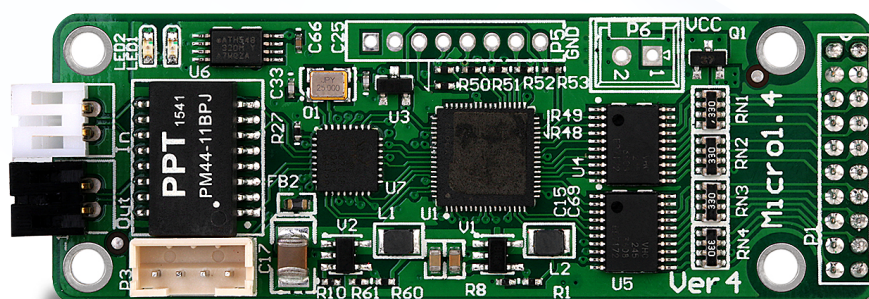




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Scan board Specification

Micro-1.4

Version: V01 Date: 2017-07-10

Product Summary

Micro 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.

Micro size only (68 mm x 24 mm), which is able to achieve the industry's smallest form factor, 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

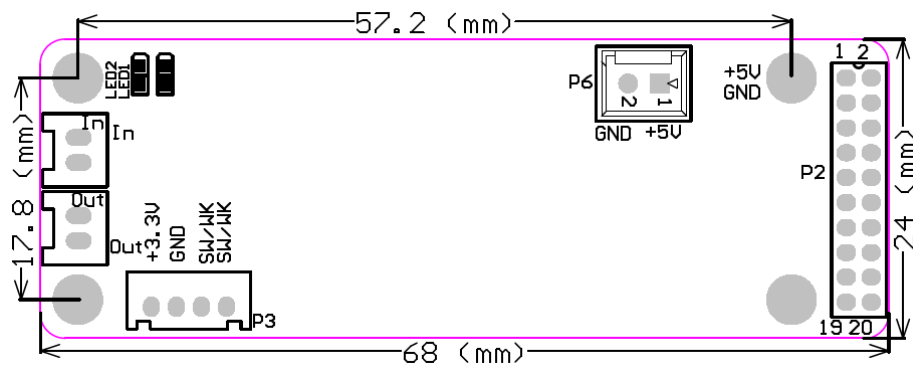
- Operating voltage: 3.6–5V DC.
- Largest single block scanning plate with a load of 1024 pixels.
- Signal block of scan board RGB output serial data clock 8 groups of four extensions.
- Ultra-small size design (68mm x 24 mm), designed to solve the space problem.
- Support single-card position any offset 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	1024 pixels
Refresh rate	Static screen up to 5500Hz over
Interface Type	1 * P2.0, optional pin output
Scanning mode	Static – 16 scanning
Point by point correction	Support
Correction area	1024
Points in 1024	Support
Gray levels	4096—65536

Chip supports	Conventional chip, PWM chips, lighting chip
Number of outputs RGB data set	8 serial RGB data set four clock extension
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 256, the maximum value of 512
Loss of brightness	5%-20%
Operating voltage	3.6-5V DC
Operating temperature	-40℃-80℃
Dimensions	Length68 * width24 (mm)

Board Card Size



P3 interface are defined as follows

1	SW/WK	2	SW/WK
3	GND	4	3.3V

NOTE: 1. P3 interface of 1 and 2 pin interface definition: SW/WK, can be used as an external buttons or light is used;
2. P3 interface, if an external buttons and indicator lights when used at the same time, the need to do reuse circuit on the adapter plate to use;

Interface Definition

P2			
INVCC	1	2	INVCC
GND			GND
Data1	3	4	Data2
Data3	5	6	Data4
Data5	7	8	Data6
Data7	9	10	Data8
CLK1	11	12	CLK2
CLK3	13	14	CLK4
LE	15	16	OE
A(Data9)	17	18	B(Data10)
	19	20	

Header 10X2

NOTE: Data1–Data8, CLK1–CLK4, OE, LE, A, B signal data is unidirectional output, level 5V.