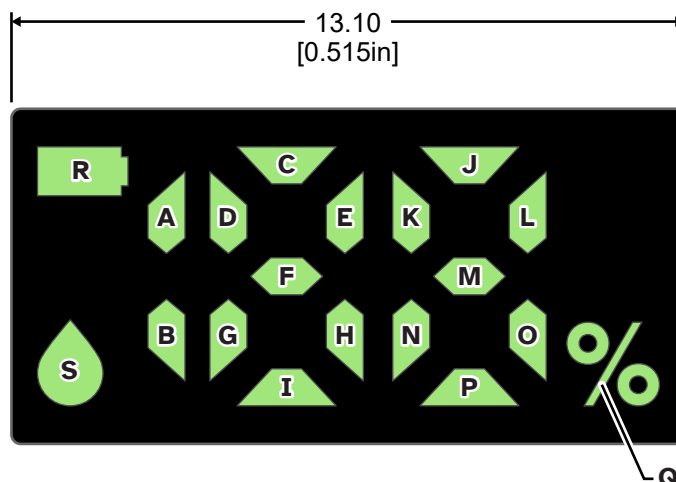
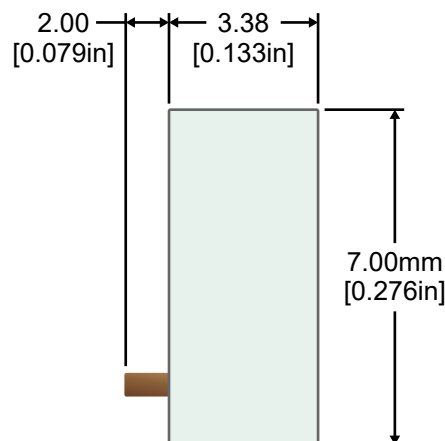


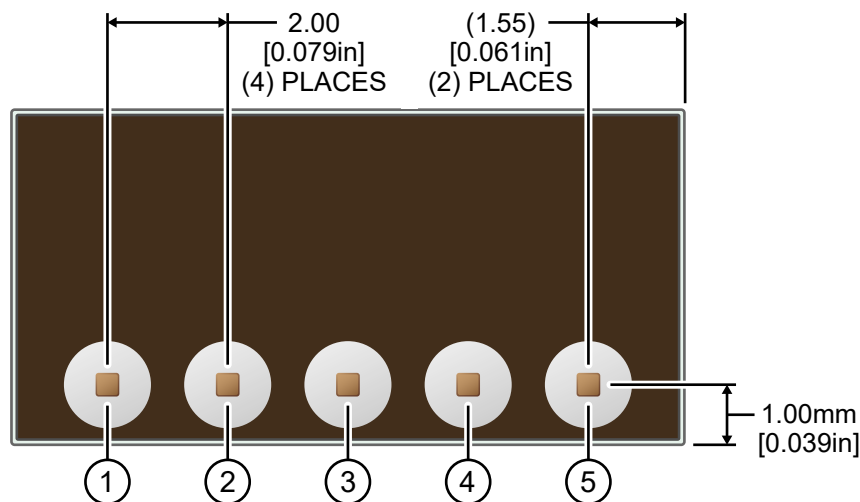
ISO VIEW



FRONT VIEW  
LED DISPLAY



SIDE VIEW



REAR VIEW  
PIN LOCATIONS

SEGMENT-TO-PIN MATRIX

SEGMENT	PINS	
	-	+
- NC -	1	2
A	2	3
B	2	4
C	3	4
D	3	1
E	4	3
F	2	1
G	4	1
H	3	2
I	4	2
J	4	5
K	5	2
L	5	4
M	5	1
N	2	5
O	3	5
P	5	3
Q	1	3
R	1	5
S	1	4

NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED

# 19-SEGMENT LED DISPLAY MODULE W/ PERCENT

FROM 'ECHO' BRAND DISPOSABLE VAPE UNITS

NOT TO SCALE | DRAWN DATE: 05/29/2024 | DRAWN BY: BEN WARD | EMAIL: JBENWARD@GMAIL.COM

# SEGMENT ILLUMINATION SEQUENCE FOR NUMBERS 199 - 100

DISP	100s	10s	1s	COMPLETE SEQUENCE
199	A B	C D E F _ H I	J K L M _ O P	ABCDEFHIJKLMOP
198	A B	C D E F _ H I	J K L M N O P	ABCDEFHIJKLMNOP
197	A B	C D E F _ H I	J _ L _ _ O _	ABCDEFHIJLO
196	A B	C D E F _ H I	_ K _ M N O P	ABCDEFHIKMNOP
195	A B	C D E F _ H I	J K _ M _ O P	ABCDEFHIJKMOP
194	A B	C D E F _ H I	_ K L M _ O _	ABCDEFHIKLMO
193	A B	C D E F _ H I	J _ L M _ O P	ABCDEFHIJLMOP
192	A B	C D E F _ H I	J _ L M N _ P	ABCDEFHIJLMNP
191	A B	C D E F _ H I	_ _ L _ _ O _	ABCDEFHILO
190	A B	C D E F _ H I	J K L _ N O P	ABCDEFHIJKLNOP
189	A B	C D E F G H I	J K L M _ O P	ABCDEFGHIJKLMOP
188	A B	C D E F G H I	J K L M N O P	ABCDEFGHIJKLMNOP
187	A B	C D E F G H I	J _ L _ _ O _	ABCDEFGHIJLO
186	A B	C D E F G H I	_ K _ M N O P	ABCDEFGHIKMNOP
185	A B	C D E F G H I	J K _ M _ O P	ABCDEFGHIJKMOP
184	A B	C D E F G H I	_ K L M _ O _	ABCDEFGHIKLMO
183	A B	C D E F G H I	J _ L M _ O P	ABCDEFGHIJLMOP
182	A B	C D E F G H I	J _ L M N _ P	ABCDEFGHIJLMNP
181	A B	C D E F G H I	_ _ L _ _ O _	ABCDEFGHILO
180	A B	C D E F G H I	J K L _ N O P	ABCDEFGHIJKLNOP
179	A B	C _ E _ _ H _	J K L M _ O P	ABCEHJKLMOP
178	A B	C _ E _ _ H _	J K L M N O P	ABCEHJKLMNOP
177	A B	C _ E _ _ H _	J _ L _ _ O _	ABCEHJLO
176	A B	C _ E _ _ H _	_ K _ M N O P	ABCEHKMNOP
175	A B	C _ E _ _ H _	J K _ M _ O P	ABCEHJKMOP
174	A B	C _ E _ _ H _	_ K L M _ O _	ABCEHKLMO
173	A B	C _ E _ _ H _	J _ L M _ O P	ABCEHJLMOP
172	A B	C _ E _ _ H _	J _ L M N _ P	ABCEHJLMNP
171	A B	C _ E _ _ H _	_ _ L _ _ O _	ABCEHLO
170	A B	C _ E _ _ H _	J K L _ N O P	ABCEHJKLNOP
169	A B	_ D _ F G H I	J K L M _ O P	ABDFGHIJKLMOP
168	A B	_ D _ F G H I	J K L M N O P	ABDFGHIJKLMNOP
167	A B	_ D _ F G H I	J _ L _ _ O _	ABDFGHIJLO
166	A B	_ D _ F G H I	_ K _ M N O P	ABDFGHIKMNOP
165	A B	_ D _ F G H I	J K _ M _ O P	ABDFGHIJKMOP
164	A B	_ D _ F G H I	_ K L M _ O _	ABDFGHIKLMO
163	A B	_ D _ F G H I	J _ L M _ O P	ABDFGHIJLMOP
162	A B	_ D _ F G H I	J _ L M N _ P	ABDFGHIJLMNP
161	A B	_ D _ F G H I	_ _ L _ _ O _	ABDFGHILO
160	A B	_ D _ F G H I	J K L _ N O P	ABDFGHIJKLNOP
159	A B	C D _ F _ H I	J K L M _ O P	ABCDFHIJKLMOP
158	A B	C D _ F _ H I	J K L M N O P	ABCDFHIJKLMNOP
157	A B	C D _ F _ H I	J _ L _ _ O _	ABCDFHIJLO
156	A B	C D _ F _ H I	_ K _ M N O P	ABCDFHIKMNOP
155	A B	C D _ F _ H I	J K _ M _ O P	ABCDFHIJKMOP
154	A B	C D _ F _ H I	_ K L M _ O _	ABCDFHIKLMO
153	A B	C D _ F _ H I	J _ L M _ O P	ABCDFHIJLMOP
152	A B	C D _ F _ H I	J _ L M N _ P	ABCDFHIJLMNP
151	A B	C D _ F _ H I	_ _ L _ _ O _	ABCDFHILO
150	A B	C D _ F _ H I	J K L _ N O P	ABCDFHIJKLNOP

