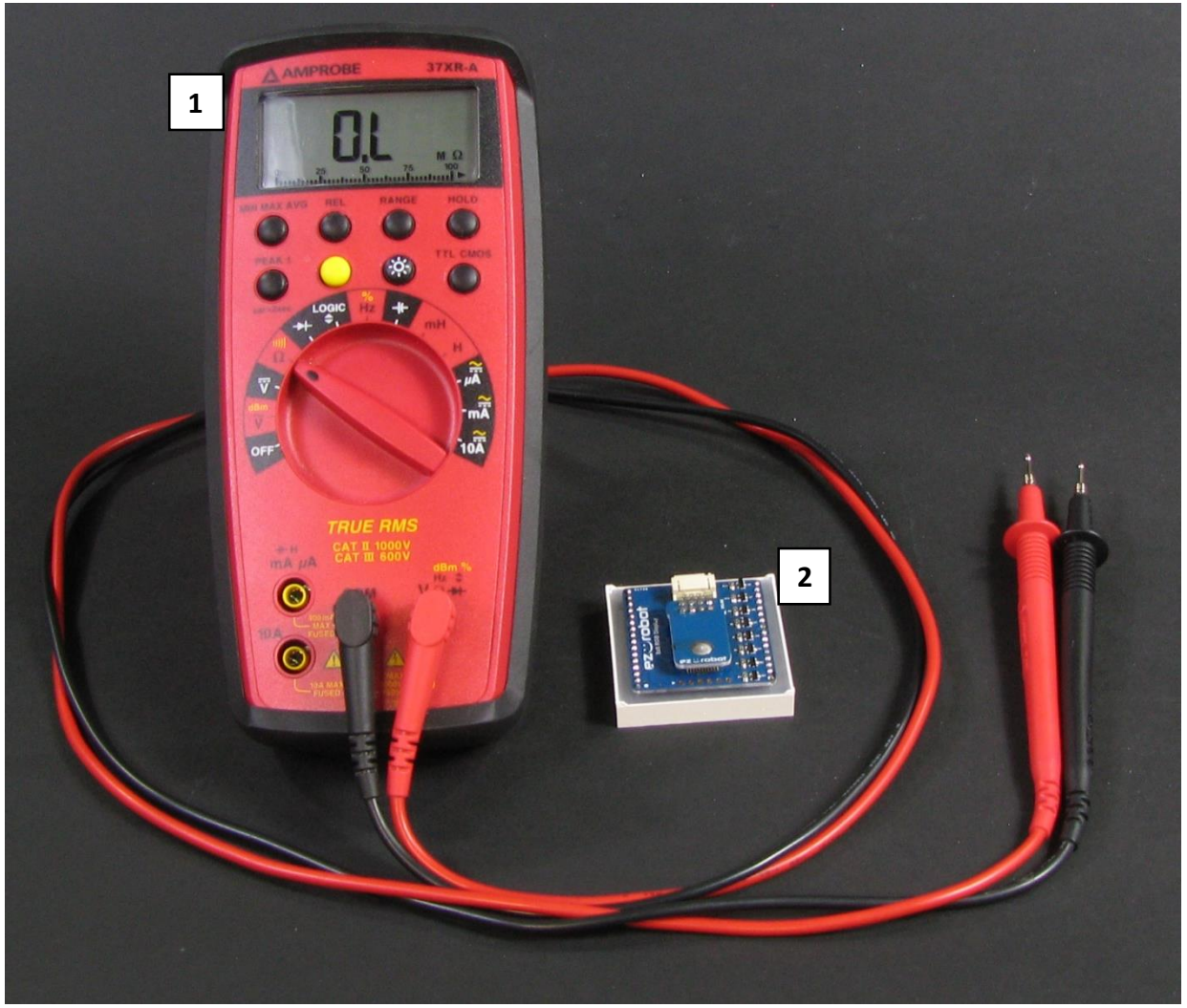
SYNTHIAM

Electronic Test Instructions

E-19 RGB 8x8 Display Short Circuit Test



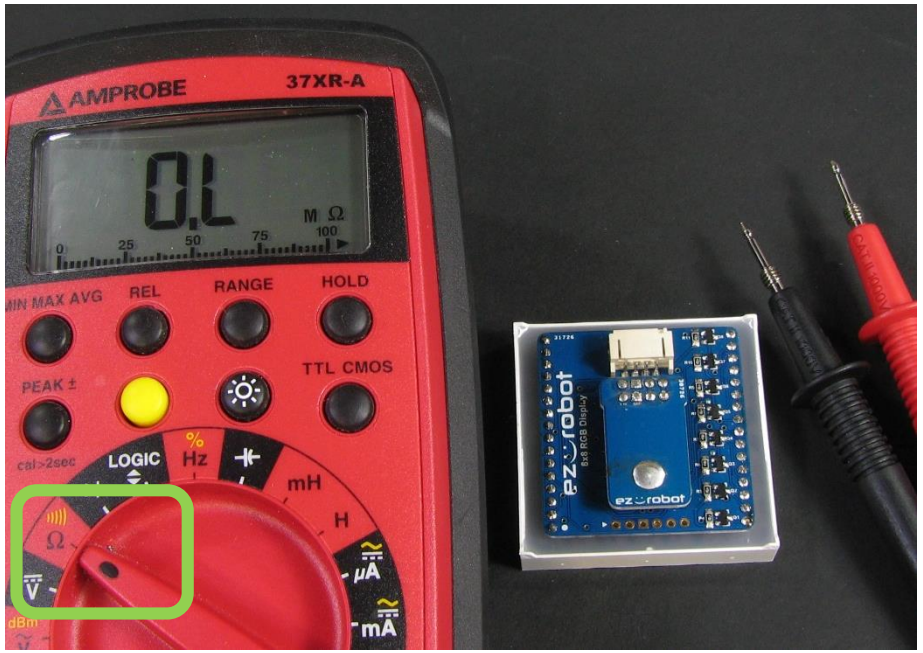
PARTS & TOOLS

