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DigiKey

Arduino Nano Every Shield

The A18804 is designed to convert audio signals through the MSI MSGEQ7 equalizer chip. An Arduino Nano Every, or any microcontroller, converts this data into Pulse Width Modulation (PWM) signals. PWM signals are fed into the Allegro Micros Systems A80804 linear LED driver with four independent channels to drive the Red, Green, Blue and White (RGBW) LED strings. The A18804 can drive up to 50ft of RGBW LED strings without the need for power injection and simultaneously drive up to 2000 individually addressable LEDs, all synchronized to audio signals. The P4804 Daisy Chain board is designed as an extender board for driving additional RGBW LED strings. www.animatedledlighting.com



A18804 Arduino Nano shield



P4804 Daisy Chain

 **Mixed Signal Integration**



The A18804 Audio to LED converter and the P4804 Daisy Chain boards are now available on the Digikey website!

These boards are designed for Engineers, Hobbyists and great for students who want to learn more about electronics or computer programming.

The Holiday season is just beginning, use these boards to enhance your Halloween displays or to create a whole House Christmas light show without spending hours programming it