

7 SEGMENT DISPLAY

Nandeesh Swamy

Centre of Innovation and Entrepreneurship

SEVEN-SEGMENT DISPLAY



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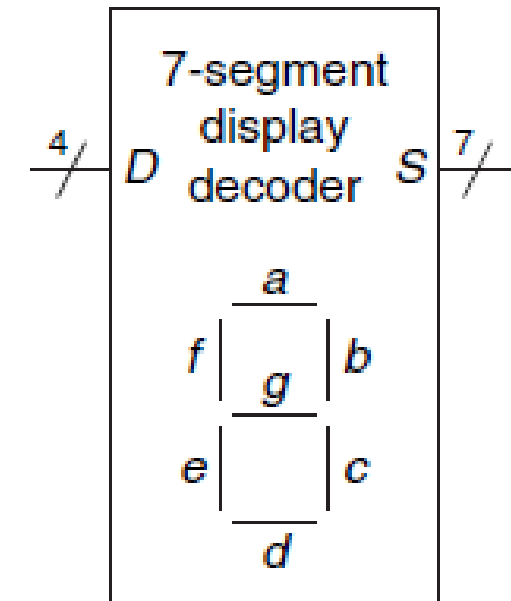
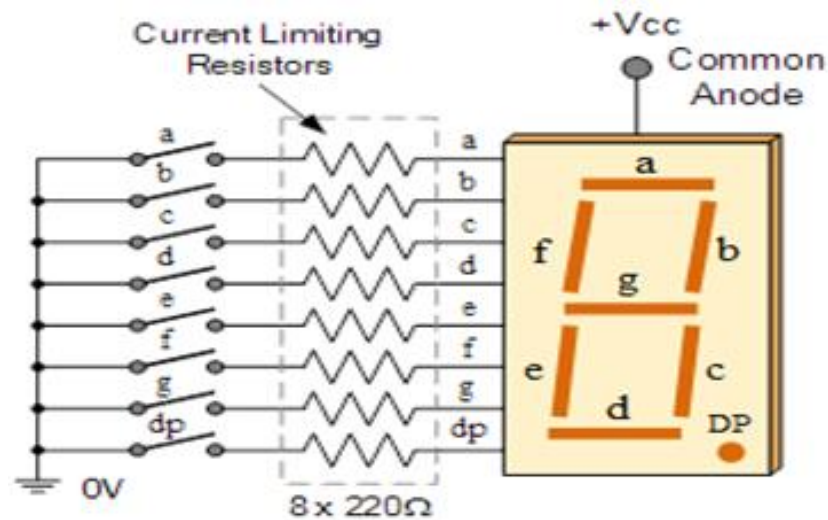
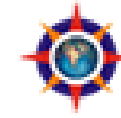


Figure Seven-segment display decoder icon

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- **Introduction :**

A seven-segment display is a form of electronic display device for displaying decimal numerals that is an alternative to the more complex dot matrix displays.

Seven-segment displays are widely used in digital clocks, electronic meters, basic calculators, and other electronic devices that display numerical information.

SEVEN-SEGMENT DISPLAY



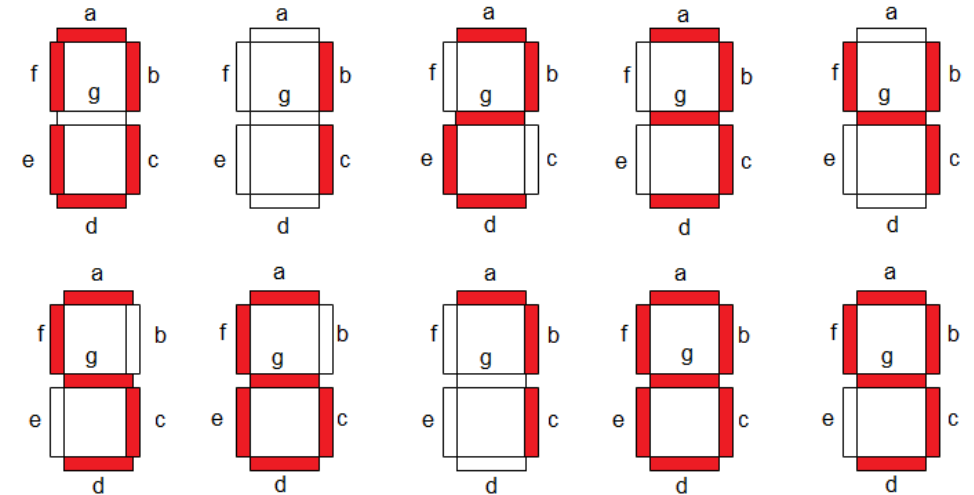
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Table Seven-segment display decoder truth table

$D_{3:0}$	S_a	S_b	S_c	S_d	S_e	S_f	S_g
0000	1	1	1	1	1	1	0
0001	0	1	1	0	0	0	0
0010	1	1	0	1	1	0	1
0011	1	1	1	1	0	0	1
0100	0	1	1	0	0	1	1
0101	1	0	1	1	0	1	1
0110	1	0	1	1	1	1	1
0111	1	1	1	0	0	0	0
1000	1	1	1	1	1	1	1
1001	1	1	1	0	0	1	1
others	0	0	0	0	0	0	0





THANK YOU

Nandeesh Swamy

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