

(2) CN 2(Backlight)

Backlight-side connector: SM06B-SHLS-TF (JST)

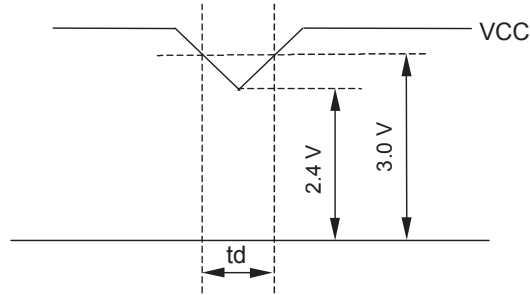
Corresponding connector: SHLP-06V-S-B (JST)

Pin No.	Symbol	Function
1	NC	This pin should be open.
2	NC	This pin should be open.
3	LED C 1	LED cathode 1
4	LED A 1	LED anode 1
5	LED A 2	LED anode 2
6	LED C 2	LED cathode 2

VCC-dip conditions:

- 1) When $2.4\text{ V} \leq VCC < 3.0\text{ V}$, $t_d \leq 10\text{ ms}$
- 2) When $VCC < 2.4\text{ V}$

VCC-dip conditions should also follow the power and signals sequence.



*2) $VCC = + 3.3\text{ V}$, $f_H=31.5\text{kHz}$, $f_V=60\text{Hz}$, $f_{CLK}= 25\text{MHz}$

Display image at typical power supply current value is 64-gray-bar pattern (6 bit), 480 line mode.

*3) Fuse

Parameter	Fuse Type Name	Supplier	Remark
VCC	FCC16162AB	Kamaya Electric Co., Ltd.	*)

*) The power supply capacity should be designed to be more than the fusing current.

(2) Backlight

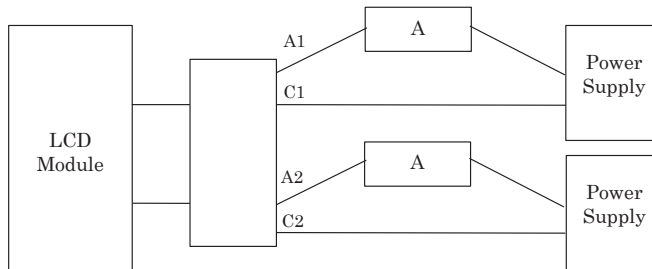
ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT	Remarks
LED Voltage	VF	--	(27)	35.1	V	IF = 120 mA, Ta = 25°C
		--	--	36.4	V	IF = 120 mA, Ta = 0°C
		--	--	37.3	V	IF = 120 mA, Ta = -20°C
LED Current	IF	--	120	150	mA	*1), *3)
LED Life Time	LT	60,000	--	--	h	IF = 120 mA, Ta = 25°C *4), *5), Continuous operation

[Note]

*1) Constant Current Drive

*2) The Voltage deviation between strings: $|V_{F1} - V_{F2}| \leq 4\text{V}$

*3) LED Current measurement method



*4) LED life time is defined as the time when the brightness becomes 50% of the initial value.

*5) The life time of the backlight depends on the ambient temperature. The life time will decrease under high temperature.