

DataMan DM8070 Verification Report

Software Version: 5.7.7, Unit Serial: 1A1825PP326030

Verified: 22.10.2018 11:32:41, Last Calibrated: Not Calibrated

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Report Summary

Data	01189011480060242102G0RRY9Y86XQ<GS>911129<GS>92dPIdQsDxD0cVQzwFuLyE4VLsmfsSzfCRhALZsksW/8l0m6kpJtJII6D333cV1HLSVCvk4oTFJhfMaktOffGx
Symbology	DataMatrix

Verification Grades

Standard	Grade	Aperture	Wavelength	Lighting	Formal Grade
ISO15415	C (2.0)	8	660	45	2.0/08/660/45
Generic	Pass				

Image



ISO15415 Quality Parameters

1.	Unused Error Correction (UEC)	A	100%		PASS
2.	Symbol Contrast (SC)	A	71%	RI/Rd (90/19)	PASS
3a.	Modulation (MOD)	C			PASS
3b.	Reflectance Margin (RM)	C			PASS
4.	Axial Nonuniformity (ANU)	A	0.1%		PASS
5.	Grid Nonuniformity (GNU)	A	12.4%		PASS
6.	Fixed Pattern Damage (FPD)	C	2.0		PASS
7.	Left 'L' Side (LLS)	A			PASS
8.	Bottom 'L' Side (BLS)	A			PASS
9.	Left Quiet Zone (LQZ)	C			PASS
10.	Bottom Quiet Zone (BQZ)	B			PASS
11a.	Upper Left Quiet Zone (ULQZ)	A			PASS
11b.	Upper Right Quiet Zone (URQZ)	A			PASS
12a.	Right Upper Quiet Zone (RUQZ)	A			PASS
12b.	Right Lower Quiet Zone (RLQZ)	A			PASS
13a.	Upper Left Quadrant Top Transition Ratio (ULQTTR)	A	0%		PASS
13b.	Upper Right Quadrant Top Transition Ratio (URQTTR)	A	0%		PASS
13c.	Lower Left Quadrant Top Transition Ratio (LLQTTR)	A	0%		PASS
13d.	Lower Right Quadrant Top Transition Ratio (LRQTTR)	A	0%		PASS
14a.	Upper Left Quadrant Right Transition Ratio (ULQRTR)	A	0%		PASS
14b.	Upper Right Quadrant Right Transition Ratio (URQRTR)	A	0%		PASS
14ac.	Lower Left Quadrant Right Transition Ratio (LLQRTR)	A	0%		PASS
14d.	Lower Right Quadrant Right Transition Ratio (LRQRTR)	A	0%		PASS
15a.	Upper Left Quadrant Top Clock Track (ULQTCT)	C			PASS
15b.	Upper Right Quadrant Top Clock Track (URQTCT)	C			PASS
15c.	Lower Left Quadrant Top Clock Track (LLQTCT)	C			PASS
15d.	Lower Right Quadrant Top Clock Track (LRQTCT)	C			PASS
16a.	Upper Left Quadrant Right Clock Track (ULQRCT)	B			PASS
16b.	Upper Right Quadrant Right Clock Track (URQRCT)	B			PASS
16c.	Lower Left Quadrant Right Clock Track (LLQRCT)	C			PASS
16d.	Lower Right Quadrant Right Clock Track (LRQRCT)	B			PASS
17.	Average Grade (AG)	C	3.0		PASS
18.	DECODE	A			PASS

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General Characteristics	
Matrix Size	40x40 (Data: 38x38)
Horizontal BWG	-5%
Vertical BWG	0%
Encoded characters	130
Total Codewords	162
Data Codewords	114
Error Correction Budget	48
Errors Corrected	0
Error Capacity Used	0
Error Correction Type	ECC 200
Image	Black on white
Nominal X Dim	10.2 mil
Contrast Uniformity	18 at module(20,5)
MRD	18% (43% - 61%)

ASCII Values	
048 049 049 056 057 048 049 049 052 056 048 048 054 048	
050 052 050 049 048 050 071 048 082 082 089 057 089 056	
054 088 081 029 057 049 049 049 050 057 029 057 050 100	
080 073 100 081 115 068 120 068 048 099 086 081 122 119	
070 117 076 121 069 052 086 076 115 109 102 115 083 122	
102 067 082 104 065 076 090 115 107 115 087 047 056 108	
048 109 054 107 112 074 116 074 073 073 054 068 051 051	
051 099 086 049 072 076 083 067 086 107 052 111 084 070	
074 104 102 077 097 107 116 079 102 070 071 120 090 072	
081 061 061 029	

