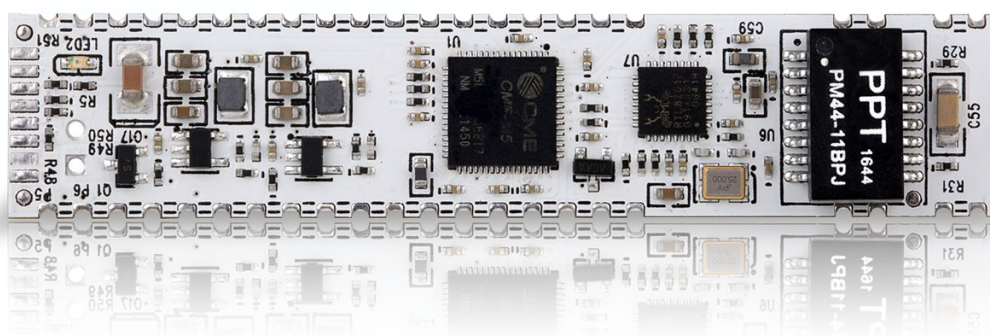




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## Scan board Specification

### Micro-2.1

Version: V01 Date: 2017-07-10

## Product Summary

Micro2.1 is segment LED display for the launch of a new low-cost miniaturized innovative LED systems designed by YDEA-TECH, mainly for the light of the screen, mesh screen display, spot light, shaped screen.

Micro2.1 size only (73 mm x 15 mm), the design can save space and reduce external cable Screen, Screen to simplify design and reduce design complexity, while the highly price competitive force. With this system, you can help customers achieve unprecedented innovative design. It solved the Screen space is limited, Screen protection problems, service problems, and the price puzzle, will further differentiate products designed to provide a competitive advantage.

## Product Feature

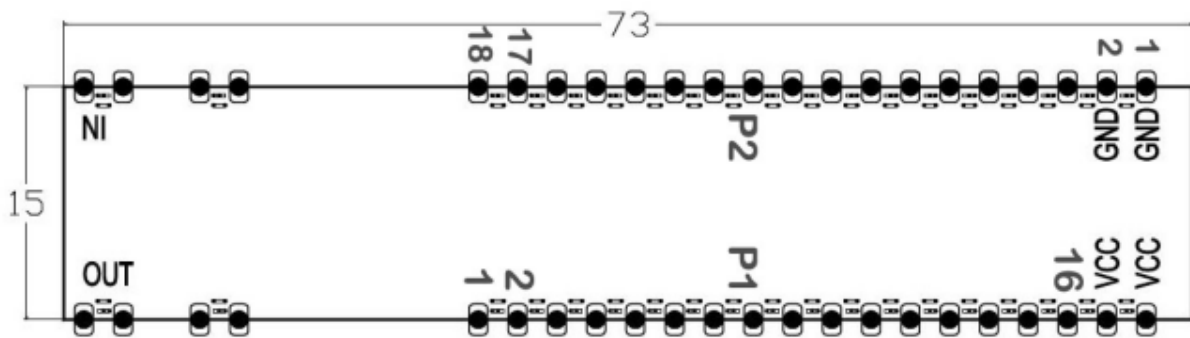
- Operating voltage: 3.6–5V DC.
- Largest single block scanning plate with a load of 8192 pixels.
- Signal block of scan board RGB output serial data clock 24 groups.
- Single block of scan board support 24 I / O port.
- Ultra-small size design (73mm x 15 mm), designed to solve the space problem.
- Support single-card position any offset single card display rotation to achieve shaped screen.
- Reduce the number of cables and connectors, simplifying design LED display. Signal transmission requires only two core UTP twisted pair, allowing the display signal and power wiring into one design, peripherals cascade connection line from the traditional binary two into one into one.
- Display light board can be integrated with the scanning plate modular design, faulty only when the module is individually removable replacement, let Repairs easier, reduce maintenance costs later.
- Fully enclosed design, effectively shielding, allowing the display to easily pass EMI testing, reduce waterproof design challenges.

## Technical Specifications

The maximum load capacity	8192 pixels
Refresh rate	Static screen up to 5500Hz over
Interface Type	2.54mm, Stamp hole interface
Scanning mode	Static – 32 scanning
Gray levels	4096—65536

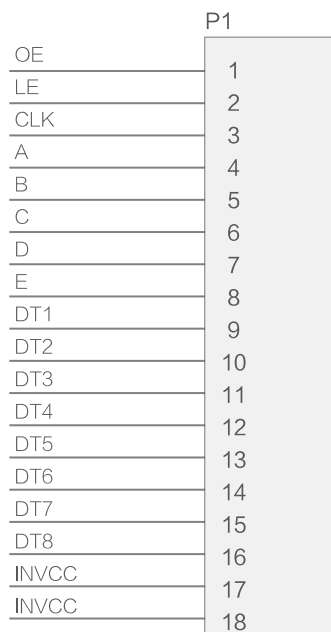
Chip supports	Conventional chip, PWM chips, lighting chip
Number of outputs RGB data set	8 parallel RGB data
Shaped show	Any offset single card position
Single card rotation	0° ,90° ,180° ,270°
Online Upgrade	Support
Cascading number of cards	In general value of 128, the maximum value of 256
Loss of brightness	5%-20%
Operating voltage	3.6-5V DC
Operating temperature	-40℃-70℃
Dimensions	Length73 * width15 (mm)

### Board Card Size

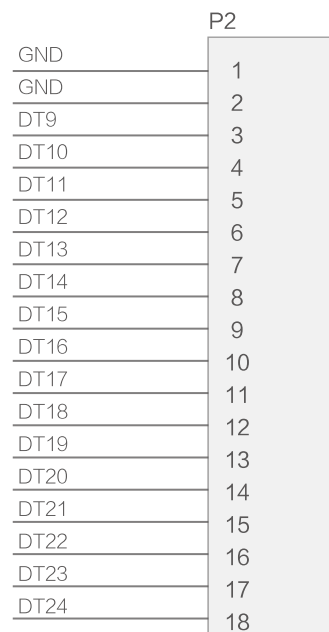


### Interface Definition

- 1) Serial: The maximum support is 24 groups of data.



Header 18



Header 18

- 2) Parallel: The maximum support is 8 groups of data.

