

Figure 8: EPC9137 Rev 4.0 main schematic

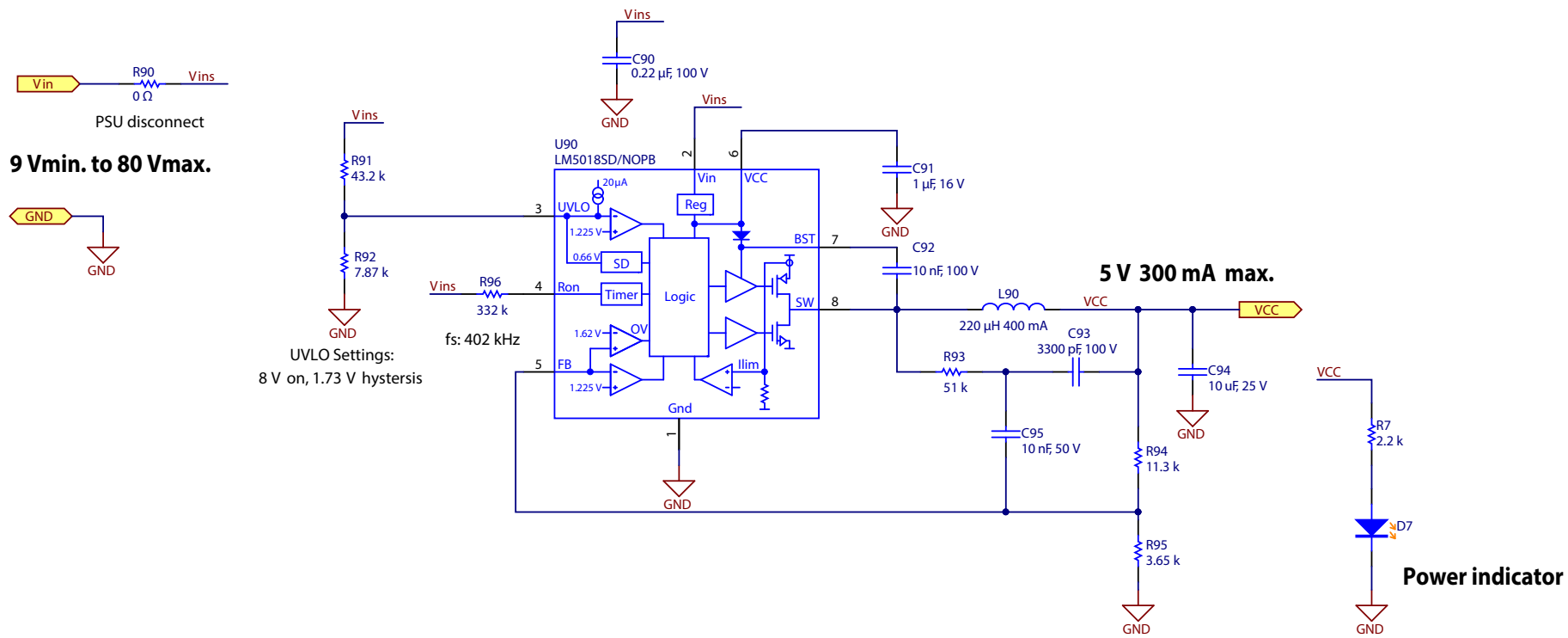


Figure 9: EPC9137 80 V to 5 V housekeeping power supply

VCC $\xrightarrow{R70 \ 0\ \Omega}$ VLVs
 PSU disconnect
4.75 Vmin. to 28 Vmax.

