

Two-axis Analog Joystick Interface, JOY2- 01- 01

25-pin DB-25, Male Connector

Cable Length = 5.5 ft (168 cm)

PIN	NAME	DESCRIPTION
1	ANALOG-X	Analog-X, Wiper of 5 KOhm Potentiometer
2	ANALOG-Y	Analog-Y, Wiper of 5 KOhm Potentiometer
3	HIGH-SPEED	Upper Right Hand Switch, Normally Open
4	MEDIUM-SPEED	Middle Right Hand Switch, Normally Open
5	LOW-SPEED	Lower Right Hand Switch, Normally Open
6	Z-SELECT	Lower Left Hand Switch, Normally Open
7		Not Connected
8		Not Connected
9		Not Connected
10		Not Connected
11		Not Connected
12		Not Connected
13		Not Connected
14		Not Connected
15		Not Connected
16	GND	System Ground
17	GND	System Ground
18	GND	System Ground
19	+5 VDC	+5 VDC
20	+5 VDC	+5 VDC
21	+5 VDC	+5 VDC
22		Not Connected
23		Not Connected
24		Not Connected



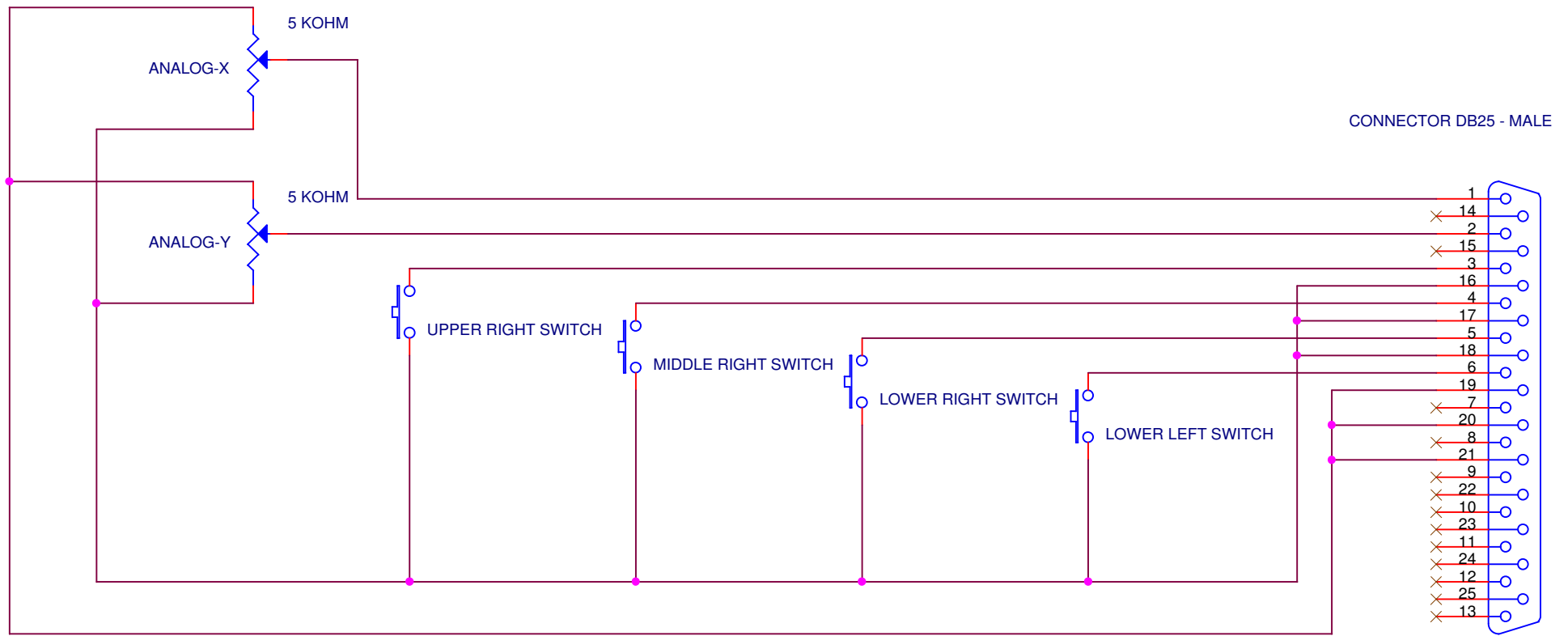
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JOY-2-01 CONNECTION DIAGRAM

http://www.oesincorp.com/two_axis_joystick.htm

- 4) The maximum deflection voltage is about +/- 20% of the voltage applied to pins 19, 20 and 21 respect to 16, 17 and 18 for ANALOG-X and ANALOG-Y.
- 3) The center voltage is about half of the of the voltage applied to pins 19, 20 and 21 respect to 16, 17 and 18 for ANALOG-Y. This voltage decreases when the joystick is tilted to the up.
- 2) The center voltage is about half of the of the voltage applied to pins 19, 20 and 21 respect to 16, 17 and 18 for ANALOG-X. This voltage decreases when the joystick is tilted to the right.
- 1) The switches are normally open.

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