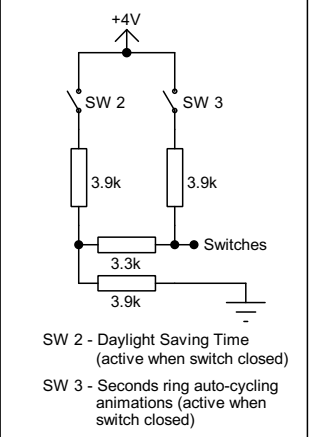
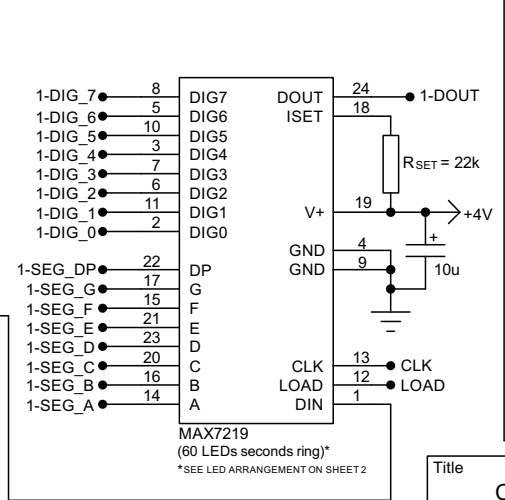
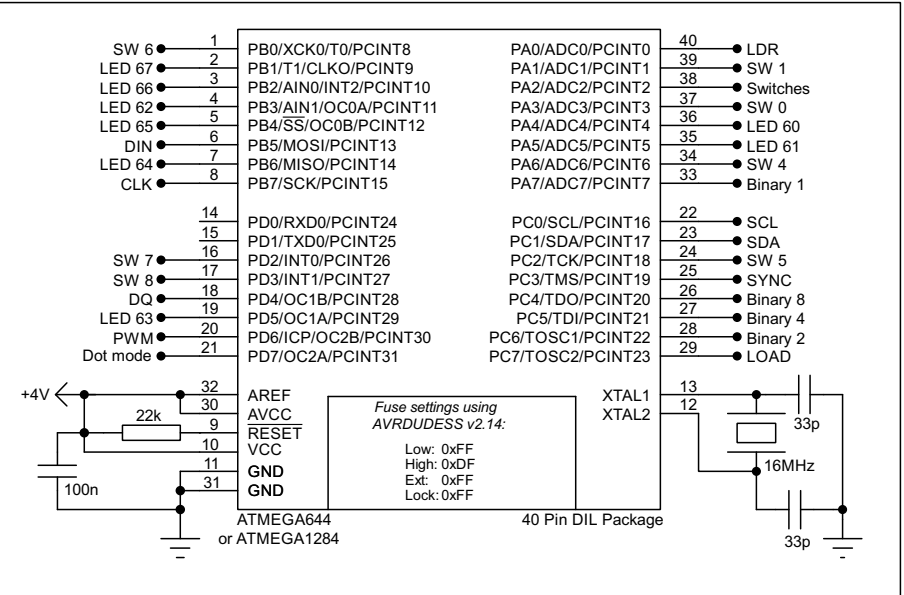
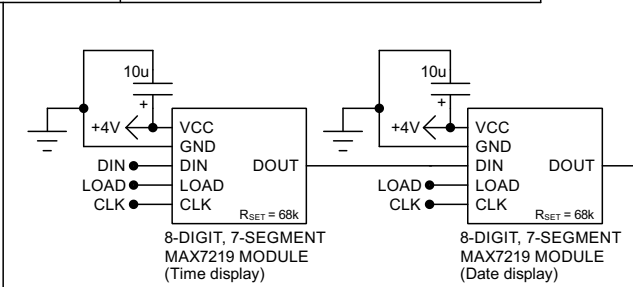
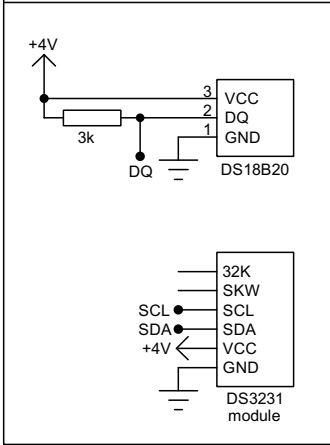
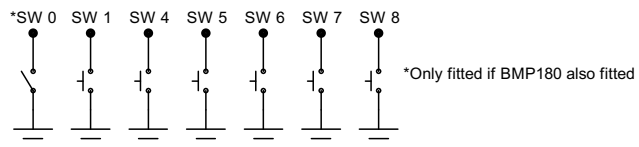


