Orient Display (USA) Corp

User Manual

Production Type   JAZZ-AB

REV: 1.0

ISSUED DATE 2009-07-12

Orient Display (USA) Corp

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1.   General Specification

JAZZ-AB is the testing and demo board for JAZZ-AC 12864 COG LCM. Its power supply can be USB or 3V. After power on, JAZZ-AB can show the following in sequence: 1) Frame, 2) Each other Row 1, 3) Each other Row 2, 4) Each other column 1, 5), Each other column 2, 6) Cross, 7) All pixels, 8) All blank, 9) Picture 1, 10), Picture 2, 11 Picture 3, then return back to 1). Step button can freeze a screen and more to another screen with one put of the button. "+" and "-" buttons can be used to adjust the LCD contrast. The potentiometer can be used to adjust the backlight brightness.

2 . Main Components
Main Components on MCU board

NO.	Symbol	Name	FUNCTION
1	/	Power Supply Interface	+3VDC(+/-5%) Power Supply for the board
2		USB Power Supply	USB Power Supply for the board
3	/	Power Supply Switch	Turn on and turn off the Power Supply
4	RST	Reset key	Reset for MCU
5	LED	Power Light (red)	It be light when Power Supply be turned on
6	Step	Step key	Press the key, the display picture one by one
7	+	+ key	Contrast become high
8	-	- key	Contrast become low

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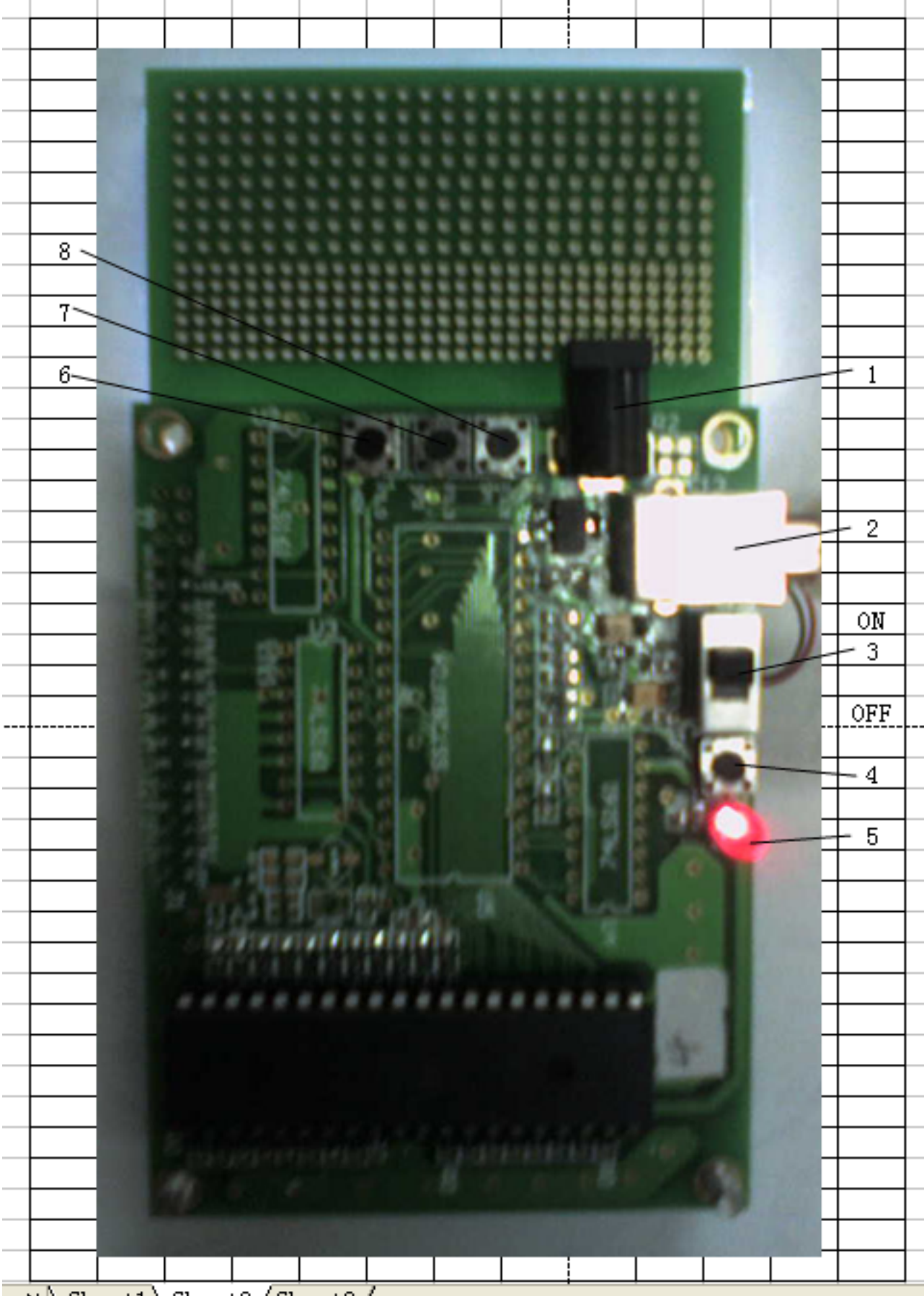
Fig. 1

