UART TFT LCD

BTU056-6448TL300NTN$

SPECIFICATIONS

Part Number

Type	
MODEL:	BTU056-6448TL300NTN$
SIZE:	5.6 inch

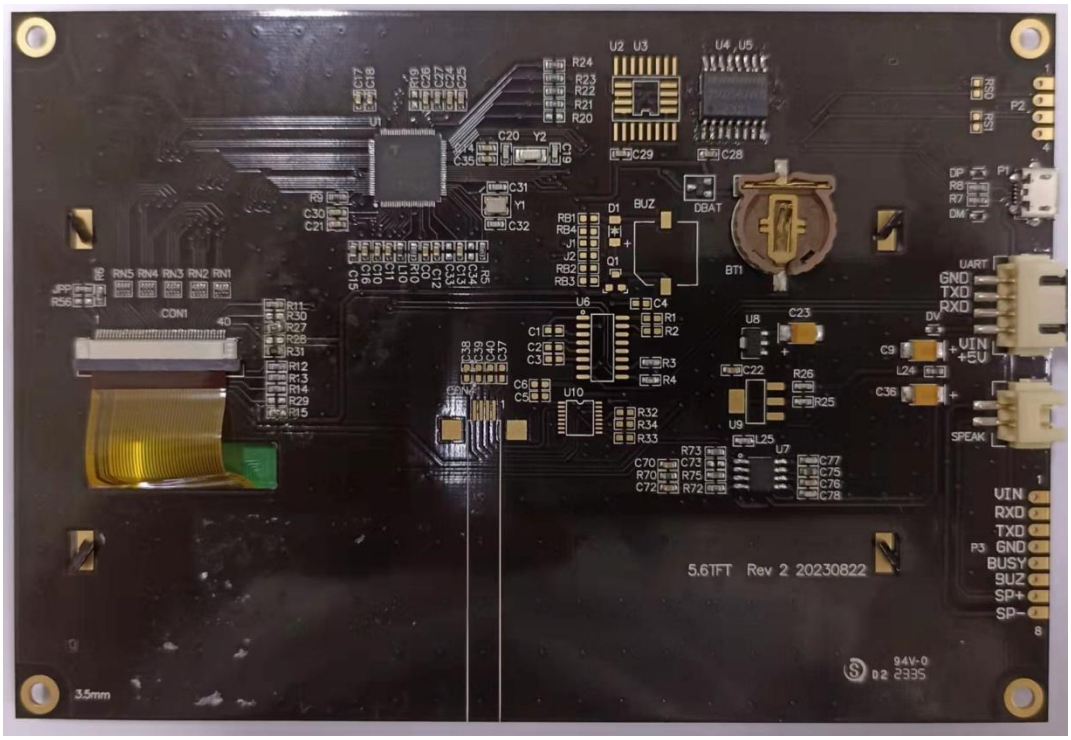
History

DATE	
2021-11-01	NEW VERSION

BTU056-6448TL300NTN$
www.bolymin.com.tw
+886-4-25658689

Bolymin UART TFT LCD





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● Specifications

	DATA	Description
Color	65K (65536) 色	16bit RGB
Layout Size	160 (L) ×109 (W) ×14.2 (H)	
Active Area	112.9mm (L) ×84.67mm (W)	
View Area	113.9mm (L) ×85.67mm (W)	5.6 inch
Resolution	640×480	
View Angle	12’ H	TN
Touch type		
Touches		
Backlight	LED	
B/L life time	>30,000 Hours	
Brightness	350nit	0%~100% , 16 step adjustment
Weight	141 g	

● Electronic Characteristics

	Test Conditions	Min	Typical	Max	Unit
Operating Voltage (VBUS)		4.65	5	5.5	V
Operation Current	VCC=+5V · Brightness 100%	-	370	-	mA
	SLEEP Mode		110		mA

● Audio(Option)

	Paremeter	Min	Typical	Max	Unit
Power	4 ohm , 2W		2		W
Size	40 x 40 x2 2				mm
Connector	2 pin, pitch 2.0mm				mm

