



PRODUCT SPECIFICATION

KADI Model: **KD090WSHD01**

CUSTOMER Model: **-**

Description: **9.0 inch HDMI Display**

Version: **1.0**

KADI	PREPARED BY	CHECKED BY	APPROVED BY
SIGNATURE	HZL	WHB	LXM
DATE	2025.6.6	2025.6.6	2025.6.6

CUSTOMER APPROVAL	SIGNATURE	DATE

Record of Revisions

[illegible]



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1. General Specifications

1.1 LCM General Information

Item	Description
Input Source	HDMI 1.4a
LCD interface	Sig 6 LVDS (1024*600 60Hz)
Voltage for LCD	3.3V
Power input	7~30V(DC)
Operation Temperature	-20~70 °C
Storage Temperature	-30~80 °C
Users Control	Power On/off OSD Menu Adjust+ Adjust- Exit

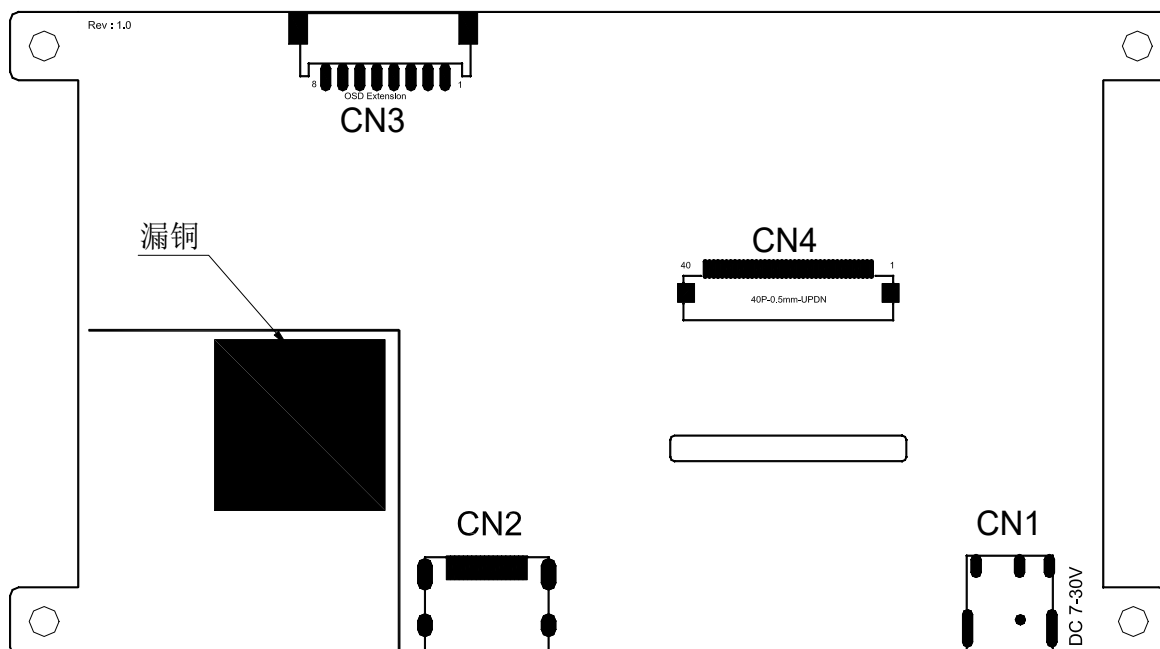
Note1: Requirements on environmental protection RoHS compliant.



2. Interface

2.1 PCB overview

Picture below shows the connectors exact placement and their descriptions.