#	Part #	Name	Qty
1	N/A	Ohmmeter	1
2	E-19	RGB 8x8 Display	1

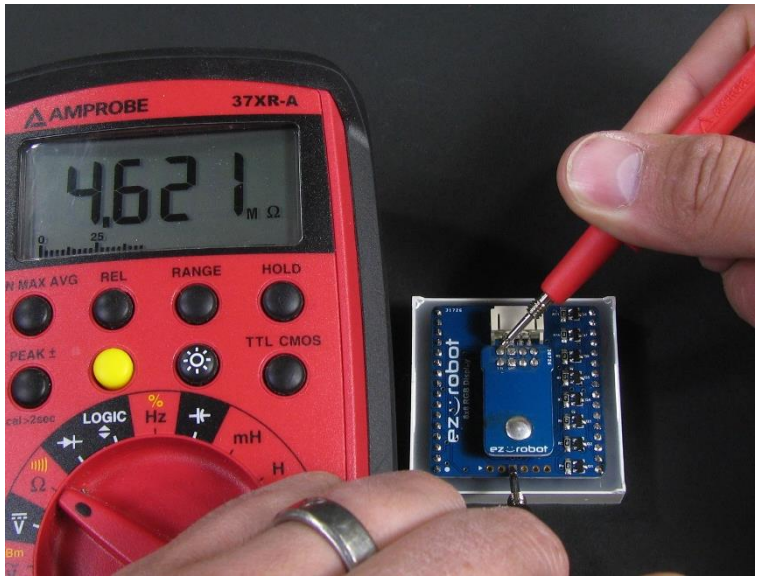
Test Summary: This is a test for the solder joints on the E-19 RGB 8x8 Display and must be done for every unit

