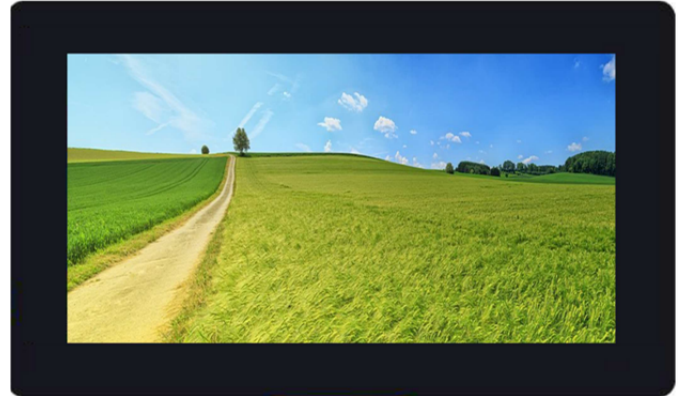




BTC070CF-EFC\$

● Feature

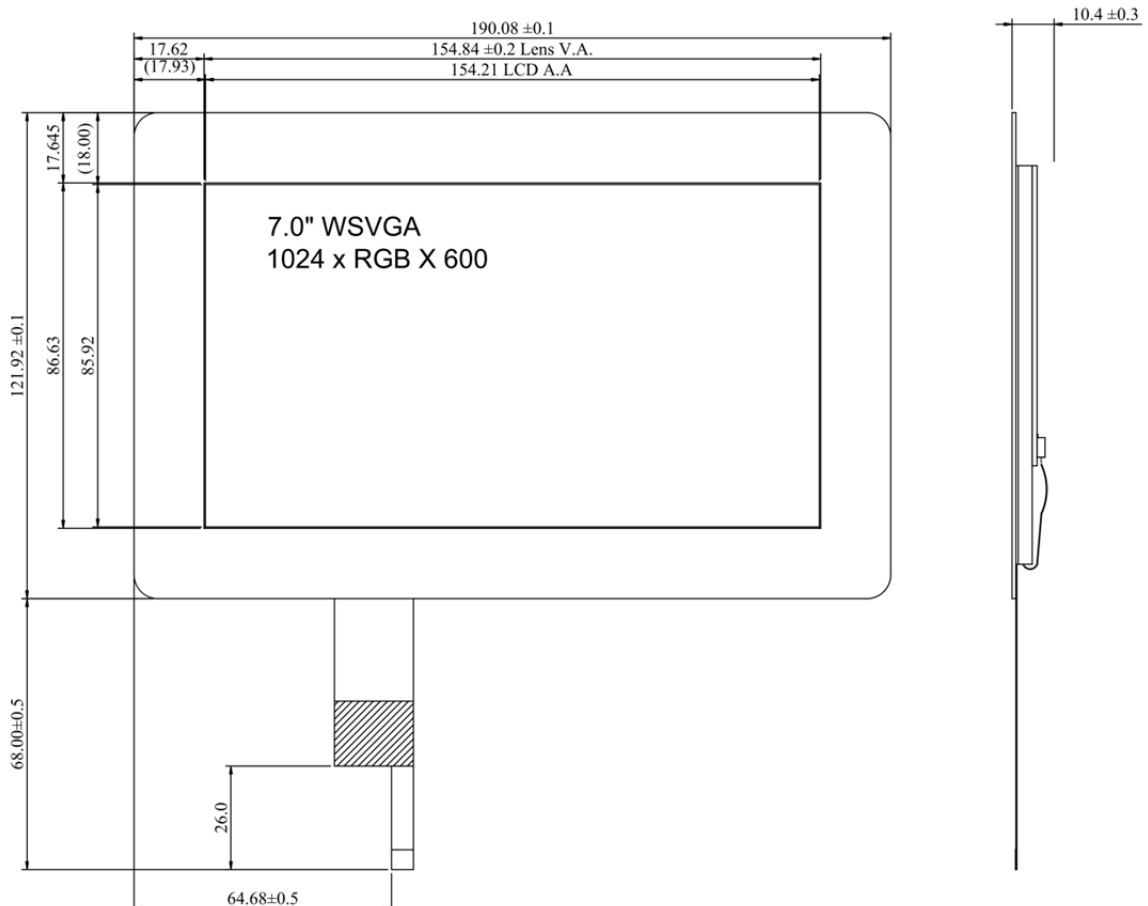
1. 7.0" IPS TFT LCD Module
2. Resolution:1024*RGB*600
3. Display Type:TFT/Transmissive/Normally/black
4. Interface Type: Parallel
5. Controller IC: RA8877
6. Top:-20°C~70°C
7. Support Capacitive Touch Panel



● Mechanical Data

1. Module(WxHxT)(mm):190.08*121.92*10.4
2. Active Area(mm):154.21*85.92
3. LED Numbers: 30 LEDs

● Mechanical Drawing



● Interface Pin Function

Pin No.	Symbol	I/O Level	Description
1,2	VSS	-	Ground
3,4	VDD	-	Power supply for Logic,(3.3V)
5	BL_EN	H/L	Backlight control pin. H:On \ L: Off
6	RS	H/L	H: Data , L: Instruction
7	/WR	H/L	In 8080 series, this pin is used as /WR signal (data write) , active low.
8	/RD	H/L	In 8080 series, this pin is used as /RD signal (Data Read) , active low.
9	/CS	H/L	Chip Select input, Low active.
10	INT	-	Interrupt Signal Output. The interrupt output for MCU to indicate the status of RA8877.
11	/RST	H/L	Reset signal
12~27	DB0~DB15	H/L	Data bus line
28	TP-CLK	-	NC.
29	TP-CS	-	NC.
30	TP-INT	-	NC.
31	TP-DI	-	NC.
32	TP-DO	-	NC.
33,34	VLED+	-	Power supply for backlight driver.(5.0V)
35,36	VLED-	-	Power supply for backlight driver.(GND)

● CTP Pin Function

Pin No.	Symbol	I/O Level	Description
1	NC	-	NC
2	NC	-	NC
3	/RST	I	Reset pin.
4	GND	-	Ground
5	INT	O	Interrupt output.
6	SDA	I/O	I2C DATA signal input/output.
7	SCL	I	I2C CLOCK signal input.
8	GND	-	Ground
9	GND	-	Ground
10	VDD	-	Power supply pin.

● Electrical Characteristics

Module

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Supply Voltage For Logic	VDD	—	3.0	—	3.3	V
Input High Voltage	V _{IH}	—	0.7VDD	—	VDD	V
Input Low Voltage	V _{IL}	—	VSS	—	0.3VDD	V
Supply Current	I _{dd}	VDD =3.3V	—	—	—	mA

Backlight

Item	Symbol	Min.	Typ.	Max.	Unit
Luminance	L	570	640	—	cd/m ²