Subject: Minimum Voltage for Heater-Control Box before MOSFET on board is damaged

Issue: If the input voltage of the Heater-Control Board drops below ~15V, e.g. Q1 on Schematic LAT-DS-02358 turns partially off and the power dissipated in the device exceeds the rating and may burn up.
The Gate-Source voltage must at least be 4V according to the data-sheet of the MOSFET transistor. That voltage is derived from the voltage divider R37/R66 (301kohm/787kohm). Thus the input voltage must be at least 14.6 V to ensure that the device is completely on when the power is enabled.