

F

E

D

C

B

A

F

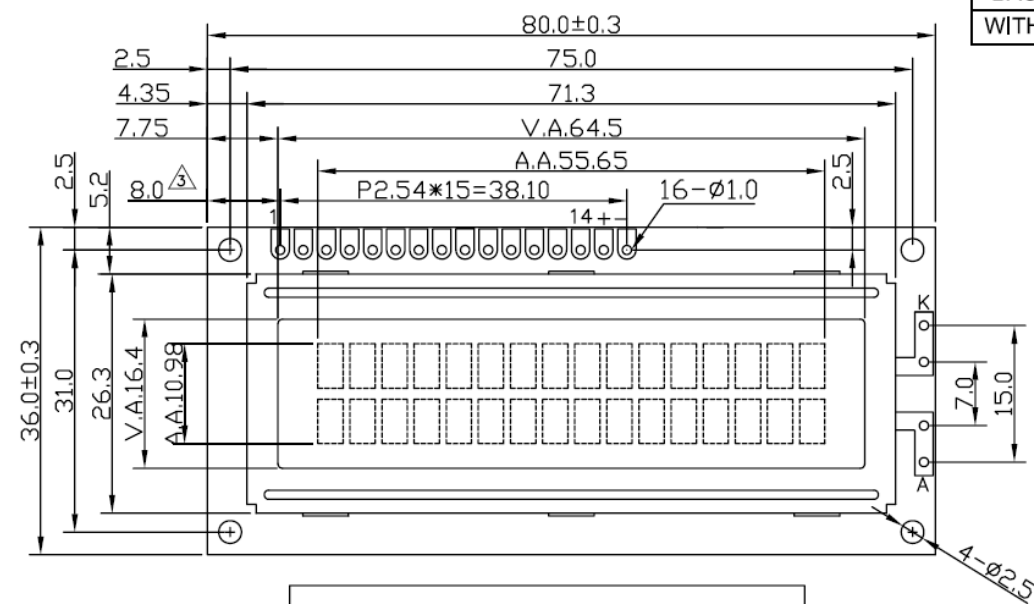
E

D

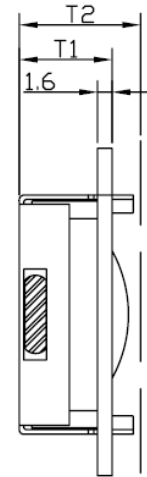
C

B

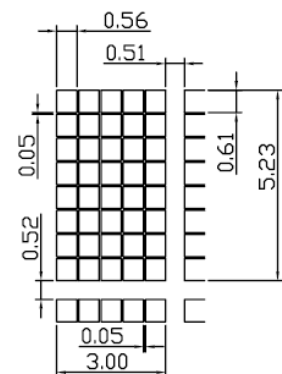
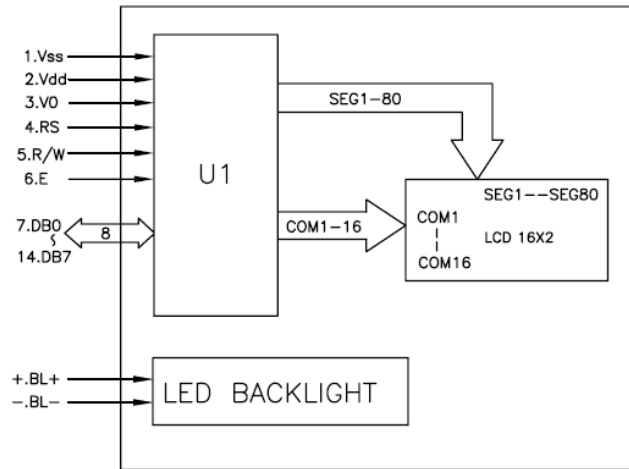
A



ITEM	T1	T2
BACKLIGHT	10.2	13.0
WITHOUT BL	6.2	9.0



PIN	SYMBOL
-	BL-
+	BL+
14	DB7
13	DB6
12	DB5
11	DB4
10	DB3
9	DB2
8	DB1
7	DB0
6	E
5	R/W
4	RS
3	V0
2	VDD(5V)
1	VSS



DISPLAY PATTEN

ITEM	SELECTABLE CONTENTS
DISPLAY MODE	STN YELLOW MODE
	STN GRAY MODE
	STN BLUE MODE
	FSTN
POLARIZER TYPE	REFLECTIVE
	TRANSFLECTIVE
	TRANSMISSIVE, POSITIVE
	TRANSMISSIVE, NEGATIVE
VIEWING DIRECTION	6 O'CLOCK
	12 O'CLOCK
LED BACKLIGHT	WHITE
	Y-G
	RED
	GREEN
	BLUE
	AMBER
TEMPERATURE RANGE	STANDARD TEMPERATURE
	WIDE TEMPERATURE
CHARACTER PATTERNS	ENGLISH-JAPANESE FONTS
	ENGLISH-EUROPEAN FONTS
	ENGLISH-RUSSIAN FONTS
	CYRILLIC FONTS
	HEBREW FONTS
OPERATING VOLTAGE	5V
LCD DRIVING VOLTAGE	3.8V $\Delta$
LCD DRIVE METHOD	1/16 DUTY 1/5 BIAS
LCD DRIVE IC	SPLC780D1

**NOTE:**  
 1.The backlight can be driven by pin +,pin - or pin1,pin2 which is selectable.  
 2.The voltage of backlight is depended on the backlight color and the value of current-limiting resistance.  
 3.The operating voltage can be driven by 3.3v which is selectable.

Date	Revision	Note
10.7.21	C	Add dimension: pin1 to PCB left border

THE PART NUMBER IN MASS PRODUCTION	
1.GRAY OR Y-G STN,TRANSFLECTIVE LCD;Y-G BACKLIGHT;6 O'CLOCK OR 12 O'CLOCK;	
2.FSTN,TRANSFLECTIVE LCD;WHITE BACKLIGHT;6 O'CLOCK OR 12 O'CLOCK;	
3.GRAY STN,TRANSFLECTIVE LCD;WHITE BACKLIGHT;6 O'CLOCK;	
4.Y-G STN,TRANSMISSIVE LCD;Y-G BACKLIGHT;6 O'CLOCK;	
5.BLUE STN,TRANSMISSIVE NEGATIVE LCD;WHITE BACKLIGHT;6 O'CLOCK;	
6.GRAY OR Y-G STN,REFLECTIVE LCD;WITHOUT BACKLIGHT;6 O'CLOCK OR 12 O'CLOCK;	

UNIT	TOLERANCE
MM	X.X = ±0.2
3RD ANGLE	X.XX = ±0.10
	ANG = -
SCALE:	1:1
DRAWN:	
CHECKED:	
APPROVED:	

<b>KEYESTUDIO</b>	
robotics and open source hardware manufacturer	
TITLE: <i>LCD</i>	
MODEL NO: <i>LCD1602-SERIES</i>	REV C
PART NO:	SH NO 1/1