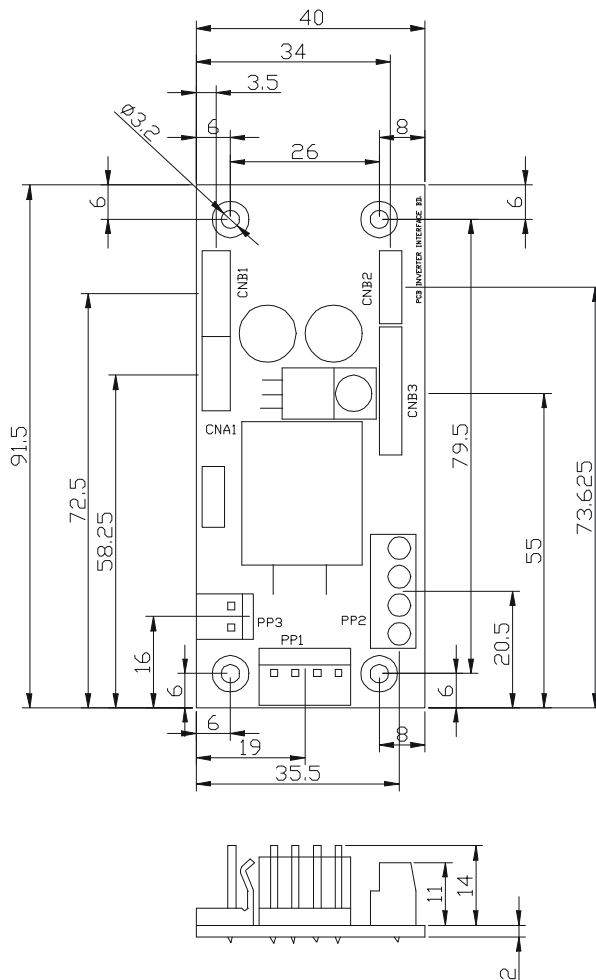
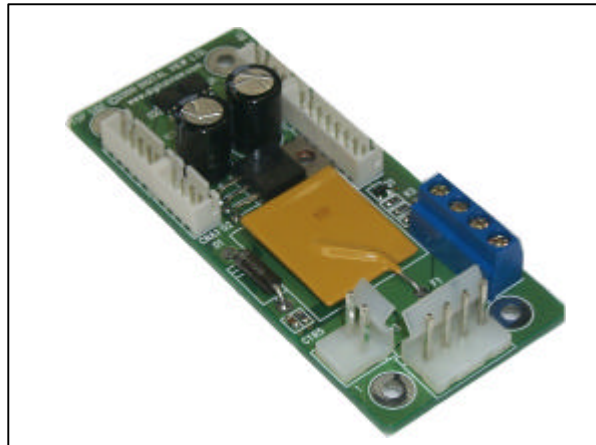


Inverter Interface Board

The Inverter interface board provides interface to drive up the high current consumption panel inverter. It provides over-voltage protection when the voltage exceed 13V and reverse polarity protection. It mounts with resettable fuse (8.0A) to avoid overloading.



Connector Type :

CNA1, CNB2 : JST 4 ways, B4B-XH-A

CNB1 : JST 5 ways, B5B-XH-A

CNB3 : JST 8 ways, B8B-XH-A

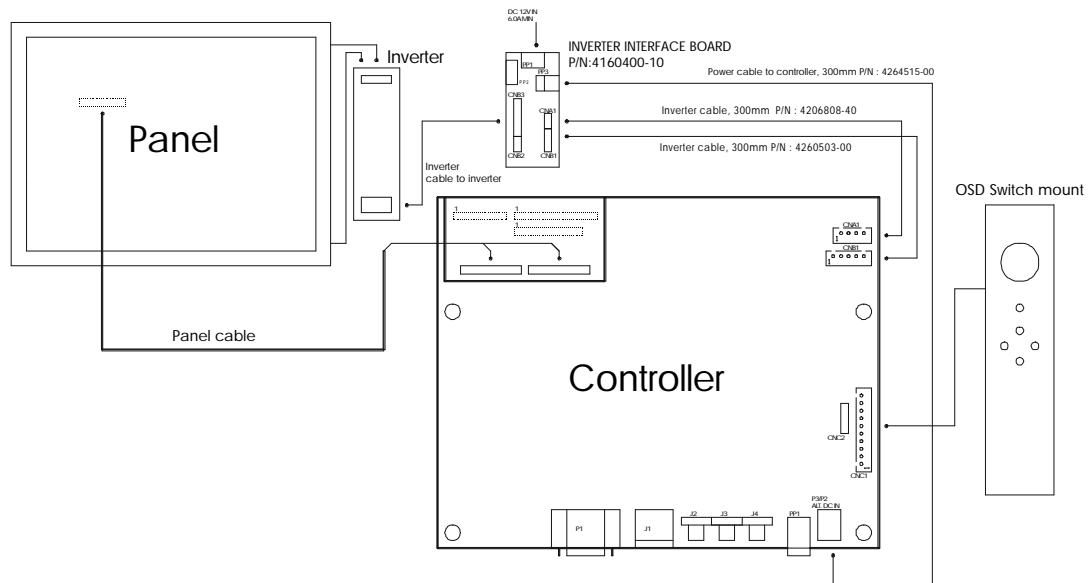
PP1 : PWR 4 way

PP2 : Terminal Block 2 poles x 2

PP3 : PWR 2 ways

Inverter Interface Board

Illustrated Diagram



PP1 - 12VDC power supply – input, Power header 4 ways 0.156” pitch

PIN	DESCRIPTION
1	+12VDC
2	+12VDC
3	Ground
4	Ground

PP2 – Alternate 12VDC power supply – input, Terminal Block 2 poles

PIN	DESCRIPTION
1	+12VDC
2	+12VDC
3	Ground
4	Ground

PP3 – 12VDC power supply to controller – Output, Power header 2 ways, 0.156” pitch

PIN	DESCRIPTION
1	+12VDC
2	Ground

CNA1 - Inverter interface to controller, JST B4B-XH-A

PIN	SYMBOL	DESCRIPTION
1	NC	No connection
2	AUX_GND	Ground
3	AUX_GND	Ground
4	AUX_Vcc	+5V DC, 500mA max

CNB1 – Inverter interface to controller, JST B5B-XH-A

PIN	SYMBOL	DESCRIPTION
1	GND	Ground
2	BL_ON	Backlight power
3	BLCTRL	Backlight on/off control signal
4	BVR_WIP	Backlight brightness VR pin WIP
5	BVR_A	Backlight brightness VR pin A

Inverter Interface Board

CNB2 – Inverter interface to backlight inverter, JST B4B-XH-A

PIN	SYMBOL	DESCRIPTION
1	VLCD12	Panel power
2	AUX_GND	Ground
3	AUX_GND	Ground
4	AUX Vcc	+5V DC, 500mA max

CNB3 – Inverter interface to backlight inverter, JST B8B-XH-A

PIN	SYMBOL	DESCRIPTION
1	VLCD12	Panel power
2	VLCD12	Panel power
3	GND	Ground
4	GND	Ground
5	VLCD12	Panel power
6	BLCTRL	Backlight on/off control signal
7	BVR_WIP	Backlight brightness VR pin WIP
8	BVR_A	Backlight brightness VR pin A