* $V_{GS(th)} < 3.0V$
 $R_{DS(on)} < 1.0R$
 $I_D > 0.5A$

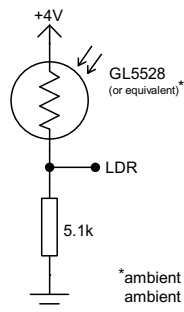


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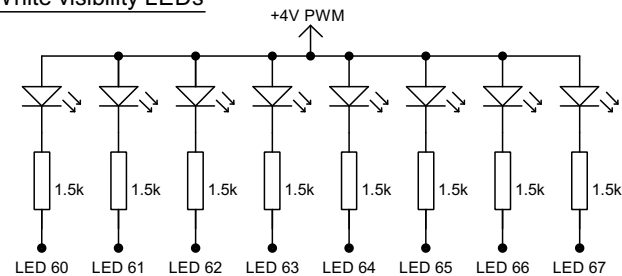
*Only fitted if BMP180 also fitted

- *SW 0 - Choose pressure or next meteor info (pressure displayed when switch closed)
- SW 1 - Navigate through menu (active when button pressed)
- SW 4 - Increase time/date value (active when button pressed)
- SW 5 - Decrease time/date value (active when button pressed)
- SW 6 - Enter menu (active when button pressed)
- SW 7 - Cycle through seconds ring animation modes (active when button pressed)
- SW 8 - Cycle through time display modes (active when button pressed)



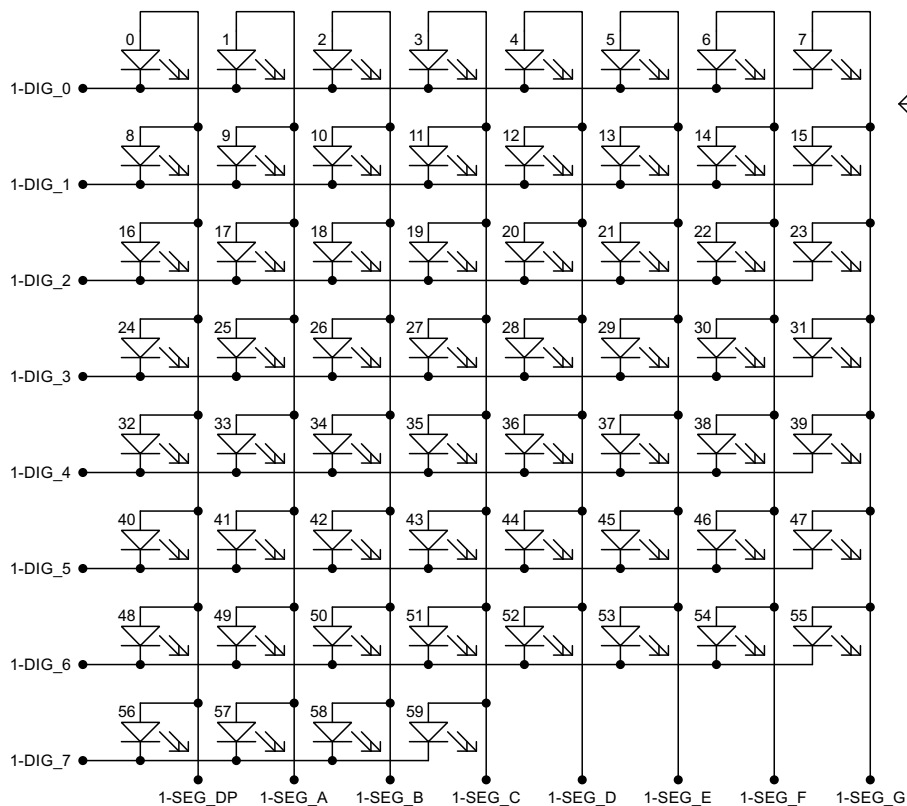
* ambient light very bright < 1k
ambient light very dark > 1M