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Main Components on LCM board

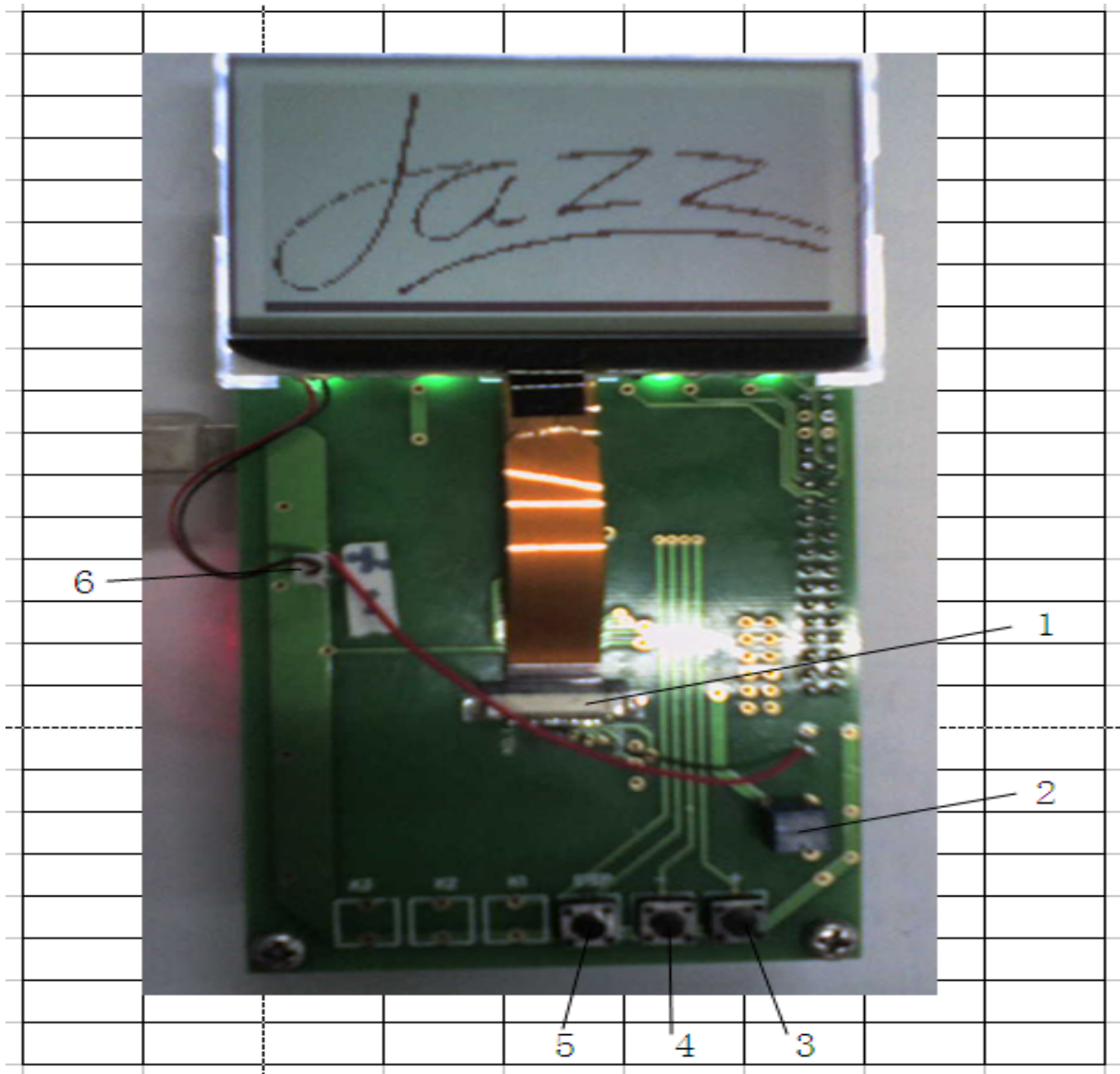| NO.	Symbol	Name	FUNCTION
1	/	LCM FFC Socket	Connect the LCM
2		potentiometer	Adjust the lightness of the led back light
3	+	+ key	Contrast become high
4	-	- key	Contrast become low
5	Step	Step key	Press the key, the display picture one by one
6		LED BL socket	LED back light socket

Fig. 2

3. Operation

USB or 3V can be used for power supply. After power on, JAZZ-AB can show

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the following in sequence: 1) Frame, 2) Each other Row 1, 3) Each other Row 2, 4) Each other column 1, 5), Each other column 2, 6) Cross, 7) All pixels, 8) All blank, 9) Picture 1, 10), Picture 2, 11 Picture 3, then return back to 1).

Step button can freeze a screen and more to another screen with one put of the button.

"+" and "-" buttons can be used to adjust the LCD contrast. The default setting is 15 and the range is 0 to 30. The voltage increases to another level with press "+" each time. The voltage decreases to another level with press "-" each time.

The potentiometer can be used to adjust the backlight brightness.

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REVISION HISTORY

Rev	Content	Date
1.0	Initial Version	2009-07-12