

Product Change Notification

Date: 2014-07-14

Products affected: HE104

Purpose of change: Replace EOL components, improve efficiency and functionality

Identification of new version: PCB revision V11

List of changes and features:

- EOL OS-CON capacitors replaced with Polymer surface mount capacitors
- Component package type TO-220 devices have been replaced with surface mount components.
- Main input connector replaced with a pluggable connector with locking screw flanges. The new connector is backward compatible.
- Transient suppression have been enhanced with a high energy active surge stopper for MIL-STD-1275 requirements.
- Schottkey reverse diode protection replaced with low loss Mosfet reverse voltage protection (now standard).
- A 6 to 40V opto-isolated remote On/Off control input has been added and is now standard. A jumper shunt provides the ability to have the outputs default On. Removal of the jumper shunt enables the On/Off input control.
- Output 5V increased to 12A (from 10A)
- Output 12V increased to 2.5A (from 2A)
- Maximum HE104 power increased to 60W (from 50W)
- An additional standoff in each of the front corners of the thermal heatspreader provide additional vibration and shock resistance. The mechanical mounting of the thermal heatspreader is backward compatible.
- The order of the voltage rails on the auxilliary output connector are in the same location and order as previous HE104 models. The new On/Off control line has been added to one end of the connector block.
- The auxilliary power screw terminal block pitch has been changed to 3.81mm from 3.5mm. This permits a wider variety of screw terminals for custom applications.
- The auxilliary power connector can be optionally be ordered with a pluggable header with locking screw flanges (standard is screw terminals).