White visibility LEDs



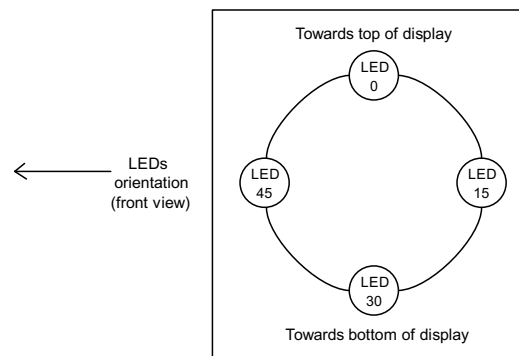
- LED 60 - Saturn visible when LED lit
- LED 61 - Venus visible when LED lit
- LED 62 - Jupiter visible when LED lit
- LED 63 - Uranus visible when LED lit
- LED 64 - Mercury visible when LED lit
- LED 65 - Neptune visible when LED lit
- LED 66 - Moon visible when LED lit
- LED 67 - Mars visible when LED lit

Yellow seconds ring LEDs

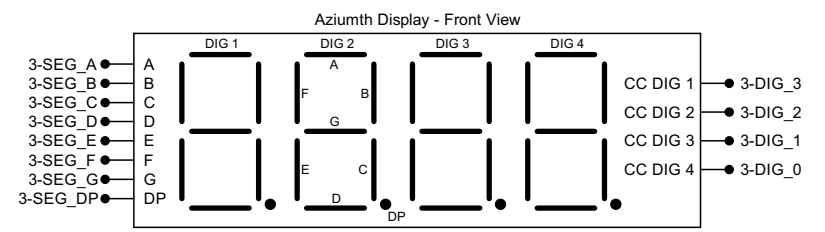
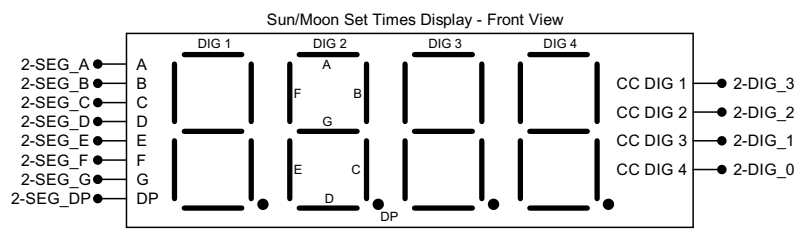