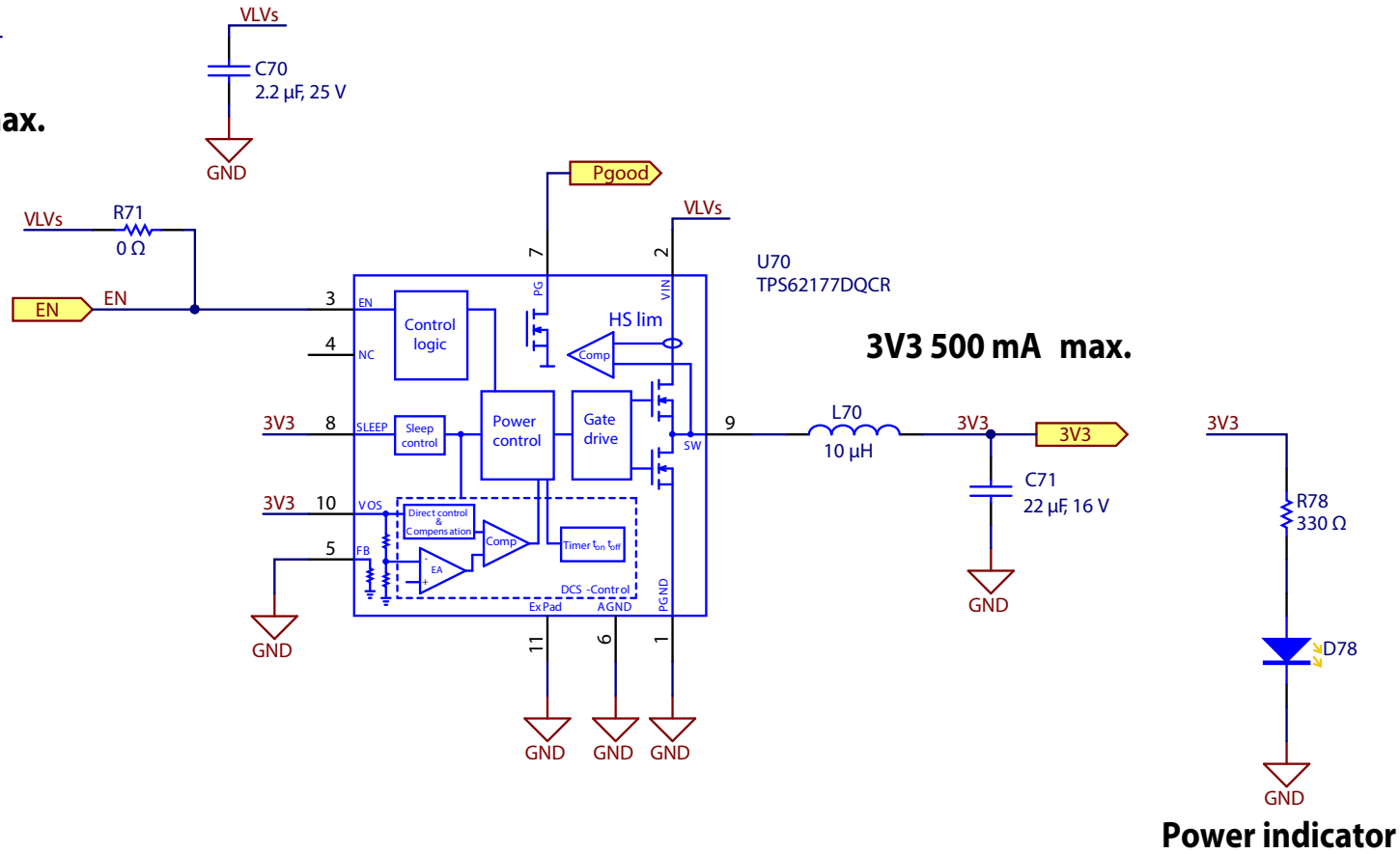
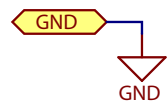
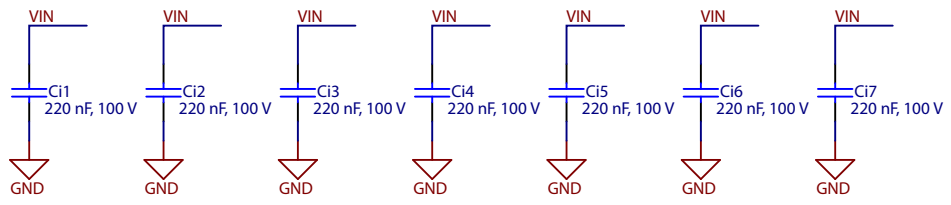
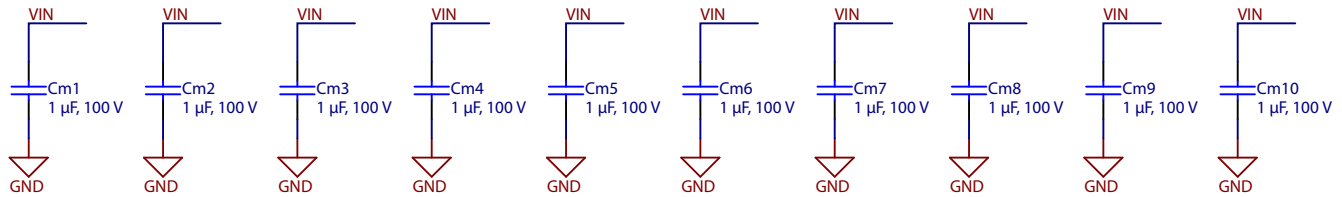
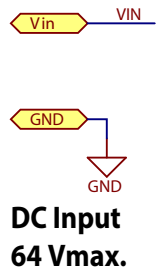


