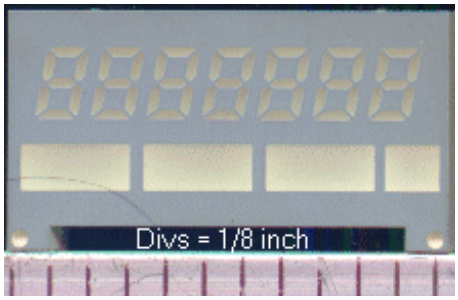
Miniature Multiplex LED Display Data



The LED Display will fit either way round, either with the bargraph above or below the Digital display.

It has 7 individual, non-multiplexed LEDs, and a common cathode 7 character multiplexed display. Maximum current per segment appears to be in the vicinity of 12mA but I hav'nt tested one to destruction so be aware that damage could be caused by excess current and you should satisfy yourself that you are not stressing it. There are two pinouts depending on its orientation, below are the pinouts for both. I hope its obvious which is which, TOP indicates the bargraph is at the TOP (easy eh?). I have used the standard IC numbering system, where pin one is on the lower left when viewed from the display side. NUM1 is the MSB common cathode NUM7 is the LSB common cathode. SEGa to SEGg are the common segments of the numerical display, D1 is always the leftmost LED.

BarGraph on Bottom

PIN	FUNC	PIN	FUNC
1	D1k	15	SEGd
2	D1a	16	SEGe
3	D2k	17	NUM7 (lsb)
4	D2a	18	SEGf
5	D3k	19	NUM6
6	D3a	20	SEGb
7	D4k	21	NUM5
8	D4a	22	NUM4
9	D5k	23	NUM3
10	D5a	24	SEGa
11	D6k	25	NUM2
12	D6a	26	SEGg
13	D7k	27	NUM1 (msb)
14	D7a	28	SEGc

BarGraph on TOP

PIN	FUNC	PIN	FUNC
1	SEGa	15	D7k
2	SEGb	16	D7a
3	NUM1 (msb)	17	D6k
4	SEGc	18	D6a
5	NUM2	19	D5k
6	SEGe	20	D5a
7	NUM3	21	D4k
8	NUM4	22	D4a
9	NUM5	23	D3k
10	SEGd	24	D3a

11	NUM6	25	D2k
12	SEGg	26	D2a
13	NUM7 (lsb)	27	D1k
14	SEGf	28	D1a