CONNECTION	SIGNAL	DESCRIPTION
J1 +	PWR	This pin should be connected to the positive output of the driver power source. The maximum applied voltage should not exceed +50 VDC.
J1 -	GND	This pin should be connected to the negative output of the driver power source.
J4 +	CMD1	The command for Solenoid –1 should be connected to this pin. This input is TTL / CMOS compatible. However, this input must not exceed the voltage applied to J1 +.
J4 -	GND	This pin may be used as the return for CMD1.
J6 +	CMD2	The command for Solenoid -2 should be connected to this pin. This input is TTL / CMOS compatible. However, this input must not exceed the voltage applied to J1 +.
J6 -	GND	This pin may be used as the return for CMD2.
J2 +	PWR	This pin should be connected to one terminal of Solenoid-1.
J2 -	SOL1	This pin should be connected to the other terminal of Solenoid-1
J3 +	PWR	This pin should be connected to one terminal of Solenoid-2.
J3 -	SOL2	This pin should be connected to the other terminal of Solenoid-2.
JP1-6	GND	This pin may be used as the return for serial communications.
JP1-7	TXD	The transmit pin to the micro-controller. The level is zero to +5 VDC.
JP1-8	RXD	The receive pin from the micro-controller. The level should be zero to +5 VDC.

SCSD-01 and SCSD-02 Pin Assignment and Description

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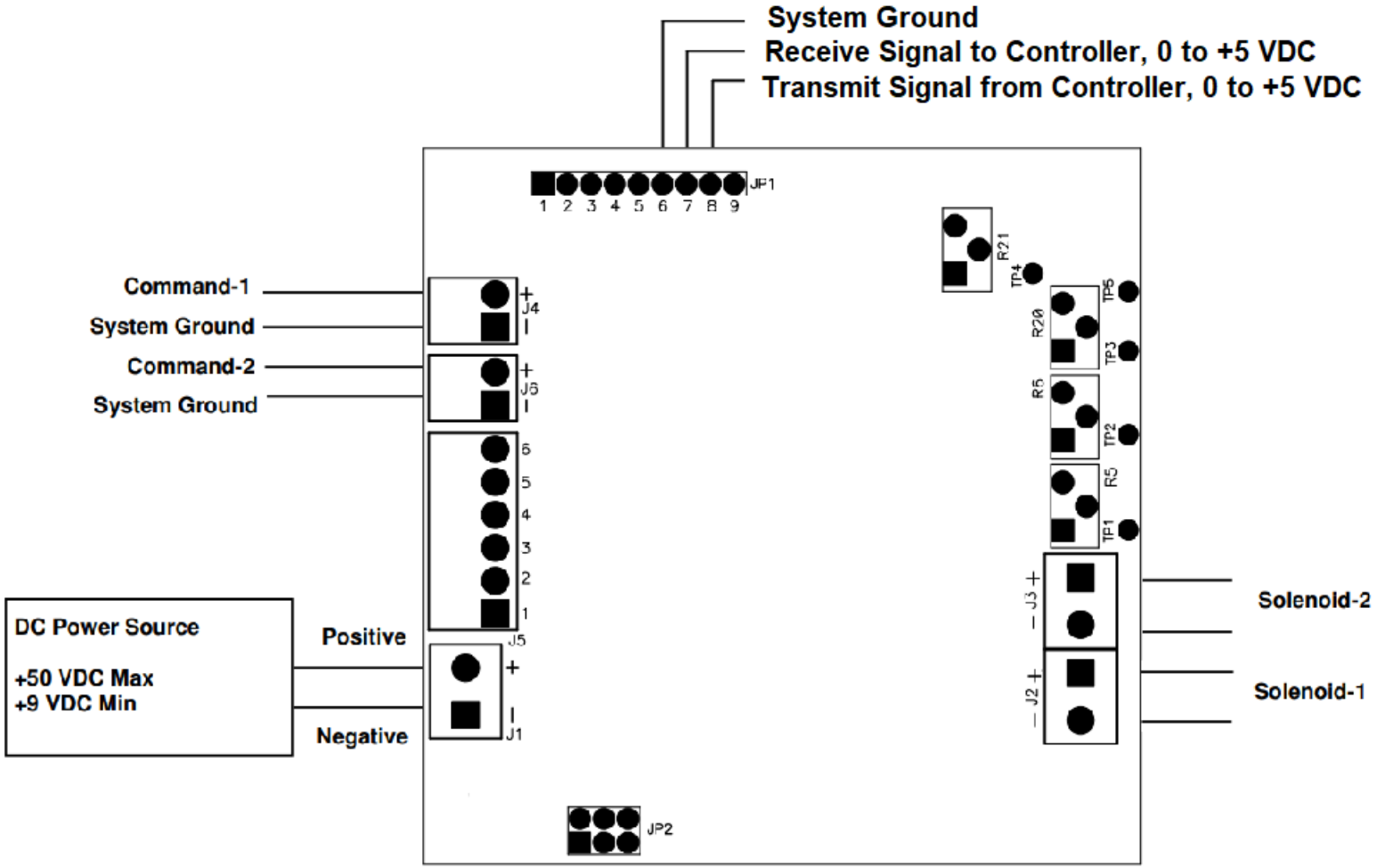
Warning:

Handling the Serially Controlled Solenoid Driver module shall be performed in a static safe environment while a ground strap is used. Damages arising due to not observing the static pre-cautions shall void the limited ninety-day warranty.



Serially Controlled Solenoid Driver Wiring Diagram

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Limitation of Liability

Optimal Engineering Systems, Inc. (OES) hardware and software are not intended for use in any manner where human life or safety is at risk. OES' products are not intended for life support equipment.

In no event shall Optimal Engineering Systems, Inc. be liable to any customer for costs or damages, including lost profits, lost savings or other incidental or consequential damages arising out of the use or inability to use such products even if Optimal Engineering Systems, Inc. or an authorized Optimal Engineering Systems, Inc. representative has been advised of the possibility of such damages, or for any claim by any other party. In any event, Optimal Engineering Systems liability arising in any manner in connection with the products, whether based in contract, product liability or tort, shall not exceed the purchase price of the product.

Limited Ninety-Day Warranty

Optimal Engineering Systems, Inc. warrants to the original purchaser that this product to be free from defects in material or workmanship for a period of ninety days from date of purchase. Optimal Engineering Systems, Inc. agrees to repair any such defect or exchange the product with a new or equal replacement. Defective product must be returned to Optimal Engineering Systems, Inc. postpaid. This warranty is void for any product that has been modified by the customer in any way. If failure of the Product has resulted from accident, abuse, or miss-application, Optimal Engineering Systems, Inc. shall have no responsibility under this Ninety-day Warranty.

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