Data Matrix Codewords	
83 94 DC 8D B2 82 BE 9A 97 84 48 31 53 53 5A 3A 5A D8 59	
52 1E DD 8D 9F 1E DE 65 51 4A 65 52 74 45 79 45 31 64 57	
52 7B 78 47 76 4D 7A 46 35 57 4D 74 6E 67 74 54 7B 67 44	
53 69 42 4D 5B 74 6C 74 58 30 39 6D 31 6E 37 6C 71 4B 75	
4B 4A 4A 37 45 A3 34 64 57 32 49 4D 54 44 57 6C 35 70 55	
47 4B 69 67 4E 62 6C 75 50 67 47 48 79 5B 49 52 3E 3E 1E	
CE 6F C6 86 B1 9B 7F 20 6F 45 FC BF AB 2C D7 5A 39 D4 7D	
E0 6F 1E 09 E9 B3 51 77 39 30 52 D7 5C F0 75 77 4E 1B 9B	
BF 78 53 3F 5B D5 B5 40 BF 9E	

*=Fixed by Error Correction

Encodation Analysis		
Codeword	Mode	Result
83	ASCII	01
94	ASCII	18
DC	ASCII	90
8D	ASCII	11
B2	ASCII	48
82	ASCII	00
BE	ASCII	60
9A	ASCII	24
97	ASCII	21
84	ASCII	02
48	ASCII	G
31	ASCII	0
53	ASCII	R
53	ASCII	R
5A	ASCII	Y
3A	ASCII	9
5A	ASCII	Y
D8	ASCII	86
59	ASCII	X
52	ASCII	Q
1E	ASCII	<GS>
DD	ASCII	91
8D	ASCII	11
9F	ASCII	29
1E	ASCII	<GS>
DE	ASCII	92
65	ASCII	d
51	ASCII	P
4A	ASCII	l
65	ASCII	d
52	ASCII	Q
74	ASCII	s
45	ASCII	D
79	ASCII	x
45	ASCII	D
31	ASCII	0
64	ASCII	c
57	ASCII	V
52	ASCII	Q
7B	ASCII	z
78	ASCII	w
47	ASCII	F
76	ASCII	u
4D	ASCII	L
7A	ASCII	y
46	ASCII	E
35	ASCII	4
57	ASCII	V
4D	ASCII	L
74	ASCII	s
6E	ASCII	m
67	ASCII	f
74	ASCII	s
54	ASCII	S
7B	ASCII	z
67	ASCII	f

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44	ASCII	C
53	ASCII	R
69	ASCII	h
42	ASCII	A
4D	ASCII	L
5B	ASCII	Z
74	ASCII	s
6C	ASCII	k
74	ASCII	s
58	ASCII	W
30	ASCII	/
39	ASCII	8
6D	ASCII	l
31	ASCII	0
6E	ASCII	m
37	ASCII	6
6C	ASCII	k
71	ASCII	p
4B	ASCII	J
75	ASCII	t
4B	ASCII	J
4A	ASCII	l
4A	ASCII	l
37	ASCII	6
45	ASCII	D
A3	ASCII	33
34	ASCII	3
64	ASCII	c
57	ASCII	V
32	ASCII	1
49	ASCII	H
4D	ASCII	L
54	ASCII	S
44	ASCII	C
57	ASCII	V

6C	ASCII	k
35	ASCII	4
70	ASCII	o
55	ASCII	T
47	ASCII	F
4B	ASCII	J
69	ASCII	h
67	ASCII	f
4E	ASCII	M
62	ASCII	a
6C	ASCII	k
75	ASCII	t
50	ASCII	O
67	ASCII	f
47	ASCII	F
48	ASCII	G
79	ASCII	x
5B	ASCII	Z
49	ASCII	H
52	ASCII	Q
3E	ASCII	=
3E	ASCII	=
1E	ASCII	<GS>
CE, 6F, C6, 86, B1, 9B, 7F, 20, 6F, 45, FC, BF, AB, 2C, D7, 5A, 39, D4, 7D, E0, 6F, 1E, 09, E9, B3, 51, 77, 39, 30, 52, D7, 5C, F0, 75, 77, 4E, 1B, 9B, BF, 78, 53, 3F, 5B, D5, B5, 40, BF, 9E	ECC	

