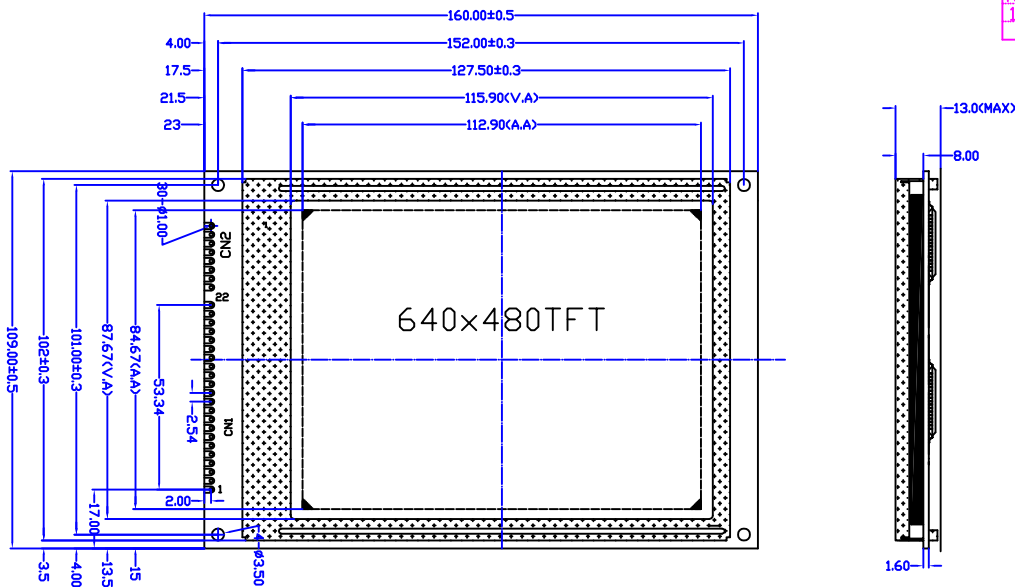
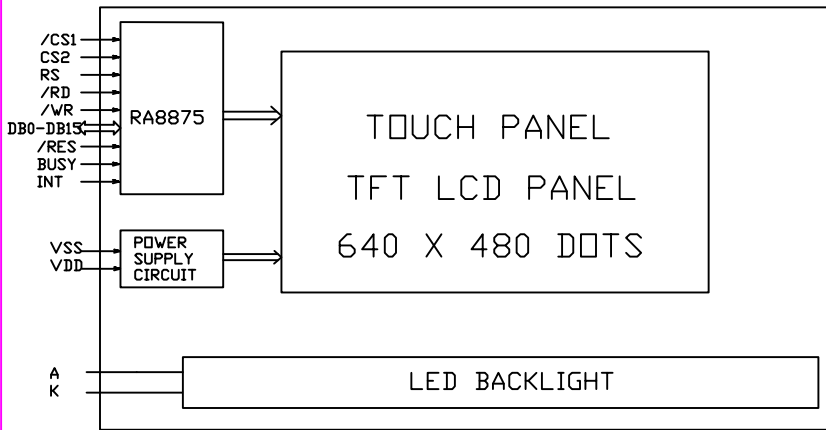


# Outline Dimension

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	11/09/26	ZOLEN	NEW RELEASE



## Block Diagram



## Feature

1. BUILT IN CONTROLLER: RA8875
2. POWER SUPPLY: 5.0V AND 3.3V AVAILABLE
3. LCD TYPE: TFT 256/65K COLORS
4. 4-WIRE TOUCH PANEL
5. 8080/6800/WITH 8/16DATA BUS WIDTH
6. I2C OR 3/4-WIRE SPI I/F
7. 8x16 DOTS FONT WITH ISO/IEC 8859-1/2/3/4
8. TEMPERATURE RANGE: EXTENDED(-20--70)
9. BUILT IN BTE AND DMA FUNCTION

## Mechanical Data

ITEM	SPECIFICATION	UNIT
OVERALL SIZE	160.0W x 109.0H x 13.0T	MM
VIEWING AREA	115.90W x 87.67H	MM

## CN1 Pin Assignment

NO.	SYMBOL	DESCRIPTION
1	VSS	GROUND
2	VDD	POWER SUPPLY FOR LOGIC AND LCD
3	NC	NO CONNECT
4	RS(SDI)	COMMAND/DATA SELECT(SPI IF)
5	/WR(SDO)	WRITE SIGNAL(SPI IF)
6	/RD(SCL)	READ SIGNAL(SPI IF)
7	/CS1(SCS)	CHIP SELECTION(LOW EFFECTIVE(SPI)
8	NC	NO CONNECT
9	BUSY	RA8875 BUSY SIGNAL
10	INT	RA8875 INTERRUPT SIGNAL
11	/RST	RESET SIGNAL (LOW EFFECTIVE)
12--19	DB0--DB7	DATA BUS
20	NC	NO CONNECT
21	A	LED BACKLIGHT POWER SUPPLY(+)(X5.0V)
22	K	LED BACKLIGHT POWER SUPPLY(-)(X0V)
CN2(1-8)	DB8--DB15	DATA BUS

## Absolute Maximum Rating

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY(LOGIC)	VDD-VSS	0	4.0	V
INPUT VOLTAGE	V <sub>i</sub>	0	VDD	V

## Electrical Characteristics

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
VOLTAGE FOR LOGIC	VDD-VSS	3.0	3.3	3.6	V
SUPPLY CURRENT	I <sub>DD</sub>	-	200	-	mA
BACKLIGHT	LUMINANCE	280	350	-	CD/m <sup>2</sup>
	CURRNT	-	380	450	mA
INPUT VOLTAGE	H V <sub>IH</sub>	0.7VDD	-	VDD	V
	L V <sub>IL</sub>	0	-	0.3VDD	V

ALL DIMENSIONS ARE IN MM. TOLERANCE IS +/-0.2 UNLESS OTHERWISE NOTED.

640480A-T

640 X 480 TFT LCM

GOOD VIEW DISPLAY

JXD