DISP	100s	10s	1s	COMPLETE SEQUENCE
149	A B	_ D E F _ H _	J K L M _ O P	ABDEFHJKLMOP
148	A B	_ D E F _ H _	J K L M N O P	ABDEFHJKLMNOP
147	A B	_ D E F _ H _	J _ L _ _ O _	ABDEFHJLO
146	A B	_ D E F _ H _	_ K _ M N O P	ABDEFHKMNOP
145	A B	_ D E F _ H _	J K _ M _ O P	ABDEFHJKMOP
144	A B	_ D E F _ H _	_ K L M _ O _	ABDEFHKLMO
143	A B	_ D E F _ H _	J _ L M _ O P	ABDEFHJLMOP
142	A B	_ D E F _ H _	J _ L M N _ P	ABDEFHJLMNP
141	A B	_ D E F _ H _	_ _ L _ _ O _	ABDEFHLO
140	A B	_ D E F _ H _	J K L _ N O P	ABDEFHJKLNOP
139	A B	C _ E F _ H I	J K L M _ O P	ABCEFHJKLMOP
138	A B	C _ E F _ H I	J K L M N O P	ABCEFHJKLMNOP
137	A B	C _ E F _ H I	J _ L _ _ O _	ABCEFHJLO
136	A B	C _ E F _ H I	_ K _ M N O P	ABCEFHKMNOP
135	A B	C _ E F _ H I	J K _ M _ O P	ABCEFHJKMOP
134	A B	C _ E F _ H I	_ K L M _ O _	ABCEFHKLMO
133	A B	C _ E F _ H I	J _ L M _ O P	ABCEFHJLMOP
132	A B	C _ E F _ H I	J _ L M N _ P	ABCEFHJLMNP
131	A B	C _ E F _ H I	_ _ L _ _ O _	ABCEFHILO
130	A B	C _ E F _ H I	J K L _ N O P	ABCEFHJKLNOP
129	A B	C _ E F G _ I	J K L M _ O P	ABCEFGIJKLMOP
128	A B	C _ E F G _ I	J K L M N O P	ABCEFGIJKLMNOP
127	A B	C _ E F G _ I	J _ L _ _ O _	ABCEFGIJLO
126	A B	C _ E F G _ I	_ K _ M N O P	ABCEFGIKMNOP
125	A B	C _ E F G _ I	J K _ M _ O P	ABCEFGIJKMOP
124	A B	C _ E F G _ I	_ K L M _ O _	ABCEFGIKLMO
123	A B	C _ E F G _ I	J _ L M _ O P	ABCEFGIJLMOP
122	A B	C _ E F G _ I	J _ L M N _ P	ABCEFGIJLMNP
121	A B	C _ E F G _ I	_ _ L _ _ O _	ABCEFGILO
120	A B	C _ E F G _ I	J K L _ N O P	ABCEFGIJKLNOP
119	A B	_ _ E _ _ H _	J K L M _ O P	ABEHJKLMOP
118	A B	_ _ E _ _ H _	J K L M N O P	ABEHJKLMNOP
117	A B	_ _ E _ _ H _	J _ L _ _ O _	ABEHJLO
116	A B	_ _ E _ _ H _	_ K _ M N O P	ABEHKMNOP
115	A B	_ _ E _ _ H _	J K _ M _ O P	ABEHJKMOP
114	A B	_ _ E _ _ H _	_ K L M _ O _	ABEHKLMO
113	A B	_ _ E _ _ H _	J _ L M _ O P	ABEHJLMOP
112	A B	_ _ E _ _ H _	J _ L M N _ P	ABEHJLMNP
111	A B	_ _ E _ _ H _	_ _ L _ _ O _	ABEHLO
110	A B	_ _ E _ _ H _	J K L _ N O P	ABEHJKLNOP
109	A B	C D E _ G H I	J K L M _ O P	ABCDEGHIJKLMOP
108	A B	C D E _ G H I	J K L M N O P	ABCDEGHIJKLMNOP
107	A B	C D E _ G H I	J _ L _ _ O _	ABCDEGHIJLO
106	A B	C D E _ G H I	_ K _ M N O P	ABCDEGHIKMNOP
105	A B	C D E _ G H I	J K _ M _ O P	ABCDEGHIJKMOP
104	A B	C D E _ G H I	_ K L M _ O _	ABCDEGHIKLMO
103	A B	C D E _ G H I	J _ L M _ O P	ABCDEGHIJLMOP
102	A B	C D E _ G H I	J _ L M N _ P	ABCDEGHIJLMNP
101	A B	C D E _ G H I	_ _ L _ _ O _	ABCDEGHILO
100	A B	C D E _ G H I	J K L _ N O P	ABCDEGHIJKLNOP