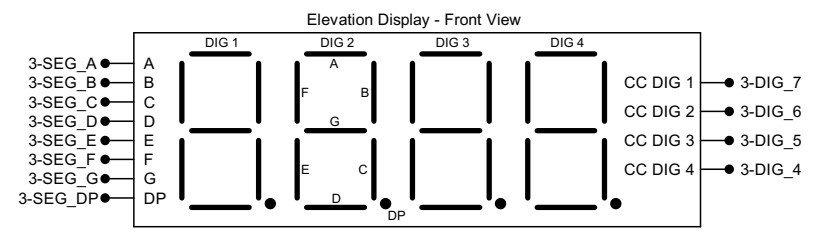
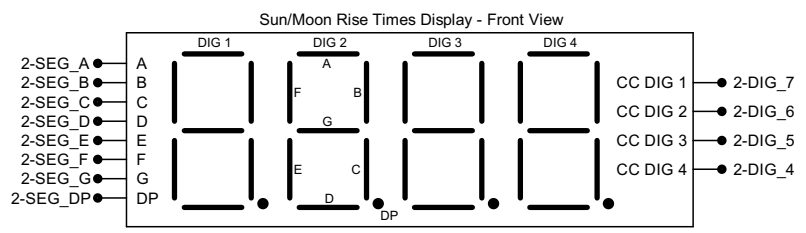
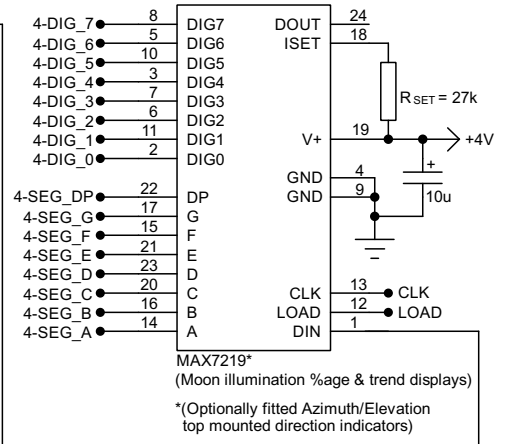
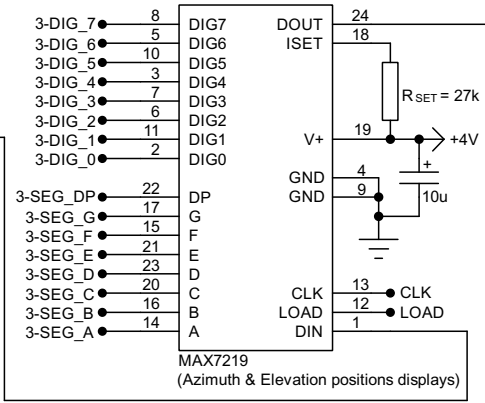
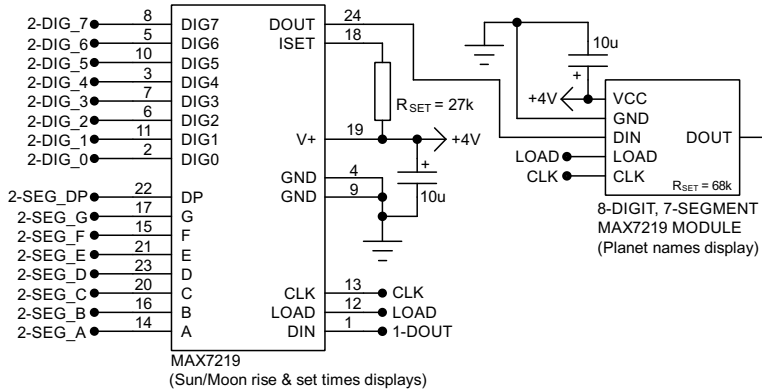


← LED numbering corresponds to actual seconds LED

Eg. LED 0 is the zero seconds LED positioned at the 12 o'clock position of the LED ring
LED 15 is the fifteen seconds LED positioned at the 3 o'clock position of the LED ring

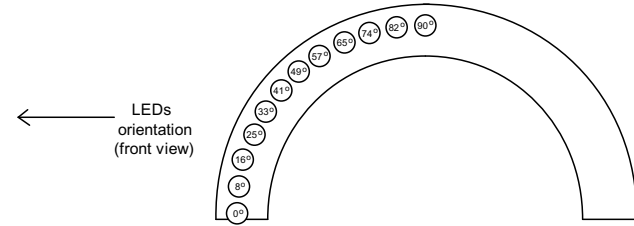
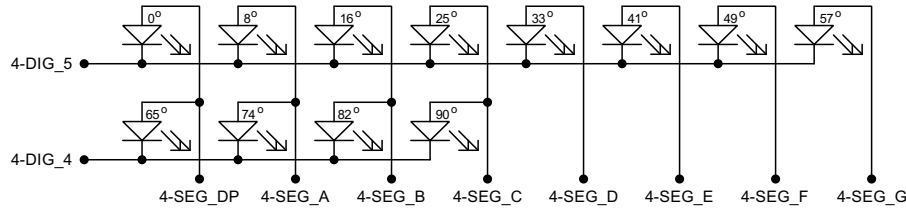