Modulation Values

101	97	97	97	101	97	98	97	96	94	96	93	98	96	97	94	96	98	101	97	96	89	96	92	92	92	94	93	92	89	97	94	94	89	97	90	89	84	86	80	90	93
84	56	73	52	76	50	81	53	76	40	75	48	80	29	72	30	61	30	75	44	68	54	64	46	55	33	61	28	69	20	65	33	65	49	65	37	55	44	59	40	71	92
68	89	60	34	64	60	76	61	67	60	63	38	57	52	54	47	50	52	59	54	56	49	44	57	48	46	61	53	52	53	40	53	51	68	64	44	35	45	34	56	57	75
63	68	42	42	48	40	64	38	63	53	59	57	60	60	59	64	41	44	45	46	52	46	55	56	48	55	64	36	46	44	50	48	54	64	55	56	50	65	38	55	68	84
60	74	66	51	63	69	58	56	73	60	64	61	57	62	52	49	56	44	60	51	62	52	68	67	65	73	72	45	52	63	42	48	48	50	52	53	61	67	57	56	57	75
56	72	52	72	69	53	57	67	53	69	63	50	52	42	52	59	65	56	55	55	52	62	51	53	44	49	48	45	48	56	41	46	56	64	62	61	46	65	42	57	61	90
56	80	65	64	75	67	55	64	59	60	53	63	56	62	47	64	52	41	43	57	56	69	48	61	75	45	61	60	64	44	50	53	51	32	46	43	45	40	41	27	34	75
53	72	51	60	49	80	75	52	58	54	66	57	60	46	54	50	61	36	48	56	51	53	51	50	65	84	85	64	44	50	59	46	46	44	45	39	49	58	42	44	53	85
44	78	68	61	52	81	84	77	64	50	66	60	47	48	56	53	65	49	61	67	66	60	56	57	53	73	71	46	51	56	44	53	45	67	68	61	59	50	50	44	46	80
44	69	68	57	68	72	71	59	45	75	68	69	64	50	62	53	54	56	71	64	48	44	62	57	56	61	54	52	63	67	43	58	42	59	57	52	58	58	56	64	67	88
31	77	66	46	52	65	77	52	64	42	57	48	64	49	68	51	48	59	60	57	60	61	66	53	60	48	58	52	56	57	49	62	52	57	53	56	35	57	51	60	38	81
35	81	38	54	61	53	53	77	50	66	51	58	61	51	42	65	62	54	65	61	47	52	64	44	54	52	47	60	64	72	68	44	60	42	38	50	53	36	66	66	59	86
47	66	58	48	50	56	50	69	51	54	60	55	53	59	49	56	59	38	53	42	57	50	36	56	37	46	46	52	58	63	50	50	47	38	38	51	52	65	57	69	54	77
44	72	70	56	65	55	58	63	62	60	65	59	57	56	58	47	60	61	53	59	47	57	50	78	69	55	51	49	38	46	45	57	61	52	60	52	60	63	52	60	51	82
47	84	53	56	69	61	56	61	70	55	48	61	62	56	52	50	54	57	63	49	56	53	53	73	57	48	48	43	48	53	46	73	48	48	44	71	69	73	60	55	42	72
39	66	65	60	60	53	46	61	46	59	46	50	64	57	49	58	61	67	60	61	48	49	61	65	59	52	45	42	54	62	45	61	62	56	61	62	66	48	43	46	59	85
42	88	68	61	59	48	53	56	38	56	62	57	55	60	61	56	63	41	62	62	56	66	44	37	54	43	53	42	47	53	64	43	56	64	61	57	58	56	64	43	52	73
47	64	34	60	47	58	64	40	49	55	63	59	56	52	60	56	48	47	52	56	28	52	51	46	45	40	52	54	60	51	61	54	58	64	36	52	48	61	53	54	50	81
39	77	65	39	72	54	53	68	60	61	56	41	57	60	64	62	48	53	55	52	56	52	51	61	61	49	38	56	42	57	65	50	57	61	61	64	48	46	44	53	54	73
36	66	39	61	68	42	52	64	60	53	56	48	42	61	59	52	52	50	50	48	40	45	42	44	53	35	44	44	44	36	36	50	40	40	56	61	42	48	34	49	53	80
