

## 8-Output SPI Signal Amplifier, DC 5V–24V, Multi-IC Compatible

### OVERVIEW

The C-SP3-AM-8 is an 8-channel SPI signal amplifier designed to receive a single SPI input and distribute it across eight independent output groups. It is intended for use with addressable LED strip lighting systems, enabling synchronized multi-zone control and allowing multiple amplifiers to be cascaded in series for large-scale installations.

The unit operates across a wide input voltage range of DC 5V–24V and is compatible with a broad range of addressable LED ICs, including WS2812B, WS2811, SK6812, SK6812-RGBW, SM16703, WS2813, WS2815, CS8812, AL2815, WS2801, APA102, SK9822, UCS1903, LPD6803, and LPD8806. Static power consumption is less than 1W. The amplifier does not regulate output voltage; the supply voltage must match the operating voltage of the connected LED load. Operating temperature range is -20°C to 60°C. Physical dimensions are 15.5 cm × 5.5 cm × 2 cm.

No certifications are confirmed in the available source data. No warranty information is available at this time.

### SPECIFICATIONS

<b>Power</b>	1 W	<b>Operating temp</b>	-20 to 60 °C
<b>Input voltage</b>	DC 5–24V V	<b>Dimensions</b>	15.5 x 5.5 x 2 cm