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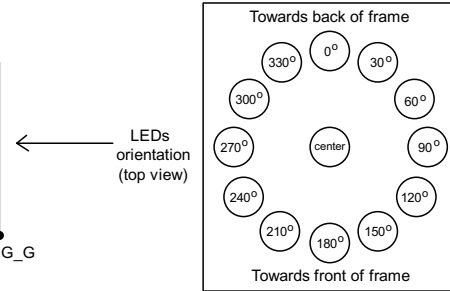
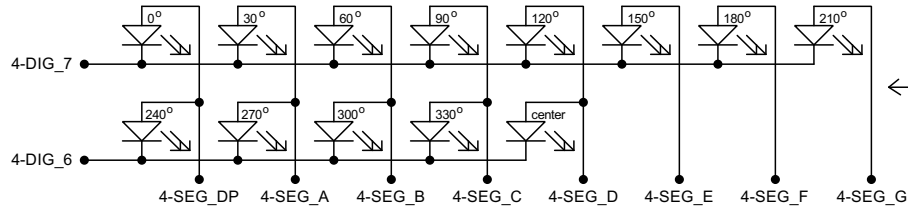


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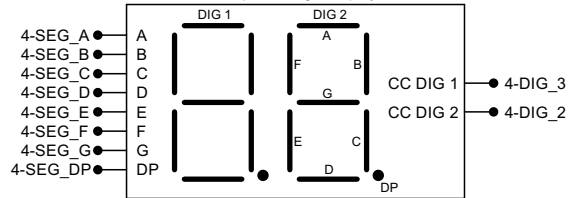
***Optional top mounted elevation indicator using red LEDs**



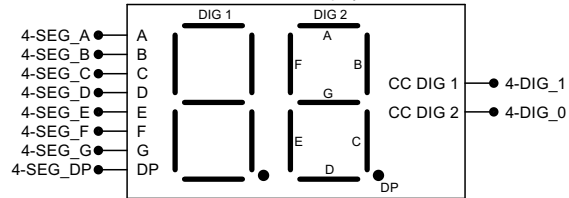
***Optional top mounted azimuth indicator using yellow LEDs**



Moon illumination percentage Display - Front View

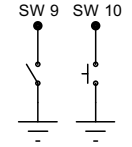
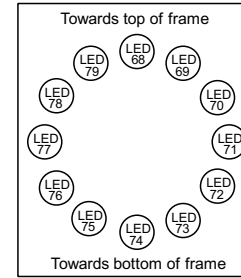
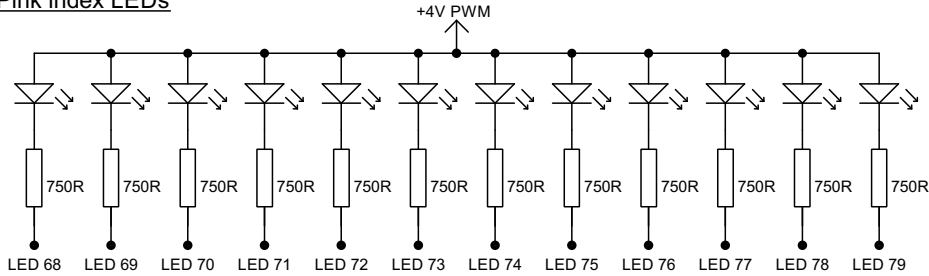


