XLB Lamp Driver Interface

Connector Type: 15 pin D-sub Female

(Refer to Figure 2, XLBS Interface Schematic)

Pin #	Pin Name	Functional Voltage Level	Description
1	**Lamp On/Off** (input)	High = RUN = +5V to +15V Low = OFF = 0V	The **Lamp On/Off** function is the control function which turns the lamp on and off. When the lamp is turned on, a trigger and boost sequence will ignite the lamp and deliver current as programmed via **Iprogram(+)**, Pin 7.
3	**Interlock** (input)	Open = OFF Connect to GND = RUN	The **Interlock** function can be connected to external interlock switches such as door or overtemp switches.
4	GND		Referred to (-) output of power supply.
5	**Vout Monitor**: (output)	0 – 10V = 0 – 35V	The output voltage of the supply can be monitored by **Vout Monitor**.
6	**Iout Monitor** (output)	0 – 10V = 0 – $Iout_{max}$	The output current of the supply can be monitored by **Iout Monitor**.
7	**Iprogram(+)**: (input)	0 – 10V = 0 – $Iout_{max}$	The power supply output current is set by applying a 0-10V analog signal to **Iprogram(+)**.
8	**Lamp Status**	High = Lamp Off = 15V Low = Lamp On = 0V	The status of the lamp is monitored by **Lamp Status**
9	GND		Referred to (-) output of the power supply.
13, 14	**+15V@200mA**		+15V Auxiliary output. Maximum current available is 200mA
15	GND		Referred to (-) output of the power supply.

