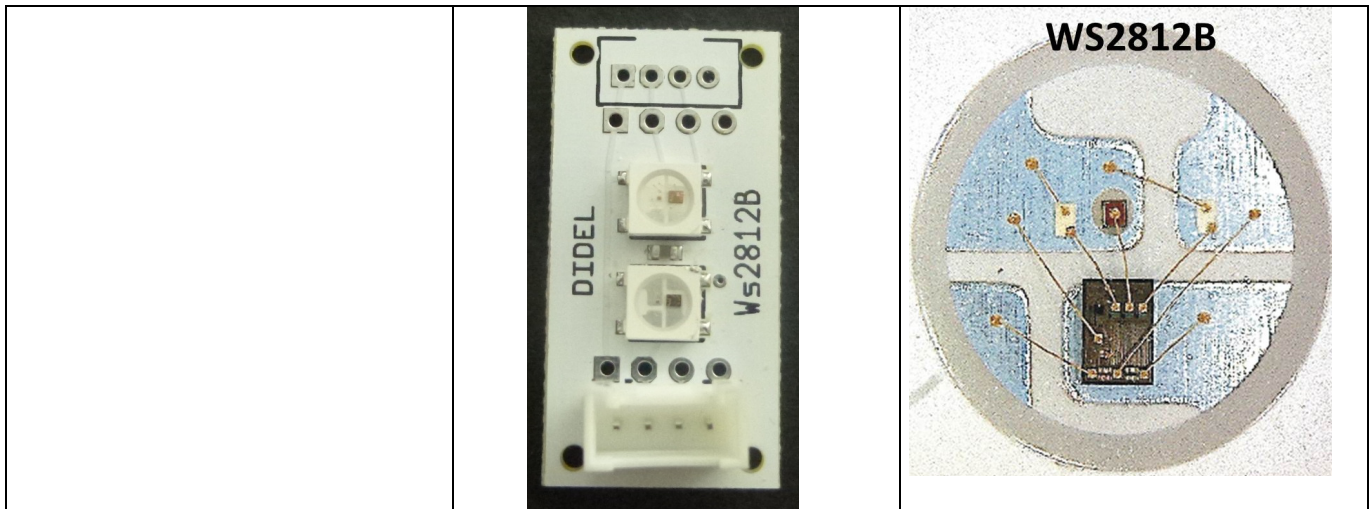


DgWS2812B



The WS2812B is sold by Boxtec (part [67019], 0.55CHF/p). It is an incredible 4-pin circuit with 3 8-bit PWM channels inside. With 1 input (the output transfer the data to the next chip) it uses a time encoded scheme with unhappily timing constraints (1us/0.25us) difficult to respect with an Arduino at 16 MHz. Assembly code must be used. Details are given on <https://learn.sparkfun.com/tutorials/ws2812-breakout-hookup-guide/ws2812-overview>

See also

http://cdn2.boxtec.ch/pub/diverse/WS2812_vs_WS2812B.pdf

We have been working on a more compact lib:

<https://github.com/nicoud/RGBstrips>

The DgWS2812B PCB sports 2 circuits in order to get familiar with the software, or for checking the software of a long strip.

The WS2813B has 2 more pins to skip a defective Led. See Boxtec for chips.

We do provide a multi-applications strip for WS2813B, see

<http://cdn2.boxtec.ch/pub/didel/WS2813MiniStrip.pdf>



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