2.2 Connector Description

Item	Type	Description
CN1	Powr Jack	DC Jack (5.9mm OD/2.1mm ID)
CN2	HDMI	HDMI-A
CN3	External OSD keyboard	Power/Menu/Exit/Down/Up (8P-2.0mm)

2.3 CN1 (DC) 5.9mm OD/2.1mm ID

Pin No.	Symbol	Description
1	VDD	Power supply DC;7~30V
2	GND	GND

2.4 CN2 (HDMI)



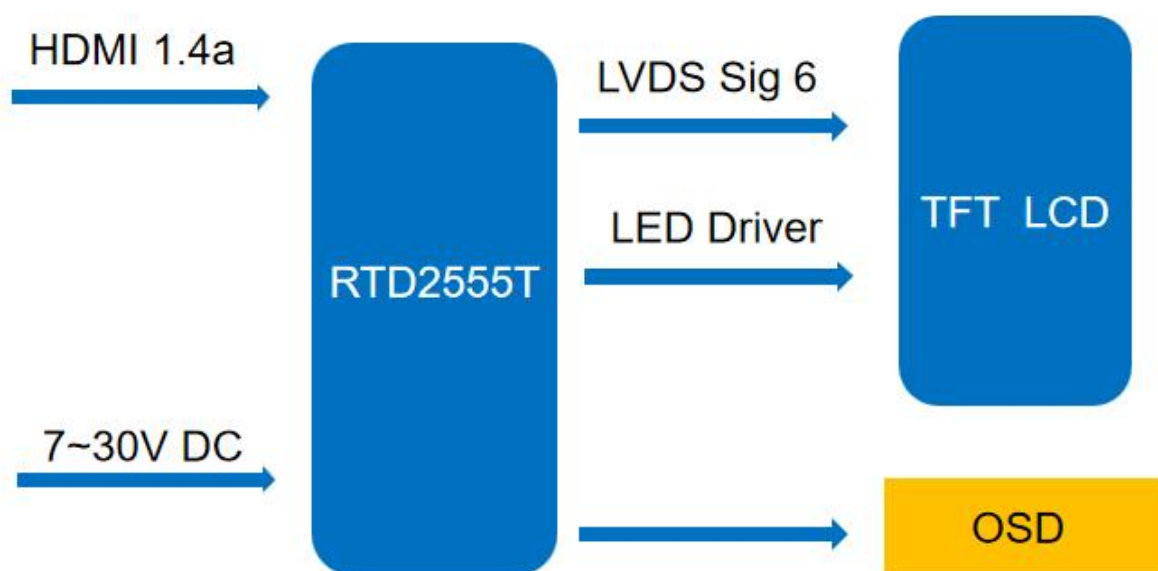
Pin No.	Symbol	Description
1	TMDS_Data 2+	TMDS differential signal 2+
2	TMDS_Data 2_S	Data2 shielding ground
3	TMDS_Data 2-	TMDS differential signal 2-
4	TMDS_Data 1+	MDS differential signal 1+
5	TMDS_Data 1_S	Data1 shielding ground
6	TMDS_Data 1-	TMDS differential signal 1-
7	TMDS_Data 0+	TMDS differential signal 0+
8	TMDS_Data 0_S	Data0 shielding ground
9	TMDS_Data 0-	TMDS differential signal 0-
10	TMDS_CLK+	TMDS differential signal Clock+
11	TMDS_CLK_S	Clock shielding ground
12	TMDS_CLK-	TMDS differential signal clock-
13	CEC	Electronic protocol CEC
14	NC	No connection
15	SCL	IIC clock Line
16	SDA	IIC data Line
17	DDC/CEC_GND	Data display channel
18	+5V	HDMI 5V
19	HOT_PLUG_DET	Hot plug detect

2.5 CN3(External OSD keyboard)

Pin No.	Symbol	Description
1	DOWN	Page down
2	UP	Page up
3	EXIT	Exit
4	MENU	Menu
5	PWR	Power on/off
6	LED_EN	LED Enable; Output signal 3.3V
7	GND	GND
8	3.3DVCC	Keyboard VDD, Output 3.3V



3. Function Block



4. Mechanical Drawing