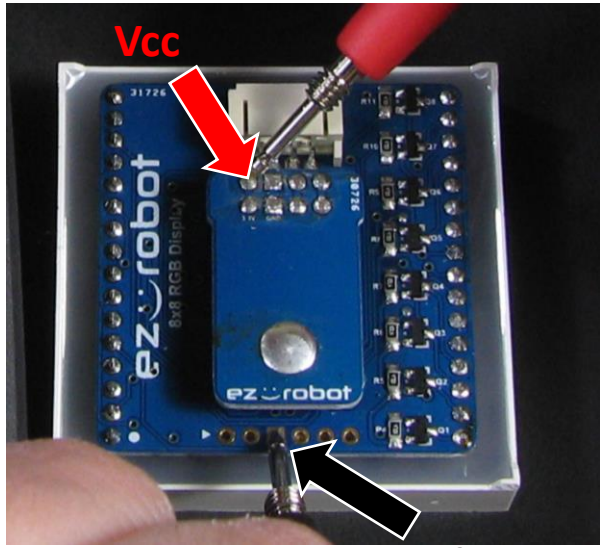
IMPORTANT

This test must be done before any power is applied to the E-19



Step 1. Place Multimeter on Ohms setting





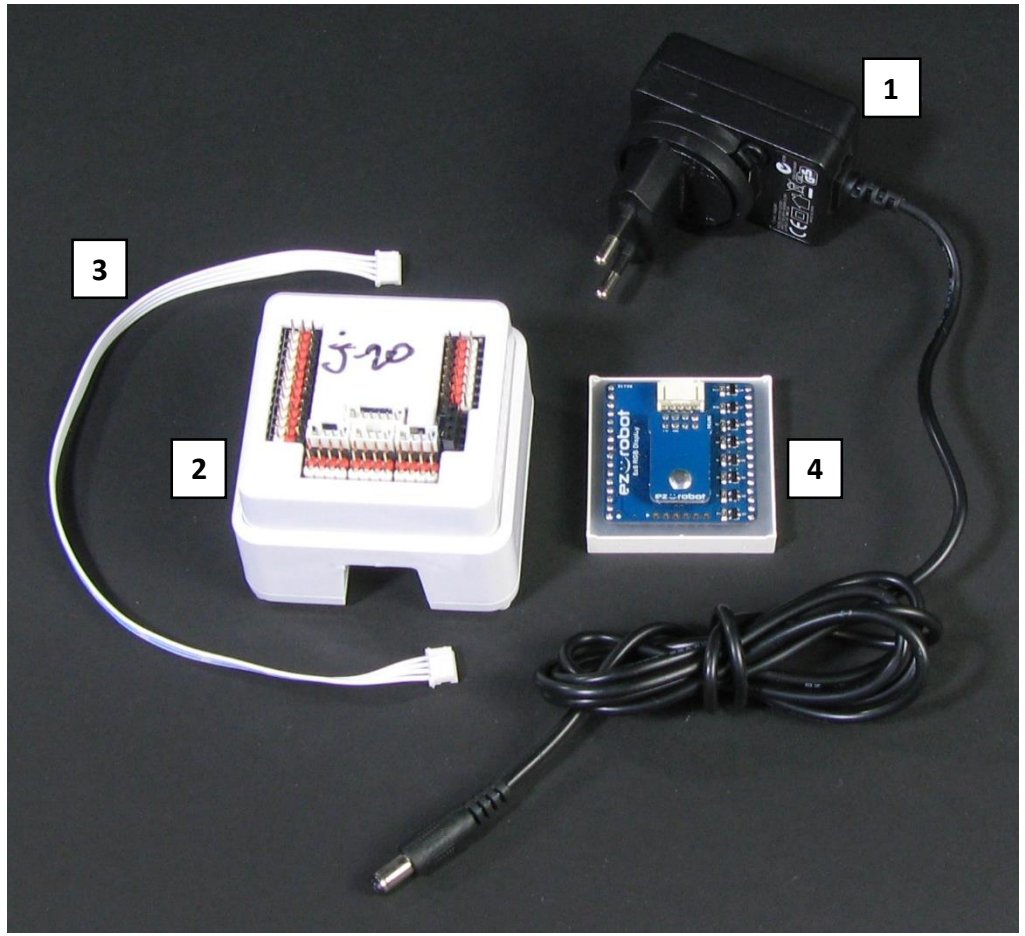
Step 2. Please check Vcc to Gnd. The resistance should be in the Megaohm range. The E-19 Short Circuit Test is now complete

