

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	Min	Type	Max	Unit
Power Voltage	4.5	5	5.5	VDC
Output Voltage	3	3.3	3.6	V
Target Voltage = 3.3V				

RD	I	Read signal enable, low active
DB8	I	Data Bus
DB9	I	Data Bus
DB10	I	Data Bus
DB11	I	Data Bus
DB12	I	Data Bus
DB13	I	Data Bus
DB14	I	Data Bus
DB15	I	Data Bus
CS	I	Chip Selection, Low level active
NC	-	No connection
LED	P	Backlight
NC	-	No connection
DB0	-	No connection (8bit mode)
	I	Data Bus (16bit mode)
DB1	-	No connection (8bit mode)
	I	Data Bus (16bit mode)
DB2	-	No connection (8bit mode)
	I	Data Bus (16bit mode)
DB3	-	No connection (8bit mode)
	I	Data Bus (16bit mode)
DB4	-	No connection (8bit mode)
	I	Data Bus (16bit mode)
DB5	-	No connection (8bit mode)
	I	Data Bus (16bit mode)
DB6	-	No connection (8bit mode)
	I	Data Bus (16bit mode)
DB7	-	No connection (8bit mode)
	I	Data Bus (16bit mode)
T_CLK	I	Touch clock
T_CS	I	Touch chip selection
T_DIN	I	Touch data input
T_BUSY	O	Touch status
T_DOUT	O	Touch data output
T_IRQ	O	Touch interrupt
SD_SO	O	SD MISO
SD_SCK	I	SD SCK
SD_SI	I	SD MOSI
SD_NSS	I	SD NSS
NC	-	No connection
NC	-	No connection

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

The ITDB02_2.4E 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