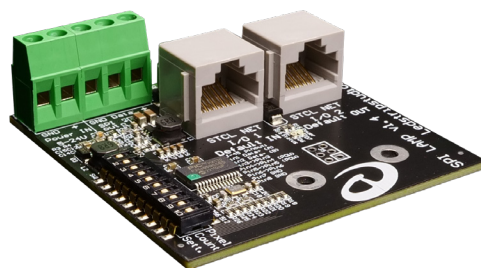


SPI LAMP

Signal splitter for RGB/RGBW/WWA SPI LED strips/pixels

Applications

- General illumination
- Decoration illumination
- Events, lounges, clubs
- Scenography
- Theatre
- Light show
- Special effects
- Showcase



Technical specification

Controls over	LSS strip protocol
Operating voltage	5-24V DC
Self power consumption	1W
Power input connector	2 pole screw terminal block pitch 5mm for wires <2.5mm²
Max. total pass thru current	5A
LSS strip protocol Input port connector type	RJ-45 non-shielded
LSS strip protocol Input port electrical type	Differential
LSS strip protocol Input port protection	Yes, ESD
LSS strip protocol Input connector pins	Data+ (A), Data- (B), GND
LSS strip protocol Communication protocol	Custom LSS strip protocol. 2.5Mbps
LSS strip protocol Output port connector type	RJ-45 non-shielded
LSS strip protocol Output port electrical type	Differential
LSS strip protocol Output port protection	Yes, ESD
LSS strip protocol Output connector pins	Data+ (A), Data- (B), GND
LSS strip protocol Output communication protocol	Custom LSS strip protocol. 2.5Mbps
SPI LED Output port connector type	3 pole screw terminal block pitch 5mm for wires <2.5mm²
SPI LED Output port electrical type	Single ended TTL 5V asynchronous
SPI LED Output port contain power	Yes
SPI LED Output port protection	No

SPI LED Output connector pins	GND, Data, +POWER
SPI LED Output communication protocol	WS2811, WS2812B, SK6812, TM1809 and compatible RGB/WWA/RGBW... (TM1814 or UCS5603 on request)
LED pixel count setting	10bit DIP switch
Status LEDs	Green: Power, Yellow: status
Maximum controller count	85pcs in one daisy chained string
Maximum cable length for LSS strip protocol	100m with Cat5e or better
Minimum pixel count per SPI LED Output	9
Maximum pixel count per SPI LED Output	1023 RGB / 768 RGBW
Maximum of pixels total	1023 RGB / 768 RGBW in one daisy chained string
Special features/options:	Firmware updateable by user
Works with controller	LEC3 or SPI MATRIX
Operating air temperature	-10°C to 45°C
Storage air temperature	-30°C to 60°C
Relative humidity	5% to 80% non-condensing
Waterproof	No
Ingress protection	IP00
Weight	33g
Dimensions	64 x 64 x 22 mm
Enclosure	no, PCB only, designed to fit into standard plastic electrical surface mounted junction-box 75 x 75 x 40mm or similar/bigger
Mouting options	2x mounting hole diameter 3.2mm

Default package content

- SPI LAMP PCB

Dimensions

