Winstar Display Co., LTD
華凌光電股份有限公司
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SPECIFICATION

CUSTOMER : _____

MODULE NO.: WWTFT-10#

General Specifications

Item	Dimension	Unit
Module dimension	37.0 x 50.0*12.0 Max	mm
Interface	Min USB	

Electrical Characteristics

Operating conditions:

Item	Symbol	Condition	Min	Typ	Max	Unit	Remark
Supply Voltage	VDD	—	4.5	5	5.25	V	USB Power
Supply Current	IDD	—	—	0.07	0.1	mA	Note1
Power Consumption	—	VDD=5V	—	0.35	0.525	mW	VDD=5V

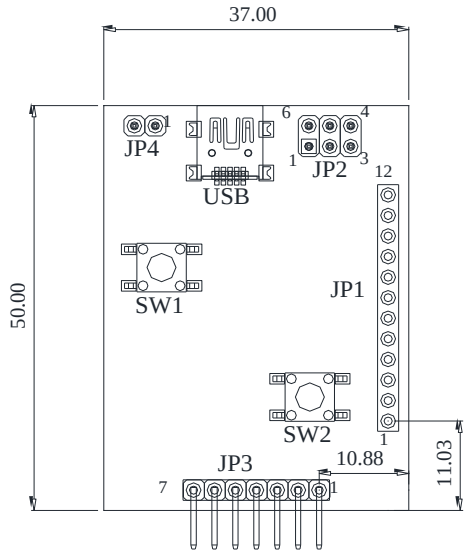
Note 1 : This value is test for VDD=5V , Ta=25 ℃ only

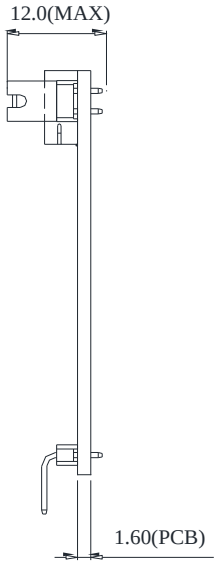
Interface

J1			
Pin	**Symbol**	**I/O**	**Function**
1	GND	Power Supply	Power Ground
2	SW1	I	Switch (active low)
3	SW2	I	Switch (active low)
4	SW3	I	Switch (active low)
5	SW4	I	Switch (active low)
6	GND	Power Supply	Power Ground
7	SPI_MISO	O	Serial Data Output
8	SPI_MISI	I	Serial Data Input
9	SPI__SCK	I	Serial Clock
10	CS	I	Serial Chip selection
11	GND	Power Supply	Power Ground
12	VCC	Power Supply	Power supply : 5V

J3			
Pin	**Symbol**	**I/O**	**Function**
1	GND	Power Supply	Power Ground
2	RXD	I	RS232 Receive pin
3	TXD	O	RS232 Transmit pin
4	VCC	Power Supply	Power supply : 5V
5	D+	I/O	USB Data +
6	D1	I/O	USB Data -
7	GND	Power Supply	Power Ground

Contour Drawing





J3		J1	
PIN NO.	SYMBOL	PIN NO.	SYMBOL
1	GND	1	GND
2	RXD	2	SW1
3	TXD	3	SW2
4	VCC	4	SW3
5	D+	5	SW4
6	D-	6	GND
7	GND	7	SPI_MISO
		8	SPI_MISI
		9	SPI_SCK
		10	CS
		11	GND
		12	VCC

The non-specified tolerance of dimension is ±0.3mm.