## 19-SEGMENT LED DISPLAY MODULE W/ PERCENT

FROM 'ECHO' BRAND DISPOSABLE VAPE UNITS

NOT TO SCALE

DRAWN BY: BEN WARD

EMAIL: JBENWARD@GMAIL.COM

DRAWN DATE: 05/29/2024



SEGMENT ILLUMINATION SEQUENCE FOR NUMBERS 99 - 0

DISP	100s	10s	1s	COMPLETE SEQUENCE
99		C D E F _ H I	J K L M _ O P	CDEFHIJKLMOP
98		C D E F _ H I	J K L M N O P	CDEFHIJKLMNOP
97		C D E F _ H I	J _ L _ _ O _	CDEFHIJLO
96		C D E F _ H I	_ K _ M N O P	CDEFHIKMNOP
95		C D E F _ H I	J K _ M _ O P	CDEFHIJKMOP
94		C D E F _ H I	_ K L M _ O _	CDEFHIKLMO
93		C D E F _ H I	J _ L M _ O P	CDEFHIJLMOP
92		C D E F _ H I	J _ L M N _ P	CDEFHIJLMNP
91		C D E F _ H I	_ _ L _ _ O _	CDEFHILO
90		C D E F _ H I	J K L _ N O P	CDEFHIJKLNOP
89		C D E F G H I	J K L M _ O P	CDEFGHIJKLMOP
88		C D E F G H I	J K L M N O P	CDEFGHIJKLMNOP
87		C D E F G H I	J _ L _ _ O _	CDEFGHIJLO
86		C D E F G H I	_ K _ M N O P	CDEFGHIKMNOP
85		C D E F G H I	J K _ M _ O P	CDEFGHIJKMOP
84		C D E F G H I	_ K L M _ O _	CDEFGHIKLMO
83		C D E F G H I	J _ L M _ O P	CDEFGHIJLMOP
82		C D E F G H I	J _ L M N _ P	CDEFGHIJLMNP
81		C D E F G H I	_ _ L _ _ O _	CDEFGHILO
80		C D E F G H I	J K L _ N O P	CDEFGHIJKLNOP
79		C _ E _ _ H _	J K L M _ O P	CEHJKLMOP
78		C _ E _ _ H _	J K L M N O P	CEHJKLMNOP
77		C _ E _ _ H _	J _ L _ _ O _	CEHJLO
76		C _ E _ _ H _	_ K _ M N O P	CEHKMNOP
75		C _ E _ _ H _	J K _ M _ O P	CEHJKMOP
74		C _ E _ _ H _	_ K L M _ O _	CEHKLMO
73		C _ E _ _ H _	J _ L M _ O P	CEHJLMOP
72		C _ E _ _ H _	J _ L M N _ P	CEHJLMNP
71		C _ E _ _ H _	_ _ L _ _ O _	CEHLO
70		C _ E _ _ H _	J K L _ N O P	CEHJKLNOP
69		_ D _ F G H I	J K L M _ O P	DFGHIJKLMOP
68		_ D _ F G H I	J K L M N O P	DFGHIJKLMNOP
67		_ D _ F G H I	J _ L _ _ O _	DFGHIJLO
66		_ D _ F G H I	_ K _ M N O P	DFGHIKMNOP
65		_ D _ F G H I	J K _ M _ O P	DFGHIJKMOP
64		_ D _ F G H I	_ K L M _ O _	DFGHIKLMO
63		_ D _ F G H I	J _ L M _ O P	DFGHIJLMOP
62		_ D _ F G H I	J _ L M N _ P	DFGHIJLMNP
61		_ D _ F G H I	_ _ L _ _ O _	DFGHILO
60		_ D _ F G H I	J K L _ N O P	DFGHIJKLNOP
59		C D _ F _ H I	J K L M _ O P	CDFHIJKLMOP
58		C D _ F _ H I	J K L M N O P	CDFHIJKLMNOP
57		C D _ F _ H I	J _ L _ _ O _	CDFHIJLO
56		C D _ F _ H I	_ K _ M N O P	CDFHIKMNOP
55		C D _ F _ H I	J K _ M _ O P	CDFHIJKMOP
54		C D _ F _ H I	_ K L M _ O _	CDFHIKLMO
53		C D _ F _ H I	J _ L M _ O P	CDFHIJLMOP
52		C D _ F _ H I	J _ L M N _ P	CDFHIJLMNP
51		C D _ F _ H I	_ _ L _ _ O _	CDFHILO
50		C D _ F _ H I	J K L _ N O P	CDFHIJKLNOP
49		_ D E F _ H _	J K L M _ O P	DEFHJKLMOP
48		_ D E F _ H _	J K L M N O P	DEFHJKLMNOP
47		_ D E F _ H _	J _ L _ _ O _	DEFHJLO
46		_ D E F _ H _	_ K _ M N O P	DEFHKMNOP
45		_ D E F _ H _	J K _ M _ O P	DEFHJKMOP