Figure 10: EPC9137 3V3 housekeeping power supply



HF Loop Capacitors

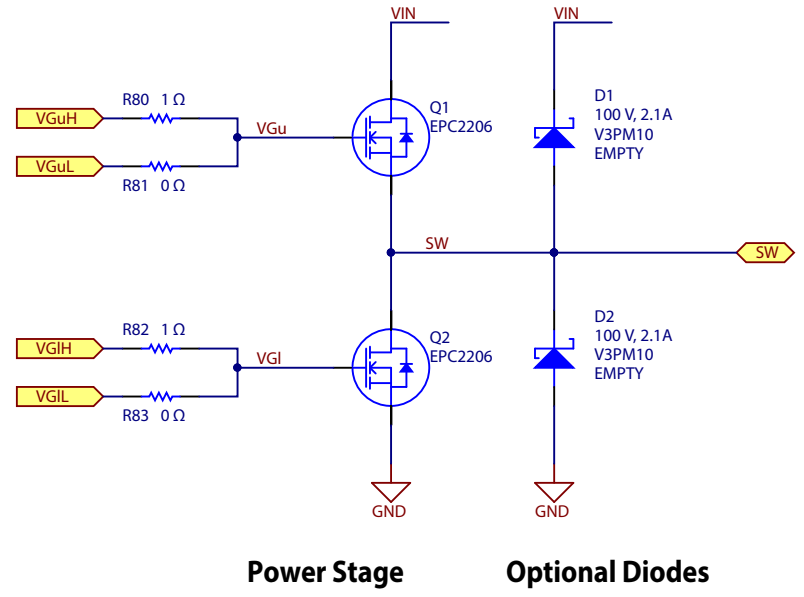
