BOLYMIN

BP240160C

Feature

1. FSTN LCD, TAB IC and PCB package
2. LCD driver only (Recommending SED1335 controller)
3. +3V ~ +5V single power supply,
4. 1/160 duty cycle
5. Option: LED edge B/L, EL B/L , EL inverter
6. Option: Touch panel
7. Option: built-in positive voltage for LCD driving

<LED Version>

<EL Version>

Mechanical Data

Item	Standard Value	Unit
Module Dimension	88.2 x 59.0	mm
Viewing Area	67.6 x 47.5	mm
Dot Size	0.225 x 0.225	mm
Dot Pitch	0.24 x 0.24	mm

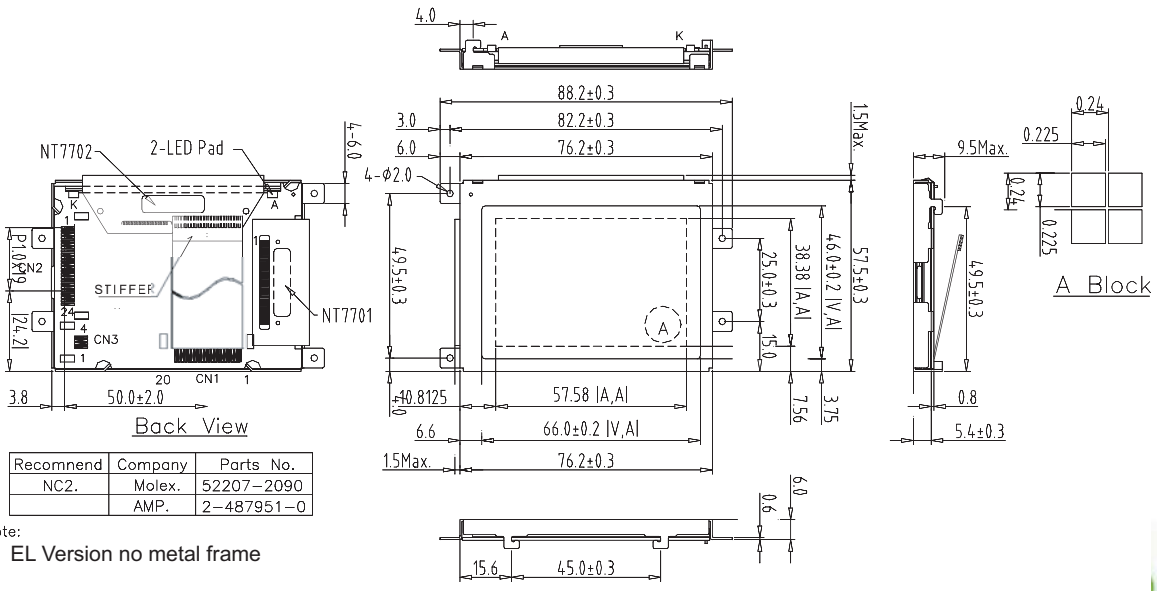
Pin Assignment

Pin	Symbol	Function
1~4	D0~D3	Data bus line
5	/DISPOFF	Display off control
6	FLM	First Line Marker
7	NC	No connection
8	LP	Data latch clock
9	CP	Data shift clock
10	Vdd	Power supply (+3V ~ +5V)
11	Vss	Power supply (GND)
12	Vlcd	Positive voltage output (+27V)
13	Vadj	Contrast adjustment (Vadj - Vss)
14	LED/EL_on	LED/EL on/off signal (H: on L: off)
15	Y1	Touch panel upper signal (Y axis)
16	X1	Touch panel right signal (X axis)
17	Y2	Touch panel lower signal (Y axis)
18	X2	Touch panel left signal (X axis)
19~20	BL1- BL2	Power supply for LED & EL B/L (when EL inverter not built-in)

Electronic Characteristics

Item	Symbol	Condition	Typical Value	Unit
Input Voltage	Vdd	Vdd = +5V	5.0	V
Supply Current	Idd	Vdd = +5V	48	mA
LCD Driving Voltage	Vadj-Vss	25°C	19.5	V
Built-in EL Inverter Supply Current	Iel	Vel=+5V	100	mA

Dimension



Recomnend	Company	Parts No.
NC2.	Molex.	52207-2090
	AMP.	2-487951-0

Note:
EL Version no metal frame