DISP	100s	10s	1s	COMPLETE SEQUENCE
44		_ D E F _ H _	_ K L M _ O _	DEFHKLMO
43		_ D E F _ H _	J _ L M _ O P	DEFHJLMOP
42		_ D E F _ H _	J _ L M N _ P	DEFHJLMNP
41		_ D E F _ H _	_ _ L _ _ O _	DEFHLO
40		_ D E F _ H _	J K L _ N O P	DEFHJKLNOP
39		C _ E F _ H I	J K L M _ O P	CEFHIJKLMOP
38		C _ E F _ H I	J K L M N O P	CEFHIJKLMNOP
37		C _ E F _ H I	J _ L _ _ O _	CEFHJLO
36		C _ E F _ H I	_ K _ M N O P	CEFHKMNOP
35		C _ E F _ H I	J K _ M _ O P	CEFHJKMOP
34		C _ E F _ H I	_ K L M _ O _	CEFHKLMO
33		C _ E F _ H I	J _ L M _ O P	CEFHJLMOP
32		C _ E F _ H I	J _ L M N _ P	CEFHJLMNP
31		C _ E F _ H I	_ _ L _ _ O _	CEFHLO
30		C _ E F _ H I	J K L _ N O P	CEFHJKLNOP
29		C _ E F G _ I	J K L M _ O P	CEFGIJKLMOP
28		C _ E F G _ I	J K L M N O P	CEFGIJKLMNOP
27		C _ E F G _ I	J _ L _ _ O _	CEFGIJLO
26		C _ E F G _ I	_ K _ M N O P	CEFGIKMNOP
25		C _ E F G _ I	J K _ M _ O P	CEFGIJKMOP
24		C _ E F G _ I	_ K L M _ O _	CEFGIKLMO
23		C _ E F G _ I	J _ L M _ O P	CEFGIJLMOP
22		C _ E F G _ I	J _ L M N _ P	CEFGIJLMNP
21		C _ E F G _ I	_ _ L _ _ O _	CEFGILO
20		C _ E F G _ I	J K L _ N O P	CEFGIJKLNOP
19		_ _ E _ _ H _	J K L M _ O P	EHJKLMOP
18		_ _ E _ _ H _	J K L M N O P	EHJKLMNOP
17		_ _ E _ _ H _	J _ L _ _ O _	EHJLO
16		_ _ E _ _ H _	_ K _ M N O P	EHKMNOP
15		_ _ E _ _ H _	J K _ M _ O P	EHJKMOP
14		_ _ E _ _ H _	_ K L M _ O _	EHKLMO
13		_ _ E _ _ H _	J _ L M _ O P	EHJLMOP
12		_ _ E _ _ H _	J _ L M N _ P	EHJLMNP
11		_ _ E _ _ H _	_ _ L _ _ O _	EHLO
10		_ _ E _ _ H _	J K L _ N O P	EHJKLNOP
09		C D E _ G H I	J K L M _ O P	CDEGHIJKLMOP
08		C D E _ G H I	J K L M N O P	CDEGHIJKLMNOP
07		C D E _ G H I	J _ L _ _ O _	CDEGHIJLO
06		C D E _ G H I	_ K _ M N O P	CDEGHIKMNOP
05		C D E _ G H I	J K _ M _ O P	CDEGHIJKMOP
04		C D E _ G H I	_ K L M _ O _	CDEGHIKLMO
03		C D E _ G H I	J _ L M _ O P	CDEGHIJLMOP
02		C D E _ G H I	J _ L M N _ P	CDEGHIJLMNP
01		C D E _ G H I	_ _ L _ _ O _	CDEGHILO
00		C D E _ G H I	J K L _ N O P	CDEGHIJKLNOP
9		_ _ _ _ _ _ _	J K L M _ O P	JKLMOP
8		_ _ _ _ _ _ _	J K L M N O P	JKLMNOP
7		_ _ _ _ _ _ _	J _ L _ _ O _	JLO
6		_ _ _ _ _ _ _	_ K _ M N O P	KMNOP
5		_ _ _ _ _ _ _	J K _ M _ O P	JKMOP
4		_ _ _ _ _ _ _	_ K L M _ O _	KLMO
3		_ _ _ _ _ _ _	J _ L M _ O P	JLMOP
2		_ _ _ _ _ _ _	J _ L M N _ P	JLMNP
1		_ _ _ _ _ _ _	_ _ L _ _ O _	LO
0		_ _ _ _ _ _ _	J K L _ N O P	JKLNOP