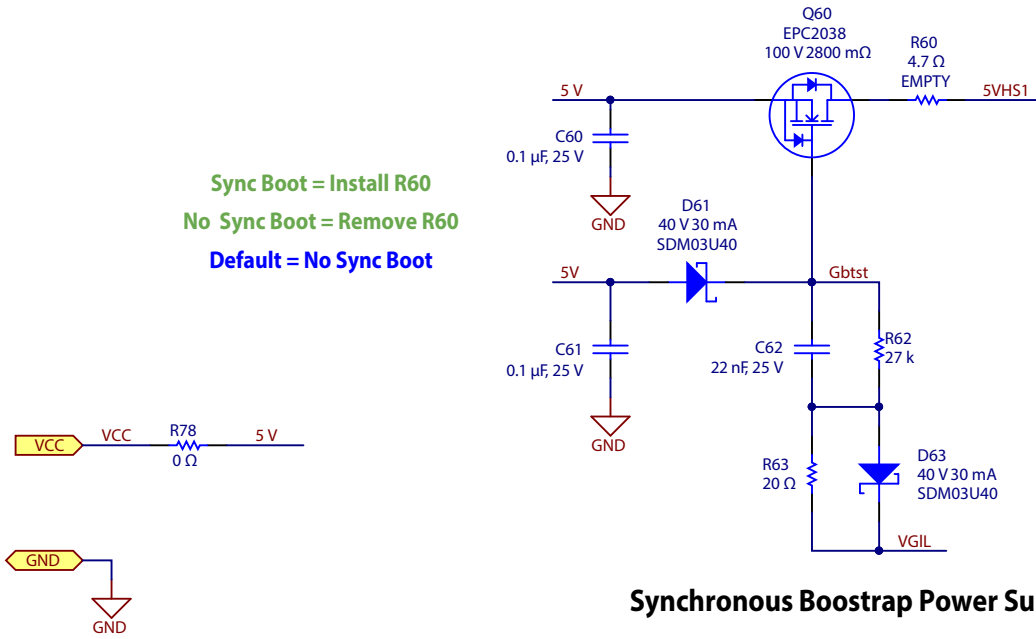
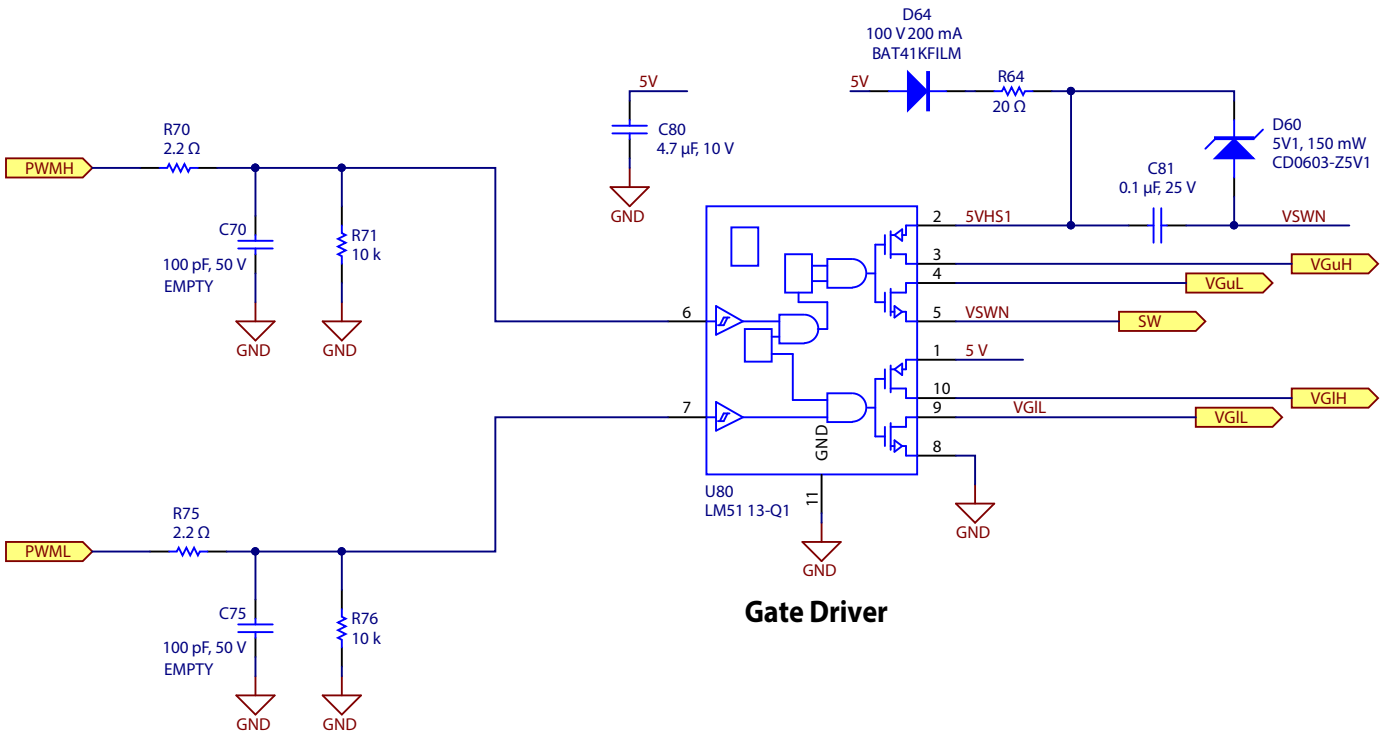


