

# Parts Export

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Total Parts: 1

| Image   | Part Number        | Name   | Category                           | Manufacturer                       | Description   | Specification   | Tags  |
|---|--------------------|--|------------------------------------|------------------------------------|---|---|---|
|  | <b>EMA-00003-B</b> | WS2812B 8-Bit RGB NeoPixel LED Module (8x 5050 LEDs) | EM - Electronic-Electrical Modules | Worldsemi Co., Ltd., Generic / OEM | The WS2812B 8-Bit RGB LED Module features 8 individually addressable 5050 RGB LEDs with integrated driver ICs. It operates on 5V and uses a single-wire communication protocol for precise color and brightness control. Ideal for programmable lighting, animations, IoT devices, and Arduino-based creative projects. | LED Model: WS2812B Package Type: 5050 SMD Number of LEDs: 8 Color Type: Full-Color RGB Bit Depth: 8-bit per channel (24-bit RGB total) Operating Voltage: DC 5V Control Interface: Single Data Line (Serial) Communication Protocol: One-Wire Timing Protocol PCB Color: White Mounting Type: Solderless / Plug-and-Play Length (mm): 105 Width (mm): 10 Height (mm): 6 Weight (g): 8 Shipping Weight: 0.01 kg Shipping Dimensions (L x W x H cm): 12 x 8 x 1 | Arduino Compatible • WS2812B • NeoPixel Module • 8 LED RGB • 5050 SMD • Addressable LED • 5V RGB Strip • Programmable LED |