

Re: Help! PIC Controlled LED Array Circuit – 100 LED's??

Source: <http://coding.derkeiler.com/Archive/General/comp.arch.embedded/2004-11/0521.html>

From: Rich Walker (rw_at_shadow.org.uk)

Date: 11/11/04

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sfk.hooper@gmail.com (Scott Hooper) writes:

> *I am new to electronics, but a programmer by trade. I am trying to*
> *achieve a circuit of up to 100 independently controlled LED's (not*
> *segmented display modules). Ideally the circuit would be controlled by*
> *one or more PIC microcontrollers as I have a Willem II programmer. My*
> *application is artistic in nature and requires the leds to be spread*
> *out over a wide area as opposed to being in a grid formation.*

We did something like this with lighting panels with 2 separate circuits on each panel. The PICs were interconnected with CAN, with a local DIP switch to set the address of each one. The PWM outputs were used to drive the LEDs on the panels via a couple of MOSFETs. It was pretty nice to do.

cheers, Rich.

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