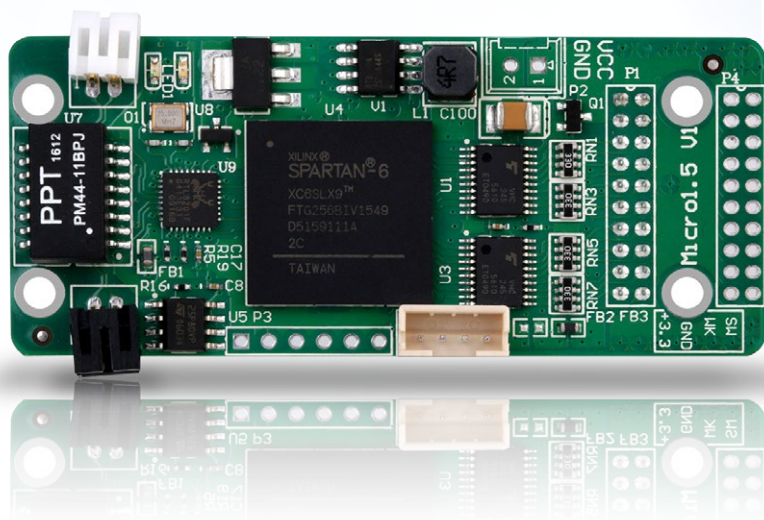




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Scan board Specification

Micro-1.5

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 (70 mm x 30 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

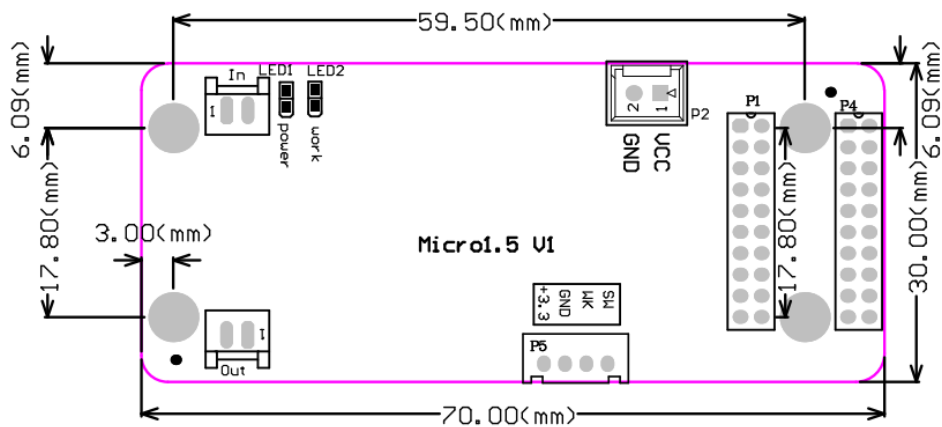
- Operating voltage: 3.6–5V DC.
- Largest single block scanning plate with a load of 4096 pixels.
- Signal block of scan board RGB output serial data clock 16 groups of four extensions.
- Single block of scan board support 32 I / O port.
- Ultra-small size design (70 mm x 30 mm), designed to solve the 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	2048 pixels
Refresh rate	Static screen up to 5500Hz over
Interface Type	2 * P2.0, optional pin output
Scanning mode	static – 32 scanning
Gray levels	4096—65536
Chip supports	Conventional chip, PWM chips, lighting chip

Number of outputs RGB data set	16 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℃-75℃
Dimensions	Length70 * width30 (mm)

Board Card Size



Interface Definition

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

	P1		
INVCC	1	2	INVCC
GND	3	4	GND
Data1	5	6	Data2
Data3	7	8	Data4
Data5	9	10	Data6
Data7	11	12	Data8
CLK1	13	14	CLK2
CLK3	15	16	CLK4
LE	17	18	OE
A(Data25)	19	20	B(Data26)
	Header 10X2		

	P4		
INVCC	1	2	INVCC
GND	3	4	GND
Data9	5	6	Data10
Data11	7	8	Data12
Data13	9	10	Data14
Data15	11	12	Data16
Data17	13	14	Data18
Data19	15	16	Data20
Data21	17	18	Data22
Data23	19	20	Data24
	Header 10X2		

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