Moon illumination trend Display - Front View



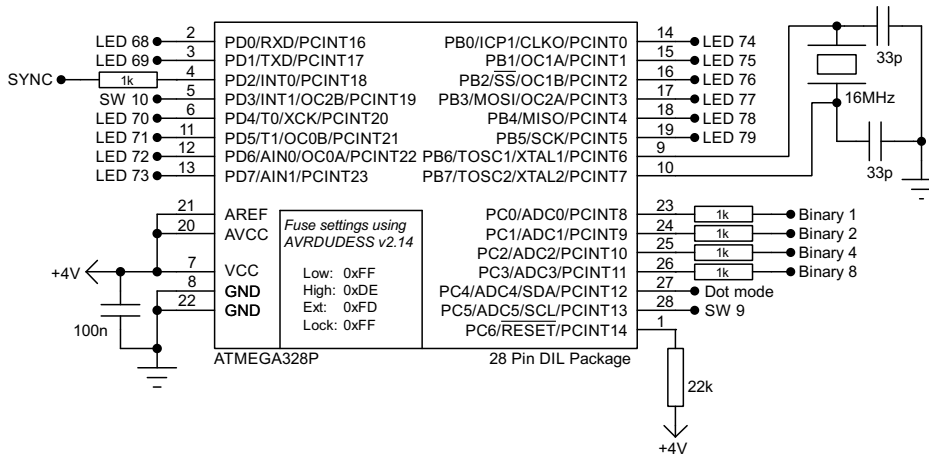
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Pink index LEDs



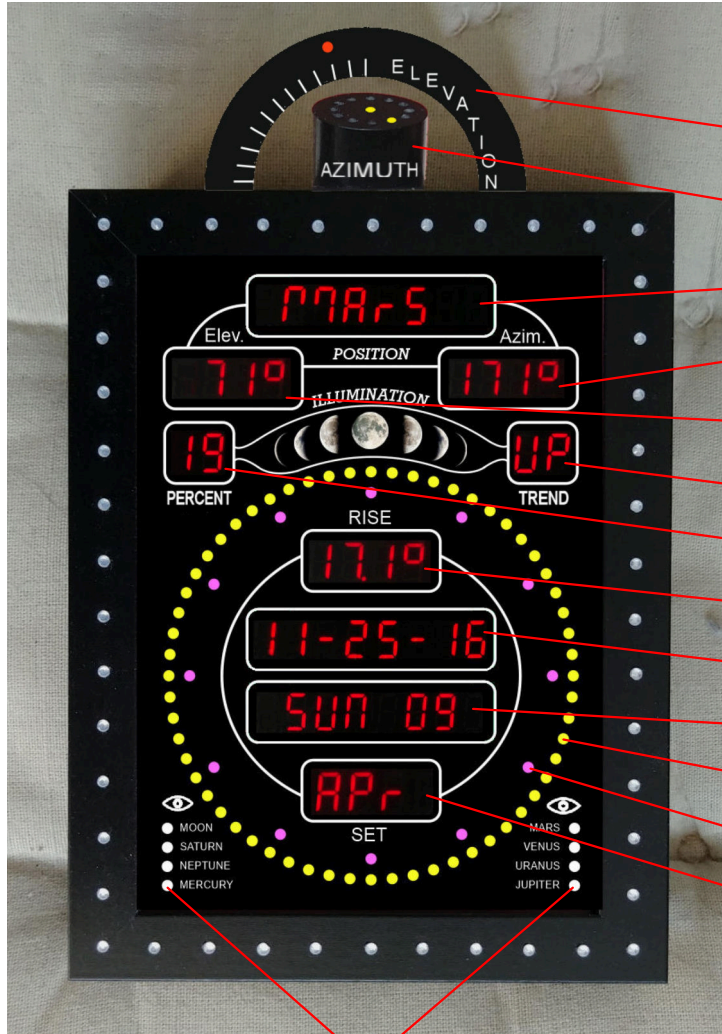
SW 9 - Index LEDs auto-cycling animations (active when switch closed)

SW 10 - Cycle through Index LEDs animation modes (active when button pressed)



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Location Guide



Optional top mounted elevation indicator

Optional top mounted azimuth indicator

Planet names display

Azimuth display

Elevation display

Moon illumination trend display

Moon illumination percentage display

Sun/Moon rise times display

Time display

Date display

Seconds ring LEDs

Index LEDs

Sun/Moon set times display

Visibility LEDs

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