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| Sunbrick trouble shooting |  |
| Issue | Solution |
| Device not giving ID starting with Dxxx xxxx (FFFF FFFF) | * Check solder joints on the one wire address device. (TO-92 package) * Reflash Bootloader and reload FW. * Replace Comm/Brick card * It has been observed that installing the bootloader with Atmel Studio can be an issue. Arduino IDE can also be used if it is setup correctly |
| Comm/Brick Card does not start. No power LED illuminated. | * Check 5v5 supply from DC-DC. * Check Signal cables to node controllers, replace as needed. |
| Comm/Brick Card does not start. Power LED illuminated. | * Check node controllers for Current draw. * Check node controllers for I2C communication * Reload node FW * Swap out tri-node distribution if needed |
| LED card does not light up. i.e. No activity on one or all driver channels. | * Check for 15v0 on DC supply * Check node communication * Disconnect tri-node distribution card and recheck, if node communicates remove driver set and test it for comms on test fixture. Replace as needed * If drivers are good, Check LED card, replace as needed |
| LED Card has lights always on | * Pull and test associated driver cards, replace as needed. * If Drivers are good, check LED card, replace as needed |
| Individual LED cannot be turned on | * Check the LED card with electrical test * Test connections to the driver * Reload the calibration files * Swap out the Node controller |