IMPORTANT If the ohmmeter reads near to 0Ω the test has failed

SYNTHIAM

Electronic Test Instructions

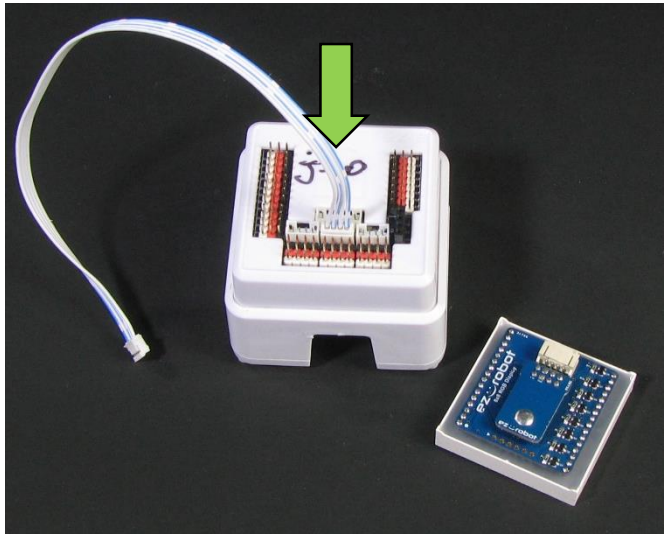
E-19 RGB 8x8 Display Power ON Self-Test

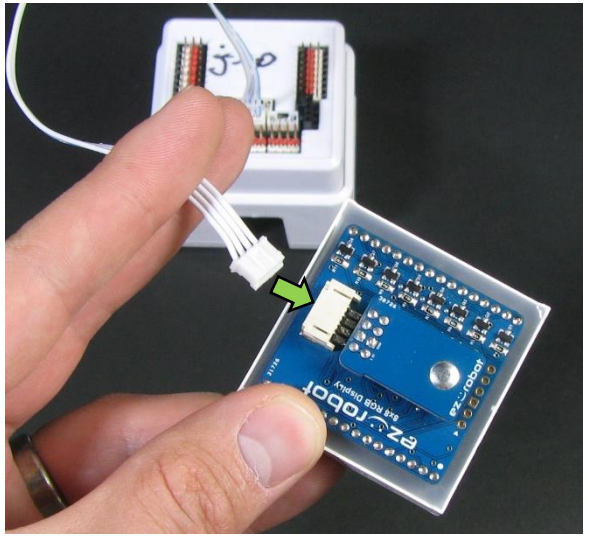


PARTS & TOOLS

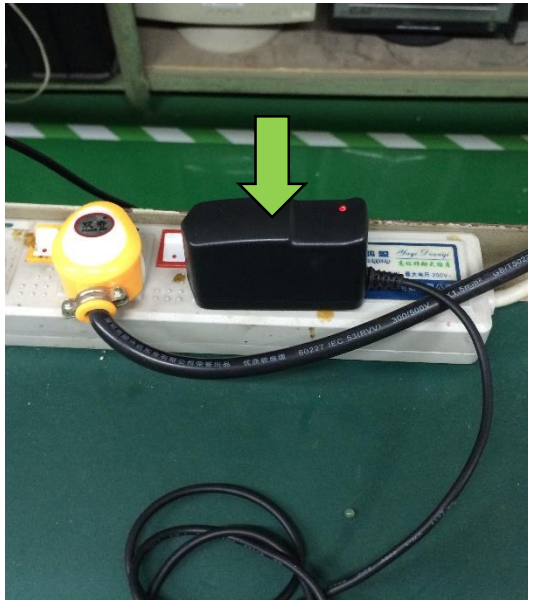
#	Part #	Name	Qty
1	N/A	5-12VDC Power supply	1
2	J-20	Calibration Jig	1
3	TP-101	JST 4-pin cable	1
4	E-19	RGB 8x8 Display	1

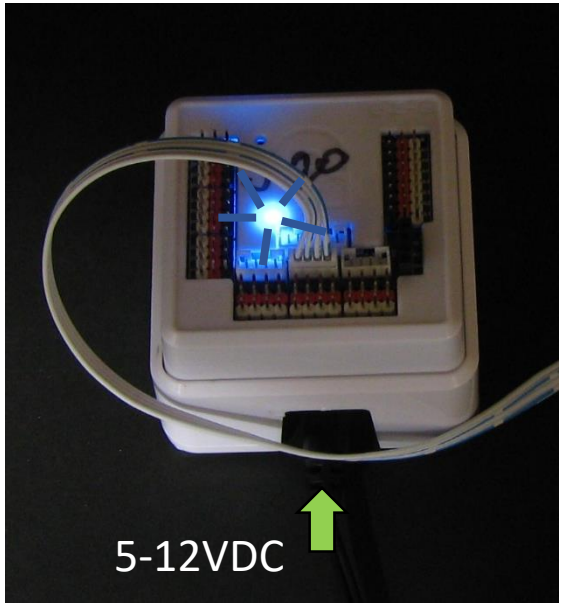
Test Summary: This is a test for the solder joints on the E-19 RGB 8x8 Display and must be done for every unit





