

Adapted From U.S. Patent No. 5,392,270 (“Okada”)

TABLE 1

8-Bit Data Hexadecimal	13-Bit Encoded Data	NRZI Recorded Data
00	0011000000000	0010000000000
01	0001100000000	0001000000000
02	0000110000000	0000100000000
03	0000011000000	0000010000000
04	0000001100000	0000001000000
05	0000000110000	0000000100000
06	0000000011000	0000000010000
07	0000000001100	0000000001000
08	1111000000000	1010000000000
09	0011110000000	0010100000000
0a	0001111000000	0001010000000
0b	0000111100000	0000101000000
0c	0000011110000	0000010100000
0d	0000001111000	0000001010000
0e	0000000111100	0000000101000
0f	0000000001111	0000000001010
10	1100110000000	1000100000000
11	1100011000000	1000010000000
12	1100001100000	1000001000000
13	1100000110000	1000000100000

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14	1100000011000	1000000010000
15	1100000001100	1000000001000
16	1100000000011	1000000000010
17	0011001100000	0010001000000
18	0011000110000	0010000100000
19	0011000011000	0010000010000
1a	0011000001100	0010000001000
1b	0011000000011	0010000000010
1c	0001100110000	0001000100000
1d	0001100011000	0001000010000
1e	0001100001100	0001000001000
1f	0001100000011	0001000000010

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TABLE 2

8-Bit Data Hexadecimal	13-Bit Encoded Data	NRZI Recorded Data
20	0000110011000	0000100010000
21	0000110001100	0000100001000
22	0000110000011	0000100000010
23	0000011001100	0000010001000
24	0000011000011	0000010000010
25	0000001100011	0000001000010
26	0000000110011	0000000100010
27	1111110000000	1010100000000
28	0011111100000	0010101000000
29	0001111110000	0001010100000
2a	0000111111000	0000101010000
2b	0000011111100	0000010101000
2c	0000000111111	0000000101010
2d	1100111100000	1000101000000
2e	1100011110000	1000010100000
2f	1100001111000	1000001010000
30	1100000111100	1000000101000
31	1100000001111	1000000001010
32	0011001111000	0010001010000
33	0011000111100	0010000101000

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34	0011000001111	0010000001010
35	0001100111100	0001000101000
36	0001100001111	0001000001010
37	0000110001111	0000100001010
38	0000011001111	0000010001010
39	1111001100000	1010001000000
3a	1111000110000	1010000100000
3b	1111000011000	1010000010000
3c	1111000001100	1010000001000
3d	1111000000011	1010000000010
3e	0011110011000	0010100010000
3f	0011110001100	0010100001000

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TABLE 3

8-Bit Data Hexadecimal	13-Bit Encoded Data	NRZI Recorded Data
40	0011110000011	0010100000010
41	0001111001100	0001010001000
42	0001111000011	0001010000010
43	0000111100011	0000101000010
44	0000011110011	0000010100010
45	1100110011000	1000100010000
46	1100110001100	1000100001000
47	1100110000011	1000100000010
48	1100011001100	1000010001000
49	1100011000011	1000010000010
4a	1100001100011	1000001000010
4b	1100000110011	1000000100010
4c	0011001100011	0010001000010
4d	0011000110011	0010000100010
4e	0001100110011	0001000100010
4f	1111111100000	1010101000000
50	0011111111000	0010101010000
51	0001111111100	0001010101000
52	0000011111111	0000010101010
53	1111001111000	1010001010000

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