, $\pm 5\%$, 1/4W	R5,7,9	3

WESTERN DIGITAL CORPORATION	PARTS LIST	Drawing Number	Revision Level
		61-000107	X0

Drawing Title	Model Number
PARTS LIST WD1003-WA2	

Flnd No.	Part Number	Description	Ref Designators	Qty Req	U/M
67	DB0921	RES, 27K, ±5%, 1/4W	R6	1	EA
68					
69	DB0916	RES, 100 OHM, ±5%, 1/4W	R3,11,12	3	EA
70	DB0919	RES, 240 OHM, ±5%, 1/4W	R1	1	EA
71	11-000195-00	RES, 1K, ± 1%, 1/8W	R27	1	EA
72					
73	11-000128-00	RES, 200 OHM, ± 1%, 1/8W	R22	1	EA
74	11-005000-322	RES, 332 OHM, ±1%, 1/8W	R21	1	EA
75	11-000204-00	RES, 1.21K, ± 1%, 1/8W	R23,24	2	EA
76					
77					
78					
79					
80					
81					
82	39-004002-00	INDUCTOR, FERRITE BEAD	L2,3,4	3	EA
83					
84					
85					
86					
87	41-001018-00	CONN, 34 PIN HDR, NO PIN 15	J5	1	EA
88	41-001017-00	CONN, 34 PIN, NO PIN 5	J1	1	EA

WESTERN DIGITAL
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Drawing Title

PARTS LIST WD1003-WA2

Model Number

Find No.	Part Number	Description	Ref Designators	Qty Req
89	41-001016-00	CONN, 20 PIN, NO PIN 8	J3,4	2
90	41-001008-00	CONN, 4PIN HDR, 1 ROW	J6	1
91	41-001007-00	CONN. 6 PIN HDR, 2 ROW	E1-6	1
92	FE0006	CONN, 3 PIN HDR	E7-9	1
93	FF0000	STRAP, JUMPER		3
94				
95	43-000025-00	SOCKET, 84 PIN PLCC	U10	1
96				
97				
98				
99				
100				
101	63-050040-00	BRACKET		1
102	HG0015	SCREW 4x40, 1/4		2

WESTERN DIGITAL CORPORATION	PARTS LIST	Drawing Number	Revision Lev
		61-000107	XO