Step 1. Plug TP-101 with one side into J-20 and the other side into E-19

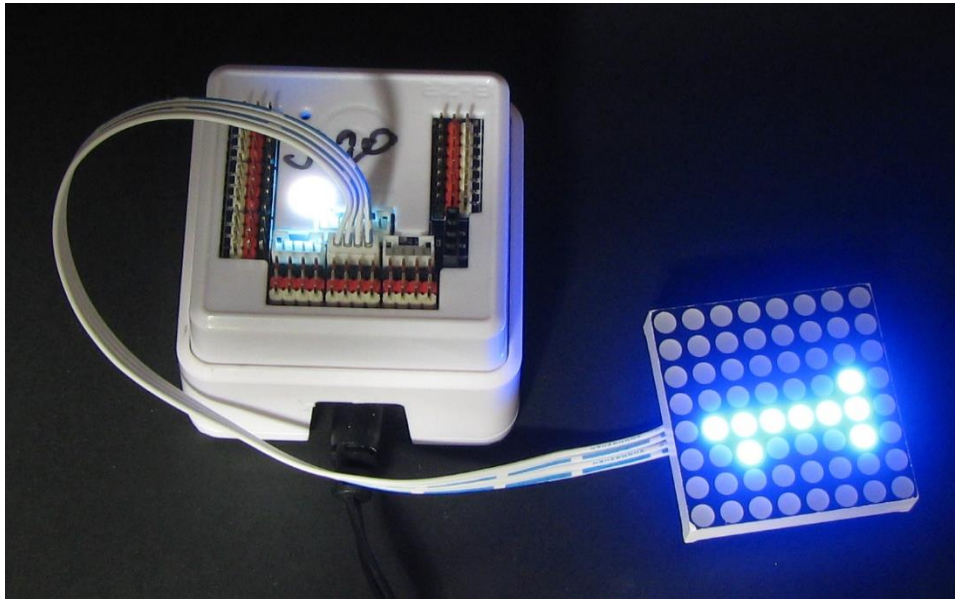




Step 2. Plug the 5-12VDC power supply into mains power then plug the barrel plug into J-20

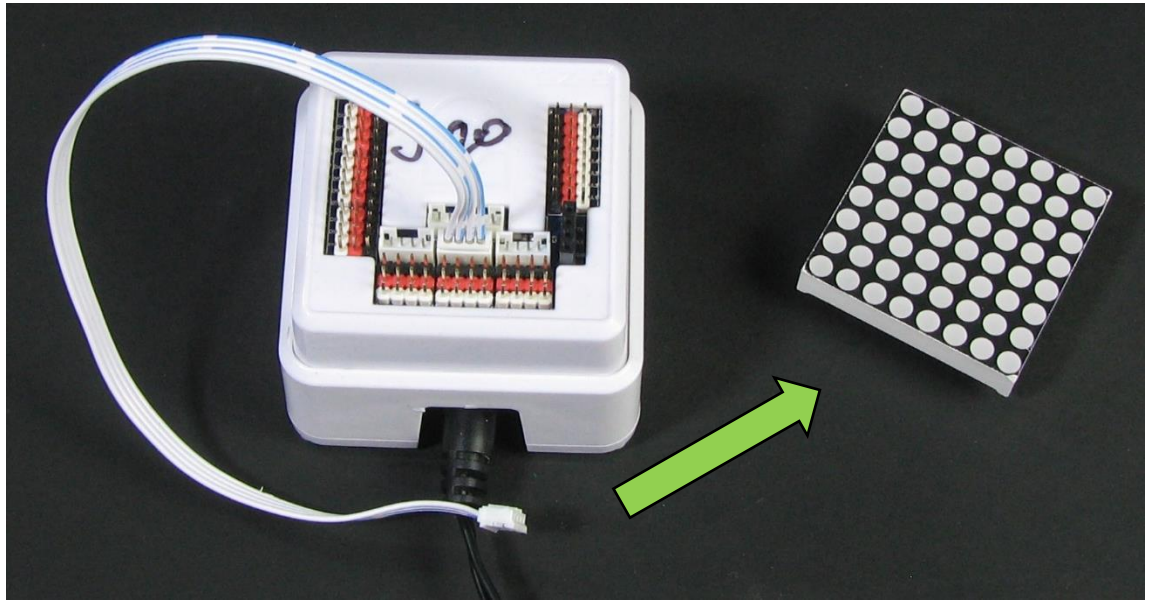
IMPORTANT

Ensure that J-20 is powered on, the RGB LED will flash blue and the speaker will make a boot up sound



Step 3. The LEDs on E-19 should show “1”…“6”…“2” in blue color

IMPORTANT If the LEDs do not turn on, or the LEDs aren’t blue, E-19 has failed the Power ON Self-test



Step 4. Remove E-19 from TP-101. The E-19 Power ON Self-test is now complete