Figure 11: EPC2206 phase leg

Sync Boot = Install R60
 No Sync Boot = Remove R60
 Default = No Sync Boot



Synchronous Bootstrap Power Supply



Gate Driver

Figure 12: EPC9137 100 V AEC gate driver

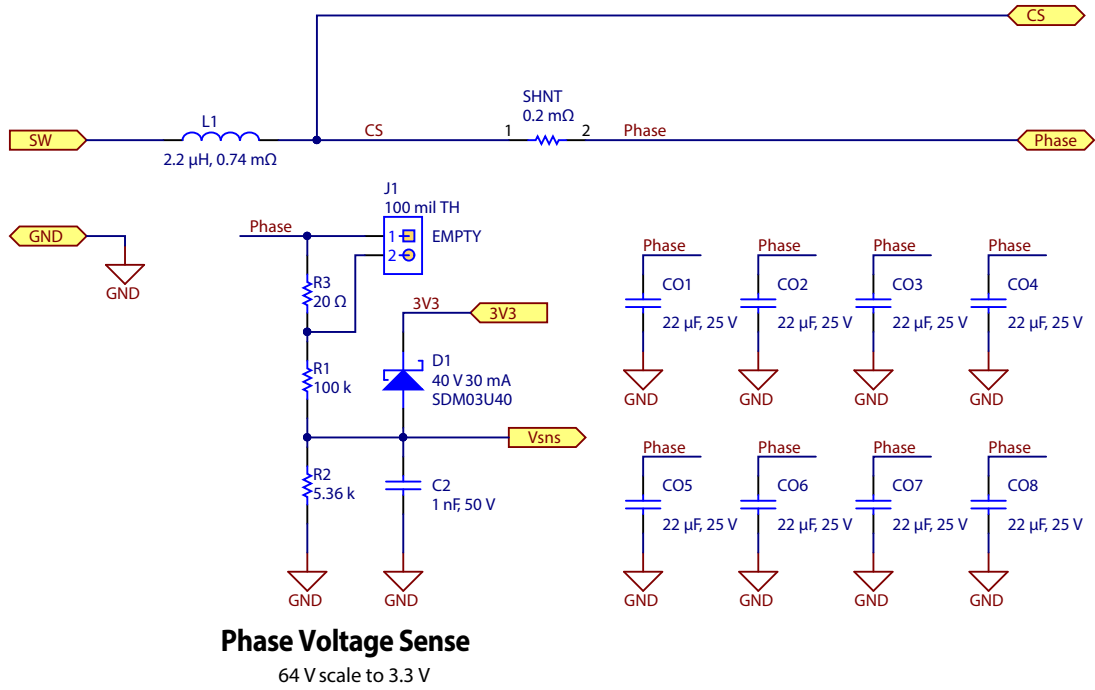


Figure 13: EPC9137 48 V to 12 V AEC high current filter

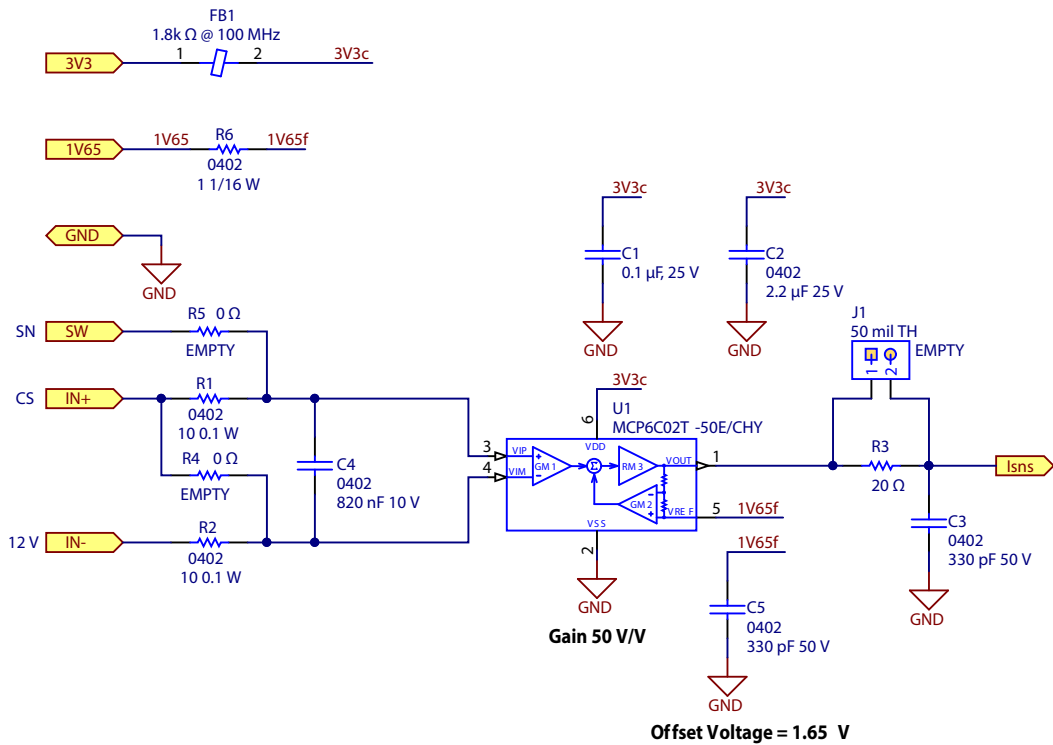