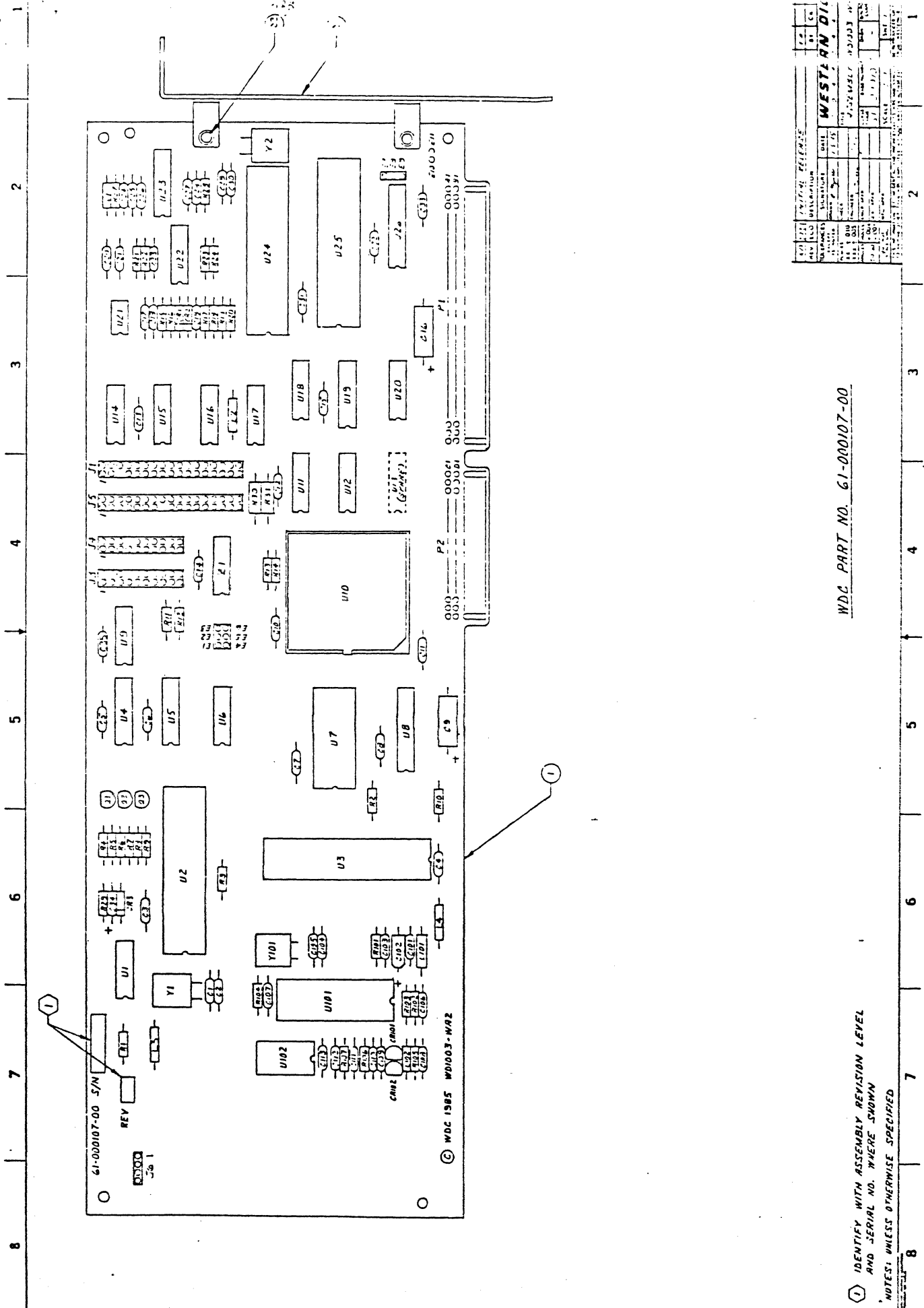
Drawing Title	PARTS LIST WD1003-WA2	Model Number	
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Fnd No.	Part Number	Description	Ref Designators	Qty Req
200	62-003039-000	IC, WD10C20A READ/WRITE DATA SEPARATOR	U101	1
201	39-002009-000	DELAY LINE, DUAL 4TAP DIP	U102	1
202	47-001001-00	RES, ZERO OHM 2.5A 22 AWG	R105	1
203	DB0917	RES, CF 100K 5% 1/4W	R103	1
204	11-005000-346	RES, MF 590 OHM 1% 1/8W 100PPM	R107	1
205	DG0001	RES, MF 1.50K 1% 1/8W 100PPM	R106	1
206	11-000292-00	RES, MF 10.0K 1% 1/8W 100PPM	R102	1
207	11-005000-518	RES, MF 36.5K 1% 1/8W 100PPM	R101	1
208	33-000004-00	CRYSTAL, 10 MHZ .01% 0-70C PARAL	Y101	1
209	17-001045-00	CAP, CER 1000 PF 20% 50V X7R AXL	C106	1
210	17-001020-00	CAP, CER 47 PF 5% 50V NPO AXL	C105	1
211	17-001004-00	CAP, CER 68 PF 5% 50V NPO AXL	C104	1
212	17-001005-00	CAP, CER 150 PF 5% 50V NPO AXL	C112	1
213	17-001030-00	CAP, CER 180 PF 5% 50V NPO AXL	C108,110	2
214	17-001022-00	CAP, CER 1000 PF 5% 50V NPO AXL	C109	1
215	17-001036-00	CAP, CER 4700 PF 5% 50V NPO AXL	C111	1
216	17-001008-00	CAP, CER .01MF +80-20% 50V Z5U AXL	C113	1
217	17-001001-00	CAP, CER .1MF +80-20 50V Z5U AXL	C101	1
218	19-001004-00	CAP, TANT 10MF 20% 25V AXL	C102	1

WESTERN DIGITAL C O R P O R A T I O N	PARTS LIST	Drawing Number	Revision Level
		61-000107	X0

Drawing Title	PARTS LIST WD1003-WA2	Model Number	
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Find No.	Part Number	Description	Ref Designators	Qty Req
219	32-001001-00	DIODE, VAR 1-9V MVAM109	CR101	1
220	36-002004-00	INDUCTOR, 4.7UH 1% AXL	L102	1
221	39-004002-00	FERRITE BEAD	L101	1



61-000107-00 S/N
REV 1
JOB 1

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WDC PART NO. 61-000107-00

1 IDENTIFY WITH ASSEMBLY REVISION LEVEL AND SERIAL NO. WHERE SHOWN
NOTES: UNLESS OTHERWISE SPECIFIED

REVISION		DATE		BY	
1	INITIAL RELEASE	11/75	J. J. J. J.		
2					
3					
4					
5					
6					
7					
8					