

INDUSTRIAL STRENGTH... Start Your Application From YOURITECH

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Optical Bonding

Cover glass

System solutions

OEM Solutions

Custom Display

Production Custom designs Installation

Mechanical design



DISPALY MODULE SPECIFICATION

Customer: _____

Module No.: ET049F1CSFS02-G

Date: 2024-11-11

Version: 1.0

For Customer's Acceptance:

Approved by	Comment

Approved by	Checked by	Prepared by

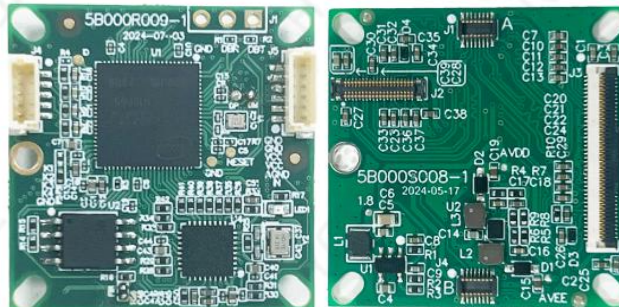
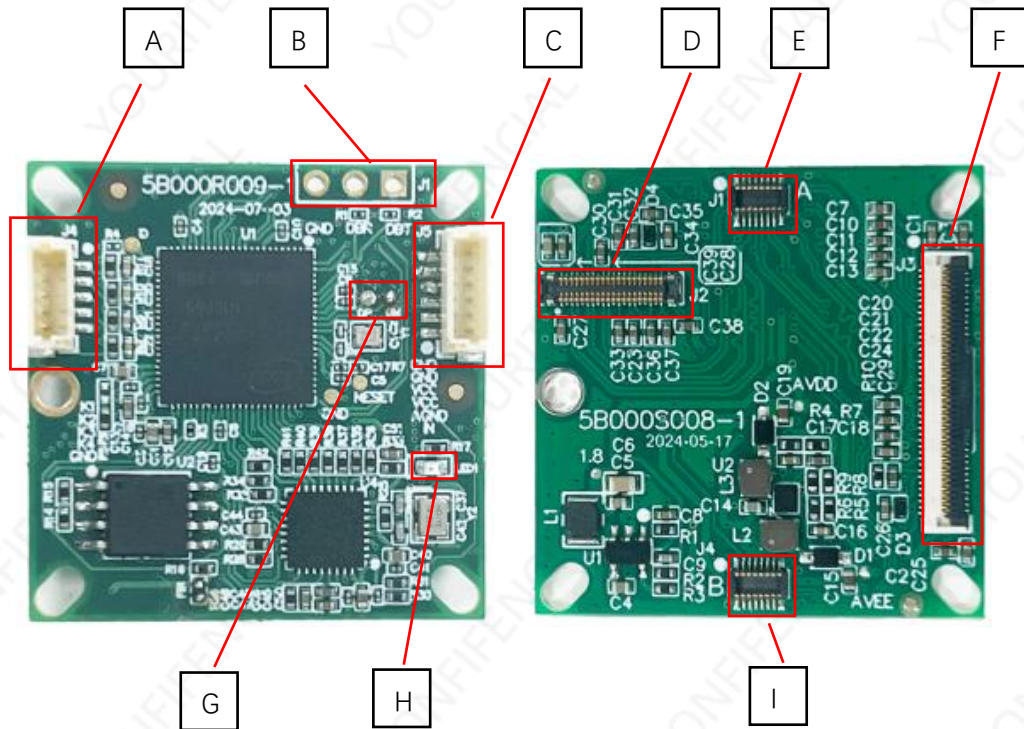


1. 产品概述:

ET049F1CSFS02-G 是我司开发的单目硅基 OLED 显示屏驱动板。该产品以 SH1.0 连接器为 CVBS 及电源输入接口，输出信号为 MIPI 信号，支持通过连接器实现亮度调节和更改分辨率的按键功能。可应用于 YOURITECH 硅基产品的 demo 展示、产品特性评估以及基于该驱动板进行产品的二次开发。



2. 产品接口说明:



A: 按键控制 (J4 连接器型号: BM05B-SRSS-TB(LF)(SN))

引脚定义	1 (K1)	2 (K2)	3 (K3)	4 (K4)	5 (GND)
功能	短按增加 屏幕亮度, 长按切换 分辨率	短按降低 屏幕亮度	\	\	接地

B: UART 调试接口

C: 电源及 CVBS 信号输入接口 (J5 连接器型号: BM06B-SRSS-TB(LF)(SN))