Figure 14: EPC9137 bi-directional current sense amplifier

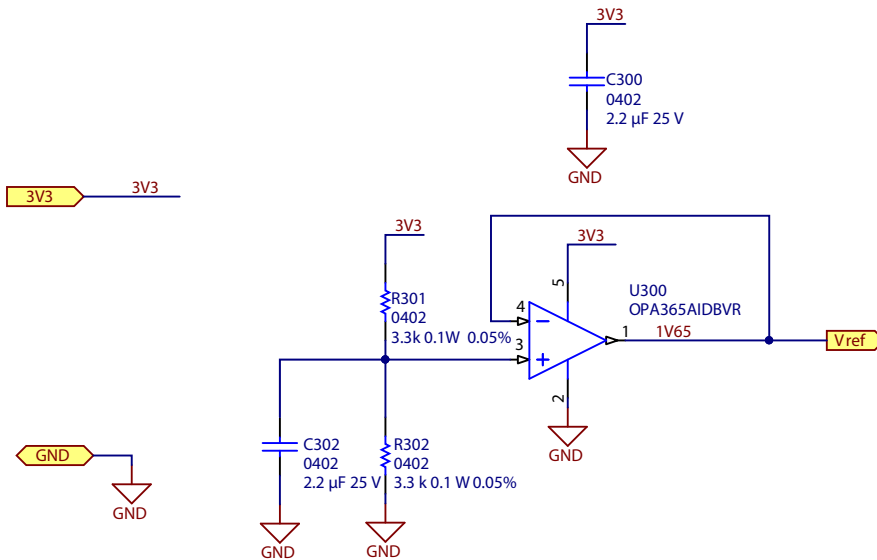


Figure 15: EPC9137 1.65 V reference

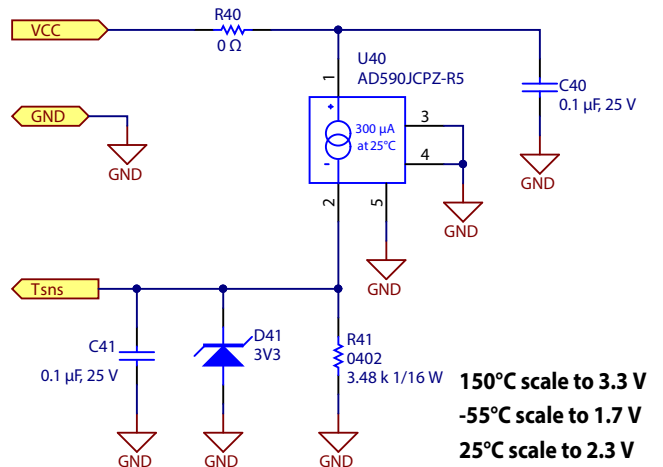


Figure 16: EPC9137 AD590 temperature sense

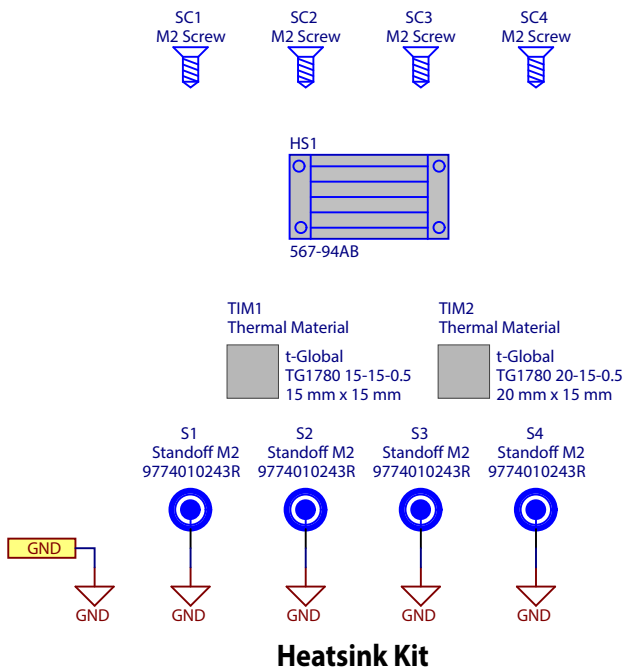


Figure 17: EPC9137 basic 4 screw heatsink kit