18V, 600W BLDC Power Stage with BLE

Designed for:

Public Release

Assembly Variant:

002

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Note: Decaps across each inverter leg need to be placed close to the power block

Current Sense Resistors

Battery Power Supply

3.3V LDO

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Note: Populate R12 if VREF of 3.3V is used
Populate R30 or R31 depending on direction control via J3 or MCU
Note: Mount C27 and remove C31 for conducted RF measurement.

Note: The hall sensor must be connected in proper sequence to match with the winding connections.

Note: short or open the connector J3 for rotation direction change.

Note: Connect an external 20k POT at J2. Pin No.2 should be the midpoint.

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### Assembly Notes

**ZZ1**

Assembly Note

These assemblies are ESD sensitive, ESD precautions shall be observed.

**ZZ2**

Assembly Note

These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

**ZZ3**

Assembly Note

These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

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### Label Table

<table>
<thead>
<tr>
<th>Variant</th>
<th>Label Text</th>
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<tbody>
<tr>
<td>001</td>
<td>ChangeMe!</td>
</tr>
<tr>
<td>002</td>
<td>ChangeMe!</td>
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