44	66	65	77	80	65	62	66	60	57	69	66	61	57	58	64	62	58	62	60	57	64	57	56	62	61	76	61	66	77	61	72	60	61	72	66	74	61	56	49	62	69
69	73	36	70	36	66	18	64	44	42	38	48	44	58	47	52	36	53	38	60	39	54	28	56	34	56	32	54	36	53	35	52	36	58	34	60	25	53	22	62	57	81
68	70	69	78	62	65	61	52	56	53	58	64	47	58	54	44	61	38	44	57	64	61	30	57	44	53	54	53	67	52	62	56	38	40	47	52	46	50	48	55	52	72
61	73	66	43	53	54	54	51	58	58	60	59	48	57	57	61	52	62	56	51	40	65	62	61	46	59	61	67	77	69	67	53	48	53	62	52	38	61	60	66	48	78
64	77	66	55	53	62	44	58	58	52	64	49	44	53	63	68	60	62	60	53	54	65	54	38	54	61	56	53	50	46	44	52	48	61	64	55	63	47	53	47	50	72
64	76	69	72	52	66	61	55	56	67	52	66	62	39	48	52	63	53	61	58	34	54	40	54	40	63	48	66	60	66	53	44	41	60	57	43	61	62	82	61	51	80
64	77	70	70	57	62	64	52	61	58	62	38	46	53	60	56	71	64	62	48	58	60	38	68	57	57	55	46	64	38	52	61	32	36	73	42	61	72	62	38	52	65
68	77	70	59	60	65	48	48	66	61	62	61	57	64	53	55	48	60	57	51	42	60	56	42	48	32	61	64	58	65	68	62	39	58	64	60	51	52	52	57	55	77
73	84	46	55	61	84	65	56	38	56	65	50	54	42	63	48	47	61	54	60	61	58	64	66	62	44	53	56	39	53	62	61	69	64	64	52	53	56	53	47	48	65
72	68	66	64	53	34	61	66	59	47	52	52	56	56	52	54	62	60	46	50	46	49	73	38	56	47	49	51	60	45	34	35	46	44	60	60	50	52	65	35	56	76
72	78	62	55	56	76	66	53	63	57	36	49	52	55	50	56	64	46	44	57	54	60	27	56	54	56	48	50	65	46	52	53	60	51	60	60	44	58	60	69	60	65
72	77	52	60	58	46	40	58	63	53	67	55	52	65	50	60	51	61	64	65	31	56	66	50	44	48	58	64	40	42	53	54	40	52	57	64	68	68	70	36	59	76
71	66	51	68	59	61	51	44	61	51	62	59	61	60	51	52	54	62	50	46	56	62	62	39	54	50	39	56	65	61	60	38	50	54	65	72	65	32	54	35	58	63
69	72	73	52	61	72	56	60	57	57	60	48	61	47	61	69	70	35	62	62	40	66	44	50	53	36	50	39	58	68	70	62	38	53	32	60	27	61	46	65	44	73
69	76	76	53	38	73	64	72	66	64	73	66	50	46	61	64	31	52	52	62	66	62	39	59	48	50	64	43	38	58	18	54	36	58	64	69	61	42	46	62	58	64
72	85	43	66	63	57	58	47	58	34	56	64	64	64	72	65	64	64	36	52	36	62	47	53	56	44	43	60	62	42	57	62	62	40	60	61	23	58	35	40	56	75
73	80	48	68	38	62	46	56	64	58	47	58	62	68	32	60	34	57	61	44	60	65	42	40	64	36	66	61	69	47	50	56	64	57	57	48	54	22	58	58	58	55
72	74	50	50	61	36	61	46	64	69	44	62	21	44	65	26	42	56	36	64	34	68	68	58	26	46	60	64	70	62	60	58	43	55	57	57	30	49	61	32	53	75
71	88	46	66	44	64	43	57	62	70	43	58	38	57	30	56	39	60	65	65	76	70	27	47	60	65	38	53	76	76	69	66	66	62	32	61	72	73	18	62	62	61
73	76	36	69	55	69	63	57	31	60	66	62	40	61	62	62	40	60	30	48	38	70	61	39	68	73	43	51	48	32	62	72	69	64	44	51	48	40	45	66	51	76
67	64	66	77	60	61	61	69	62	69	68	72	69	77	68	64	57	68	64	65	69	70	57	64																		