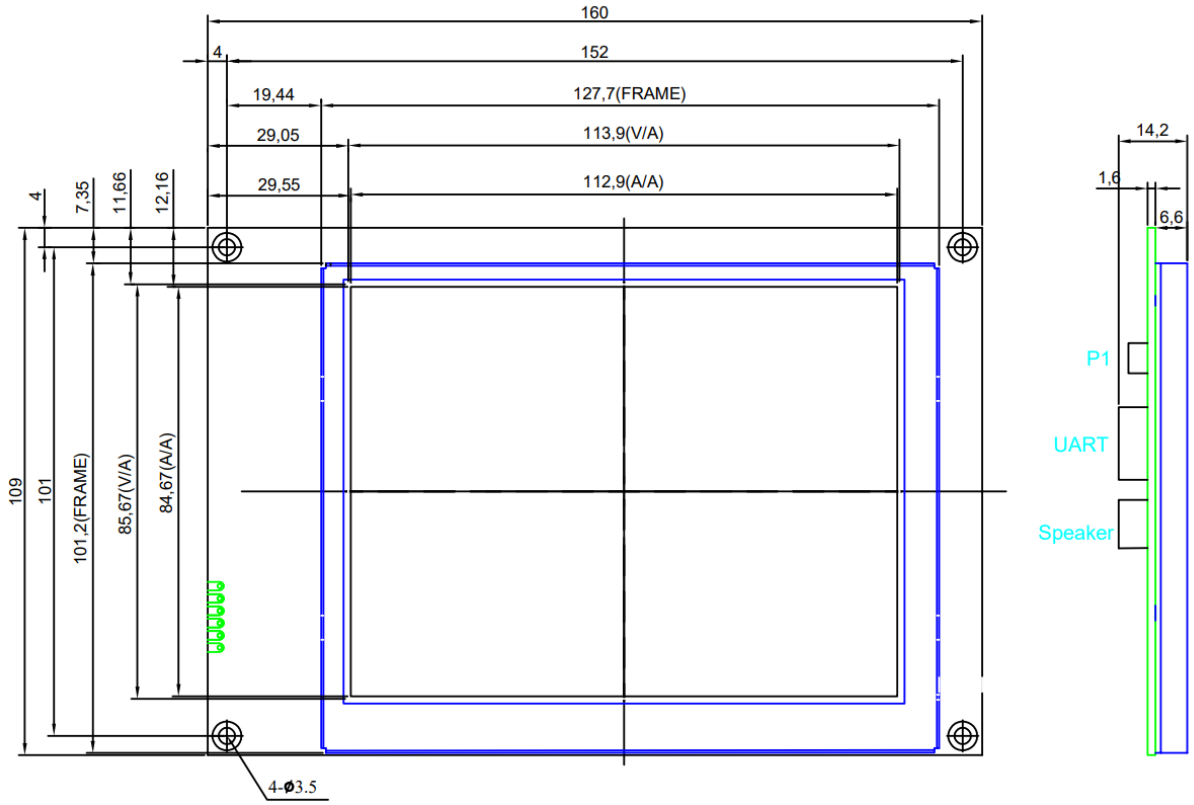
● Reliability Parameter

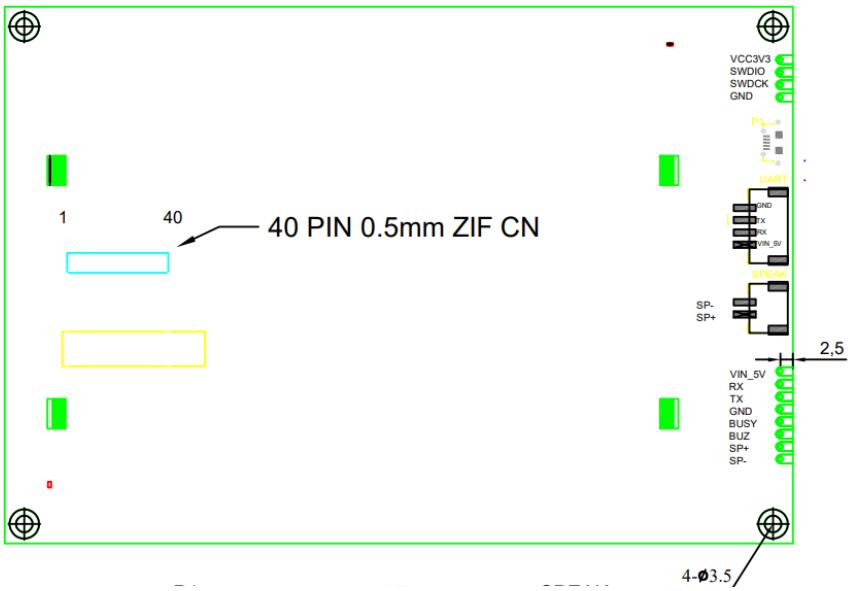
	Test Conditional	Min	Typical	Max	Unit
Operating Temperature	5V · Humidity 60%	-20	25	70	℃
Storage Temperature		-30	25	80	℃
Humidity	25℃	10%	60%	90%	RH

● Interface Performance

	Test Conditional	Min	Typaicl	Max	Unit
Baudrate		1200	9600	115200	bps
Output High Voltage (TXD)	High	3.0	3.3	3.6	V
Output Low Voltage (TXD)	Low	-	0.1	0.2	V
Input High Voltagel (RXD)	High	2.1	3.3	3.6	V
Input Low Voltage (RXD)	Low	-0.2	0.0	1.0	V
Serial Port	3.3V TTL				
Mode	8,1,None				
Connector	4Pin, Pitch 2.5mm				
FLASH ROM	128M Byte				
RTC	Built-in RTC（Battery type: CR1220）				
Audio	WAV				
Video					

● Drawing





P1

PIN NO.	SYMBOL
1	VBUS
2	D-
3	D+
4	GND
5	GND

UART

PIN NO.	SYMBOL
1	VBUS
2	RX
3	TX
4	GND

SPEAK

PIN NO.	SYMBOL
1	SPK+
2	SPK-