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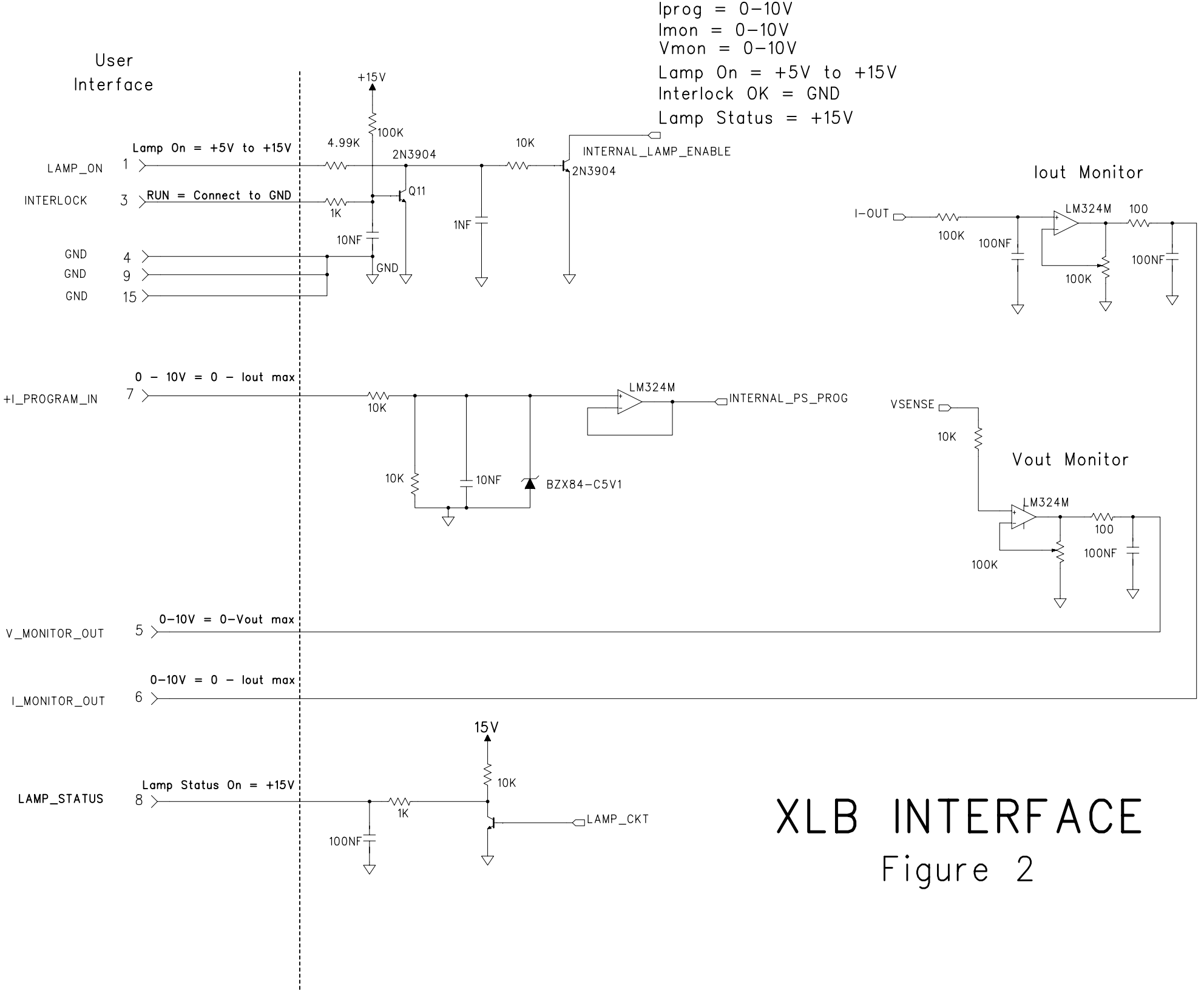
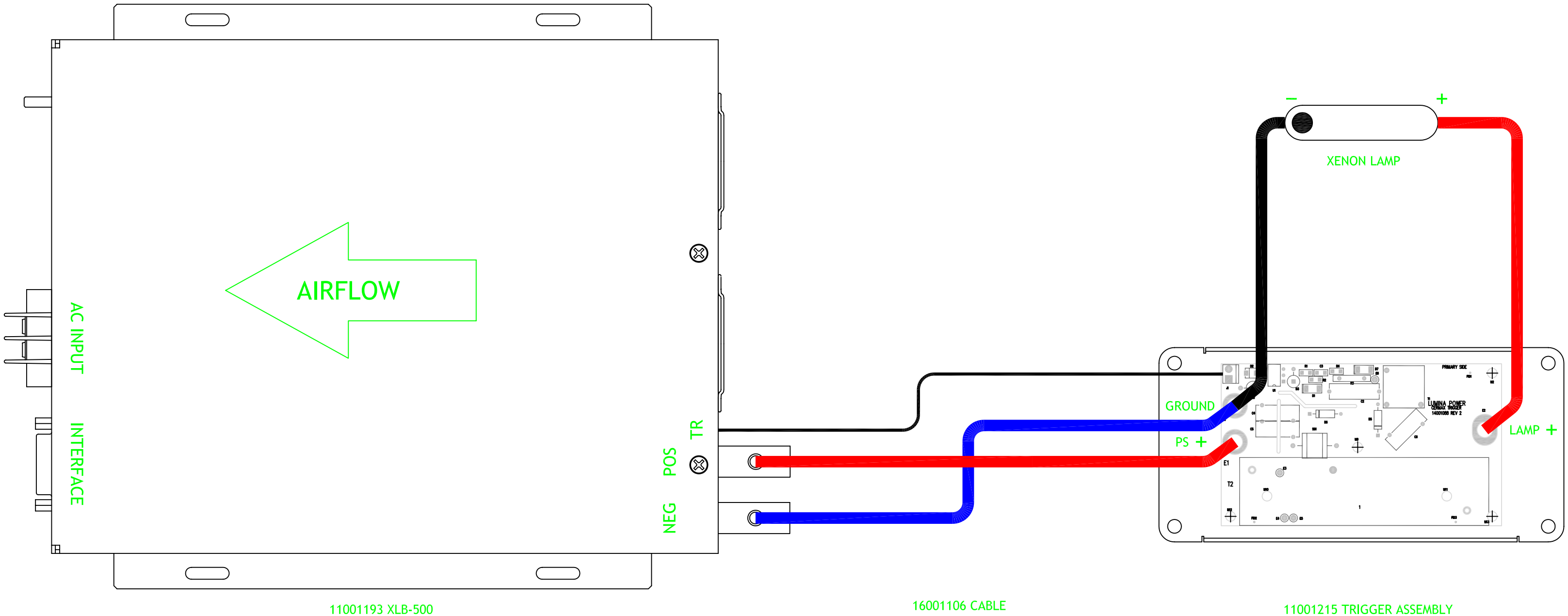


XLB INTERFACE

Figure 2



11001193 XLB-500/1000 INTERCONNECTION DIAGRAM