Hi, Joseph

**Attached required Marvin tester changes:**

1. Mounting holes test – manual test

|  |  |  |
| --- | --- | --- |
| Mounting Holes Test - Jig Fit | 214 | mm |

1. ~~Aux temp OFF change to  55 C°. Ok~~
2. Aux Fan command test instead Heater test. COMMAND –

 EP=1, AU=1 –Fan On, 1 min rotation

 EP=1, AU=0 – Fan OFF. Monitor on each stage FAN in proper state.

After Fan off ensure that  Is actually OFF. If after 5 sec delay Fan still on, test failed.

1. temperature setpoints Speed setpoints Algorithm test tolerance

< 67C 11500RPM ±3C°.

68 - 67C 12700RPM ±3C°.

88 - 83C 14700RPM ±3C°.

80 - 80C 12700RPM ±3C°.

60 - 64C 11500RPM ±3C°.

1. Remote command timeout= 30sec. If required remote mode in EBAY the command should be sent **periodically** . Period – 1sec.
2. S~~w version now sent by CAN protocol. Message 2 , PGN  - 0x18E23F6E, bytes 2,3,4 – ASCII. Format - <Major>.<minor>.<subminor>.~~
3. In Burn in Test (on the beginning) sometimes measured speed is 0RPM.

When wrong speed or wrong TA[1] measured, burning test should be stopped.

Same as dc input current

1. Add Serial numbers of DSP board and Driver board: Use Popup for board and dsp serials.

P/N: N\_A                                                                              Date: 25/04/2018

DRIVER S/N: N\_A   Modify                                                   Time: 11:19

DSP BOARD S/N: N\_A   add

POWER BOARD S/N: N\_A  add

UA: N\_A                                                                               Tested by: admin

Hardware Rev: BLDC\_60A\_V6                                                 Approved by: admin

Software Rev: N\_A

Parameters revision: N\_A

Tester Software Version: V1.2r

Please put the data in a table at the beginning of the word.

1. Start test: 28V and pin2 GND failure test (on ATP start after communication test). If fail – message should appear.

Error Message – **“Failure – check 28V or GND signals. Pin28 or Pin2”**

Adc select 1 or 0 (like current and fan).

1. Start test: Add range check for PCB thermistor TA[1] - 25±13 C°

Error Message – ~~PCB Thermistor failed~~

1. In Speed Command test and burn in test – change according new speed setpoints.

speed Command test

11500RPM

12700RPM

14700RPM

burn in test

14700RPM

**MARVIN APP:**

1. Remote command timeout= 30sec. If Selected  remote mode the command should be sent **periodically** . Period – 1sec.
2. All readings are blinking and changed to undefined every couple of seconds**.**
3. Add Sw version Indicator for **EBAY ONLY.** Message 2 , PGN  - 0x18E23F6E, bytes 2,3,4 – ASCII. Format - <Major>.<minor>.<subminor>.
4. Clear serial doesn’t works. No error messages.
5. Graph zoom can’t controlled and freezed. Only automatically.
6. On transit btwn tabs serial (show/hide serial) command should not be resetted.