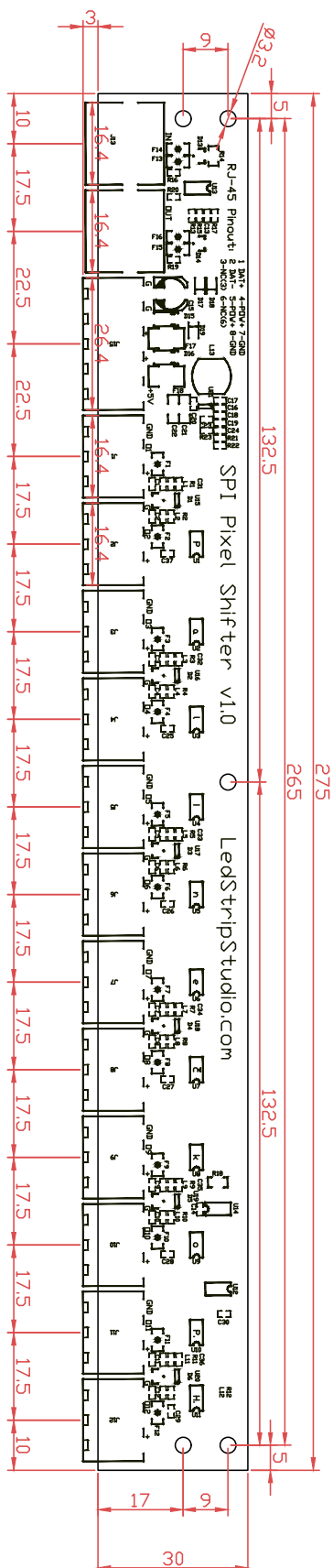


SPI Pixel Shifter



Technical specification

Operating voltage	8-24V or 5V DC (user selectable by simple wire connection)
Power consumption	<2W
Max. total pass thru current	8A
Power in connector	5 pole pluggable terminal block pitch 5mm
DATA In type	differential 800kHz SPI (WS2811, WS2812B, SK6812, TM1809....)
DATA In connector	RJ-45 shielded
DATA Out type	differential 800kHz SPI (WS2811, WS2812B, SK6812, TM1809....)
DATA Out connector	RJ-45 shielded
DATA I/O max. cable length	305m with Cat5e or better
Maximum controller count	85pcs in daisy chained string
LED output count	12
LED output type	5V TTL single ended
LED output color type	3x8bit (e.g. RGB)
LED output connector	3 pole pluggable terminal block pitch 5mm
Status LEDs	2x POWER LED, 1st pixel status, 12th pixel status
Dimensions	275x30x22 mm
PCB Weight	135 g
Enclosure	no, PCB only, 5x mounting hole diameter 3.2mm
Special features	-can be powered by RJ-45 passive POE (POE power is not connected to LED outputs)



Board Dimensions