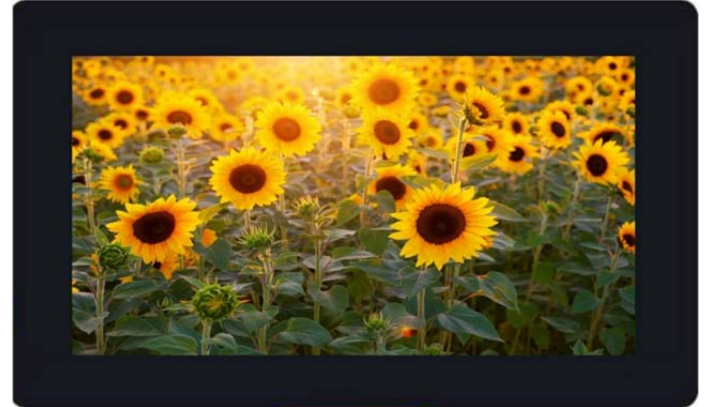


BTC101AF-GAC\$



● Feature

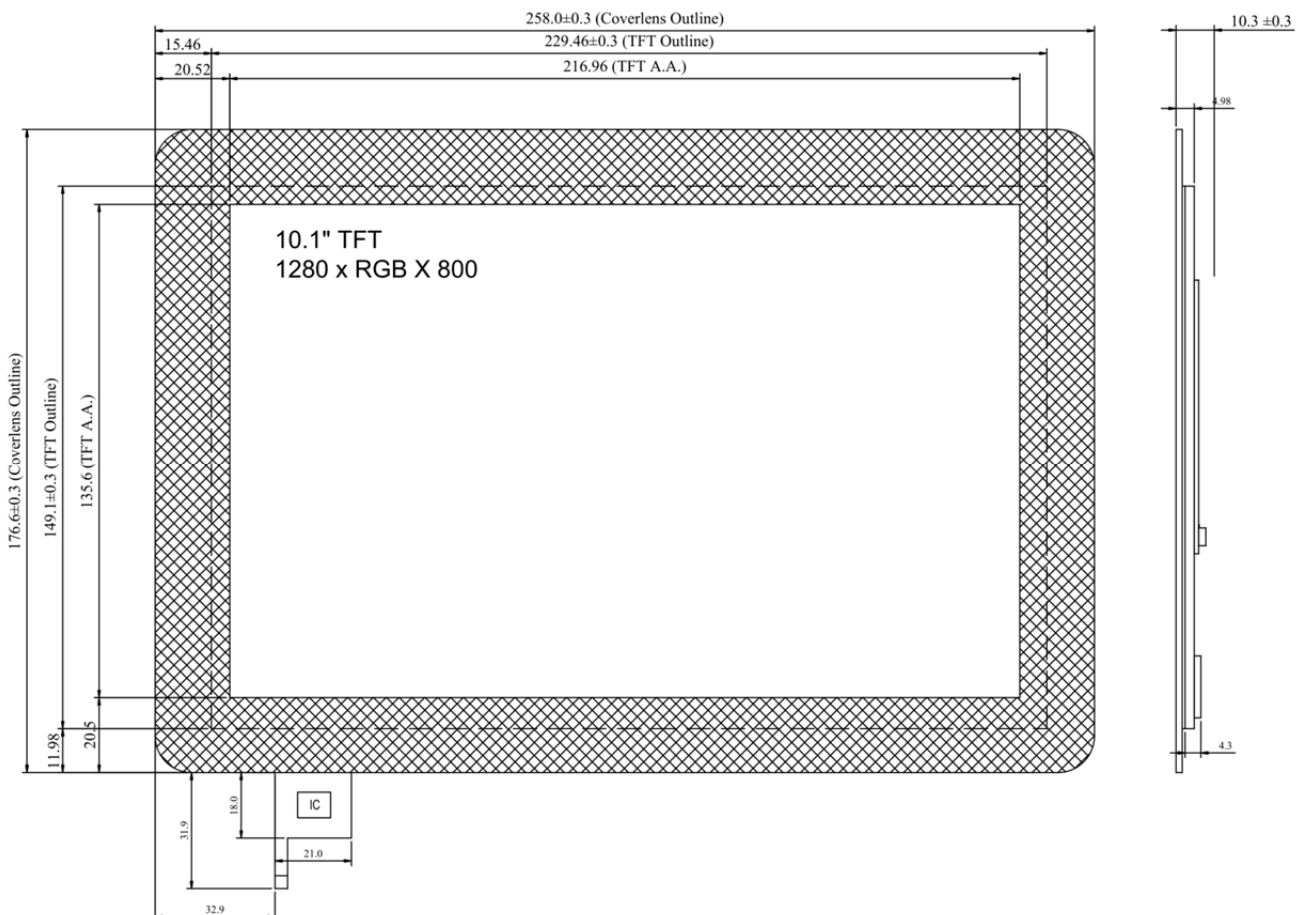
1. 10.1" IPS TFT LCD Module
2. Resolution: 1280*RGB*800
3. Display Type:TFT/Transmissive/Normally/black
4. Interface Type: 4-Wire SPI
5. Controller IC: RA8877
6. Top: 0°C~50°C
7. Support Capacitive Touch Panel



● Mechanical Data

- Module(WxHxT)(mm):258*176.6*10.3
- Active Area(mm):216.96*135.6
- LED Numbers: 30 LEDs

● Mechanical Drawing



● Interface Pin Function

Pin No.	Symbol	I/O Level	Description
1	VSS	-	Ground
2	VDD	-	Power supply for Logic,(3.3V)
3	BL_EN	H/L	Backlight control pin. H:On \ L: Off
4~10	VSS	-	Ground
11	SCS	H/L	SPI Chip Select
12	SDO	H/L	4-wire SPI Data Output
13	SDI	H/L	4-wire SPI Data Input
14	SCL	H/L	4-wire Serial clock.
15	VSS	-	Ground
16	/RST	H/L	Reset signal
17	WAIT	-	Wait Signal Output. When high, it indicates that the controller is ready to transfer data.
18	INT	-	Interrupt Signal Output. The interrupt output for MCU to indicate the status of controller.
19	VLED+	-	Power supply for backlight driver.(5.0V)
20	VLED-	-	Power supply for backlight driver.(GND)

● CTP Pin Function

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

● 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	150	190	—	cd/m ²