

Linear Blower Control Unit

Basic Blower Module (BBM)



The Basic Blower Module expands BHTC's portfolio with a cost-effective, linear blower controller. Based on proven operating principles, the blower control unit changes the voltage of the blower motor, and thereby the air quantity, according to an input signal. An integrated thermo-management system makes it possible to meet requirements with a single transistor. This new technology was first applied to vehicles in the PSA Group. Production on a fully-automated assembly line guarantees high quality levels are maintained.

- An innovative soldering process supports high volume production with zero-defect quality
- Service-friendly diagnostics using a bidirectional interface
- Automatic recognition of analog and/or PWM signal input
- Optimized thermo management between transistor and heat sink
- Maximum current of 30 amps
- Overvoltage protection
- Overload protection for blocked or stalled motor, and short circuit protection
- Automatic reduction in blower power if there is a threat of overheating

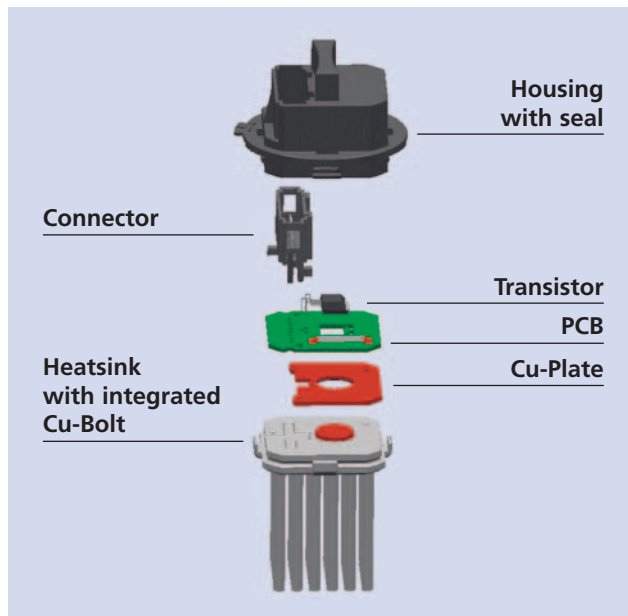
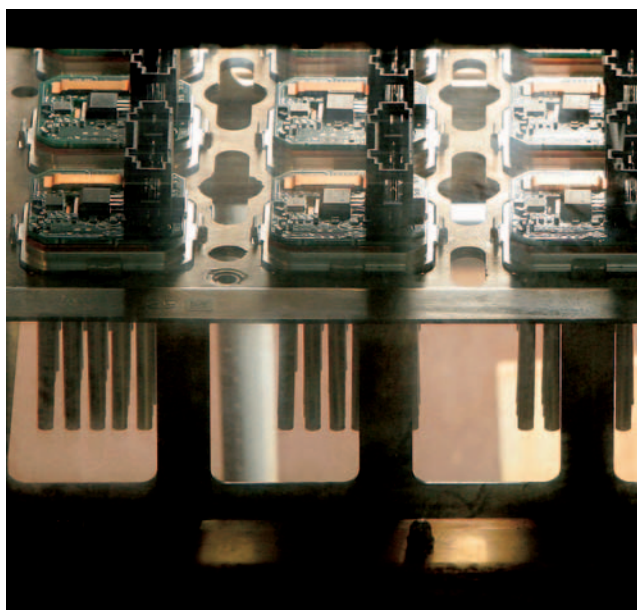


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BHTC has elected to use the robust vapor-phase soldering process, optimized in its Lippstadt facility. This process results in an optimal thermal connection of the transistor with the aluminum heat sink. Copper inlays ensure optimal thermo-management and prevent component stress during thermodynamic conditions.

In comparison to conventional soldering processes, vapor-phase soldering methods offer a number of advantages:

- Low deviations of the temperature profile during the soldering process protect the components
- Controlled heating of the components, independently of size, shape, color, weight and weight distribution
- A fluid film generates an oxygen-free atmosphere protecting against oxidation, even underneath the components



Manufacturer: Behr-Hella Thermocontrol, Lippstadt

Market launch: 2004

Customer: PSA Group

Model: Peugeot 307

Installed components: approx. 300,000 units
(as of August, 2005)

Manufacturing capacity: up to 1.5 million units per year

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BHTC
COMFORT IN MOTION