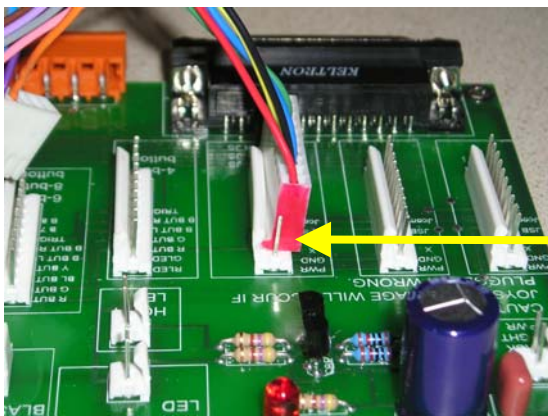




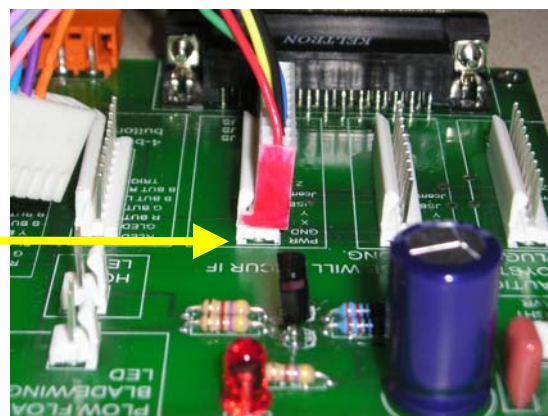
<b>TECH NOTE:</b>	<b>06-001</b>
<b>TITLE:</b>	<b>Joystick Plug Alignment</b>
<b>DATE:</b>	<b>01/04/06</b>
<b>REVISION:</b>	<b>1.0</b>

**Purpose:** This document highlights the care that must be taken when installing a *Uni-Grip*™, *Multi-Stix*™ or *Black Tip*™ joystick. In-correct plug orientation can damage the internal joystick sensors and render the joystick useless. **Joystick replacement must be completed with system power off.**

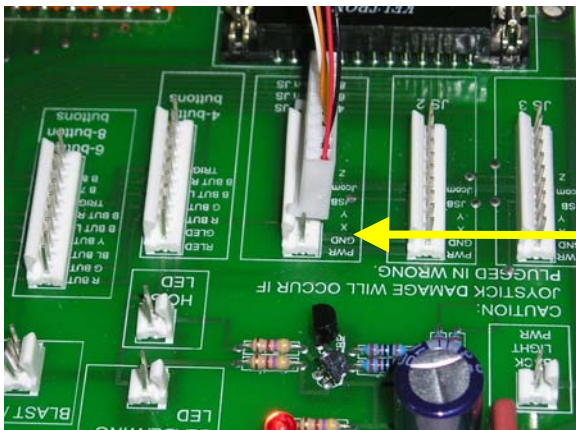
**Detail:** All joysticks are plugged into the joystick interconnection PC board located directly below the joystick. Each joystick has white female connectors which must be oriented properly when plugging into the male pins on the PCB. Note that each connector has orientation tabs on each end to allow the female portion to fit over the top of the male pins. When correctly installed, the female connector covers all 10 male pins on the PC board. Installation force should be gentle and the connector must snap into place, but not be forced on. Joystick connectors are plugged into the male connector location depending upon the system part #. Please refer to your operations manual for the correct “plug to connector” location.



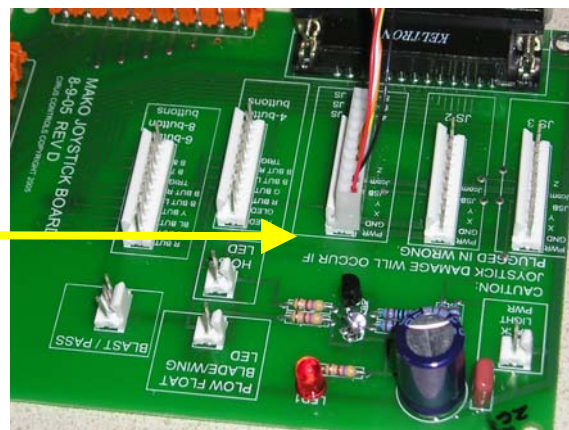
**Incorrect orientation Uni-Grip - exposed pin**



**Correct orientation Uni-Grip- covered pins**



**Incorrect orientation - Multi-Stix - exposed pin**



**Correct orientation - Multi-Stix - covered pins**