引脚定义	1 (IN)	2 (AGND)	3 (VCC)	4 (VCC)	5 (GND)	6 (GND)
功能	CVBS 信号输入	模拟地	5V 供电	5V 供电	接地	接地

D: 显示屏接口: 可以直接连接 YOURITECH 0.49inch 屏幕

E&I: 用于两块板子间的固定及信号和电源的传输

F: 显示屏接口: 可以直接连接 YOURITECH 1.03inch 屏幕

G: USB 接口, 用于 MCU 的固件更新及调试

H: LED 指示灯: 当 TV049F1CSFS02 接通电源后, LED 将会显示红色



3. 产品参数

3.1 驱动板架构:

TR660+ GM7150BC+ POWER+KEY

其中: 1> TR660 是一款 64 bit MCU, 主要负责按键功能处理、DVP 信号转 MIPI 信号以及配置 GM7150BC。

2> GM7150BC 为 CVBS 信号 转 DVP 信号 bridge chip

3.2 驱动板支持分辨率情况:

最大 1920X1440@60Hz



The technical drawing illustrates the dimensions and assembly details for a PCB. It includes a top view (A-A), a bottom view (B-B), and a side view (C-C). Key dimensions include a total width of 30.00±0.4 mm, a central hole diameter of 15.00 mm, and a hole spacing of 22.10 mm. The side view shows a thickness of 0.8 mm and a mounting hole diameter of 12.00±0.1 mm. A detailed view of the mounting hole shows a 1.30 mm diameter, a 1.60 mm hole, and a 2.00 mm hole. A 3D exploded view shows the assembly of the PCB, mounting holes, and a connector. The parts list table is as follows:

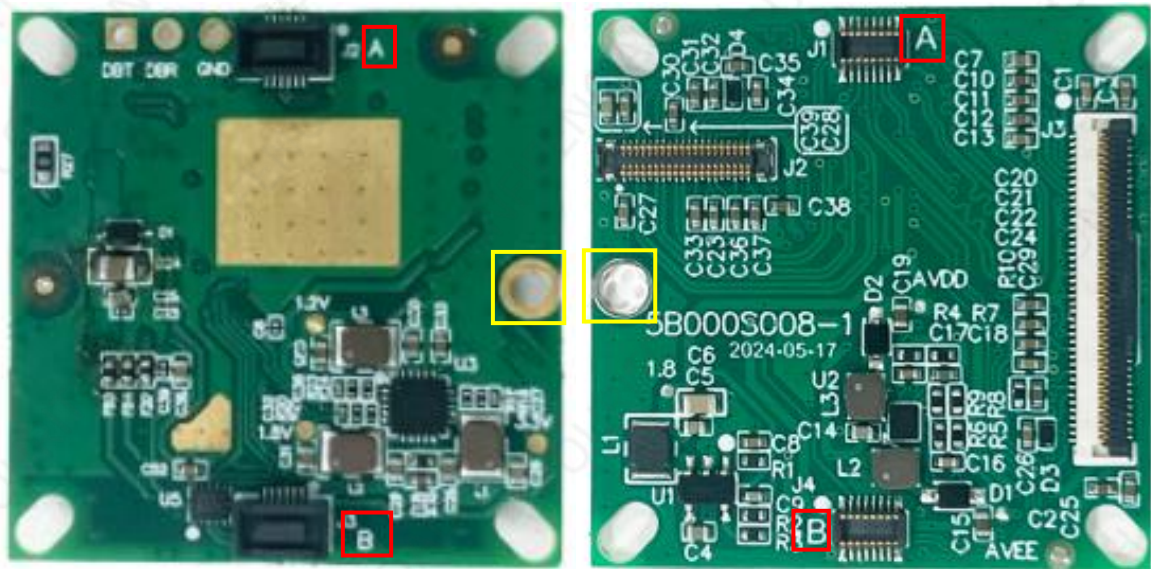
序号	型号/规格	数量	备注
1	W2*4-3	12	滚花铜柱
2	SB000SR009-1	1	PCBA
3	SB000S008-1	1	PCBA
00	初版	SZX	240806



3.4 电气性能:

输入电压范围测试	VINmin	VINmid	VINmax
电压(V)	3.4	5	5.5
电流(A)	0.358	0.244	0.230
功率(W)	1.217	1.22	1.265

4. 注意事项



当连接两块板子时注意将这两块板子上的圆孔对齐安装，也可以根据板子上连接器旁边的丝印 ‘A’ 和 ‘B’ 安装，使两块板子上的丝印 ‘A’ 与 ‘A’ 对齐， ‘B’ 与 ‘B’ 对齐。

