

ITDB02-2.4E

Overview



Features

- Compatible with 3.3/5V operation voltage level
- 8bits/16bits operation compatible
- Compatible with UTFT library
- With SD Card Socket

Specifications

PCB size	65.53mm X 50.8mm X 1.6mm	
Power supply	5V DC	
RoHS	Yes	

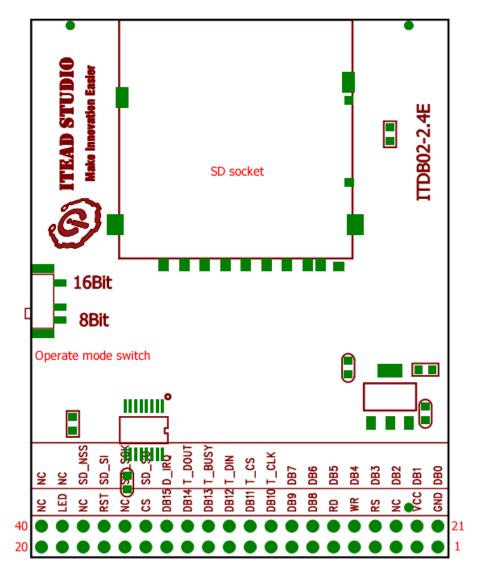
Electrical Characteristics

Specification			Туре	Max	Unit
Power Voltage		4.5	5	5.5	VDC
Output Voltage	Target Voltage = 3.3V	3	3.3	3.6	V



VH	Target Voltage = 5V	4.5	5	5.5	
Output Voltage VL:		-0.3	0	0.5	٧
Current Consumption		_	20	40	mA

Hardware



Bottom View

Pin Map list

Pin	Type*	Description	
GND	G	Ground	
VCC	Р	5V Power Supply pin	
NC	-	No connection	
RS	I	Data/Command selection	
WR	ı	Write signal enable, low active	



RD	ı	Read signal enable, low active	
DB8	<u>'</u> 	Data Bus	
DB9	' 		
DB10		Data Bus	
	ı	Data Bus	
DB11	1	Data Bus	
DB12		Data Bus	
DB13		Data Bus	
DB14		Data Bus	
DB15	I	Data Bus	
CS	I	Chip Selection, Low level active	
NC	_	No connection	
LED	Р	Backlight	
NC	_	No connection	
DB0	_	No connection (8bit mode)	
	I	Data Bus (16bit mode)	
DR1	_	No connection (8bit mode)	
DB1 I Data Bus (16bit mode)		Data Bus (16bit mode)	
DD2	- No connection (8bit mode)		
DB2	I	Data Bus (16bit mode)	
555	_	No connection (8bit mode)	
DB3	I	Data Bus (16bit mode)	
	- No connection (8bit mode)		
DB4		Data Bus (16bit mode)	
	- No connection (8bit mode)		
DB5		Data Bus (16bit mode)	
		No connection (8bit mode)	
DB6	I	Data Bus (16bit mode)	
	_	No connection (8bit mode)	
DB7	I	Data Bus (16bit mode)	
T_CLK	ı	Touch clock	
T_CS	ı	Touch chip selection	
T_DIN	I	Touch data input	
T_BUSY	0	Touch status	
T_DOUT	0	Touch data output	
T_IRQ	0	Touch interrupt	
SD_SO	0	SD MISO	
SD_SCK	ı	SD WISO SD SCK	
SD_SCK	'	SD SCK SD MOSI	
SD_SI SD_NSS	1		
	<u> </u>	SD NSS	
NC NC	_	No connection	
NC *	_	No connection	

^{*:} P: Power supply; G:Ground; I:Input; O:Output;



The <code>ITDB02_2.4E</code> uses the S6D1121 controller , it support 8/16bit data interface. The touch IC is TSC2046.

Installation

When operate in 8 bits mode, the mode switch need to set in 8bits side. When operate in 16 bits mode, the mode switch need to set in 16bits side.

Revision History

Rev.	Description	Release date
v1.0	Initial version	2012-4-25