

MST-0421

MWA ASC PCB

Test: Resistance check

Serial number:	002
Tester:	Julian Schneider
Date:	14 Dec 2010

Test procedure

1. Confirm:
 - R33 removed from each channel - yes*
2. Resistance Check:
 - On P100 pin 1 (or 2) to pin 3 (or 4) $\approx 3.72 M \Omega$ not shorted*
 - On each channel R41 to GND \approx Ω not shorted*
 - channel 1 - R41 to GND $\approx 50.2 k \Omega$ not shorted*
 - channel 2 - R41 to GND $\approx 49.7 k \Omega$ not shorted*
 - channel 3 - R41 to GND $\approx 49.2 k \Omega$ not shorted*
 - channel 4 - R41 to GND $\approx 49.4 k \Omega$ not shorted*
 - channel 5 - R41 to GND $\approx 49.1 k \Omega$ not shorted*
 - channel 6 - R41 to GND $\approx 49.3 k \Omega$ not shorted*
 - channel 7 - R41 to GND $\approx 49.4 k \Omega$ not shorted*
 - channel 8 - R41 to GND $\approx 49.6 k \Omega$ not shorted*
 - On each channel R47 to GND $\approx 4.5 \Omega$ not shorted (for all)*
3. Visually Check on each channel:
 - 9V & 5V rails are not shorted by optional 0R installation*
 - (Only one of R7/R8 & R14/R15 resistors should be installed.)*

<i>Channel 1</i>	<i>R7</i>	<input type="checkbox"/>	<i>R8</i>	<input type="checkbox"/>	<i>R14</i>	<input checked="" type="checkbox"/>	<i>R15</i>	<input type="checkbox"/>
<i>Channel 2</i>	<i>R7</i>	<input type="checkbox"/>	<i>R8</i>	<input type="checkbox"/>	<i>R14</i>	<input checked="" type="checkbox"/>	<i>R15</i>	<input type="checkbox"/>
<i>Channel 3</i>	<i>R7</i>	<input type="checkbox"/>	<i>R8</i>	<input type="checkbox"/>	<i>R14</i>	<input checked="" type="checkbox"/>	<i>R15</i>	<input type="checkbox"/>
<i>Channel 4</i>	<i>R7</i>	<input type="checkbox"/>	<i>R8</i>	<input type="checkbox"/>	<i>R14</i>	<input checked="" type="checkbox"/>	<i>R15</i>	<input type="checkbox"/>
<i>Channel 5</i>	<i>R7</i>	<input type="checkbox"/>	<i>R8</i>	<input type="checkbox"/>	<i>R14</i>	<input checked="" type="checkbox"/>	<i>R15</i>	<input type="checkbox"/>
<i>Channel 6</i>	<i>R7</i>	<input type="checkbox"/>	<i>R8</i>	<input type="checkbox"/>	<i>R14</i>	<input checked="" type="checkbox"/>	<i>R15</i>	<input type="checkbox"/>
<i>Channel 7</i>	<i>R7</i>	<input type="checkbox"/>	<i>R8</i>	<input type="checkbox"/>	<i>R14</i>	<input checked="" type="checkbox"/>	<i>R15</i>	<input type="checkbox"/>
<i>Channel 8</i>	<i>R7</i>	<input type="checkbox"/>	<i>R8</i>	<input type="checkbox"/>	<i>R14</i>	<input checked="" type="checkbox"/>	<i>R15</i>	<input type="checkbox"/>

Comments

Additional resistance checks are available for debugging but are not envisaged as necessary for normal production.