



### 3. Input specification

CN1 : S14B-PH-SM3-TB(JST)

No	Signal Name	Feature
1	V <sub>DD</sub>	+24V
2	V <sub>DD</sub>	+24V
3	V <sub>DD</sub>	+24V
4	V <sub>DD</sub>	+24V
5	V <sub>DD</sub>	+24V
6	GND	GND
7	GND	GND
8	GND	GND
9	GND	GND
10	GND	GND
11	Analog Dim	External Analog Dimming Control
12	BL On/Off	On/Off Control
13	PWM Dim	External PWM Dimming Control
14	NC	No Connecting Pin / NC Only

CN2 : S10B-PH-SM3-TB(JST)

No	Signal Name	Feature
1	V <sub>DD</sub>	+24V
2	V <sub>DD</sub>	+24V
3	V <sub>DD</sub>	+24V
4	V <sub>DD</sub>	+24V
5	V <sub>DD</sub>	+24V
6	GND	GND
7	GND	GND
8	GND	GND
9	GND	GND
10	GND	GND

CN3 : S2B-ZR-SM3A-TF(JST)

No	Signal Name	Feature
1	InvSync	Inverter Synchronizing Signal Synchronizing with working frequency
2	GND	GND

### 3-3 Input Timing Specifications

This is the signal timing required at the input of the User connector. All of the interface signal timing should be satisfied with the following specifications for its proper operation.

#### Timing Table

##### (1) DE mode

Frame Rate = 60 Hz

Signal	Item	Symbol	Min.	Typ.	Max.	Unit
Vertical Section	Period	TV	1088	1130	1200	Th
	Active	Tdisp(V)	1080	1080	1080	Th
	Blanking	Tblk(V)	8	50	120	Th
Horizontal Section	Period	Th	1000	1100	1180	Tclk
	Active	Tdisp(h)	960	960	960	Tclk
	Blanking	Tblk(h)	40	140	220	Tclk
	Period	Tclk	15.32		11.76	ns
Clock	Frequency	Freq	65.28		85	MHz