

ISL98012IUZ-EVALZ Evaluation Board User's Guide

This quick start guide pertains to the ISL98012 evaluation board.

1. Apply Input power in the range of 1.8V to 10V between the V_{IN} and GND post.
2. The Enable pin is pulled up to the input supply via R2, so the part will be enabled as soon as input power is applied.
3. The demo board is programmed to run at a switching frequency of 670kHz that can be modified by replacing R1. See ISL98012 data sheet for more information (FN6654).
4. V_{OUT} is configured for 15V between the V_{OUT} and GND post and can provide up to a few hundred millamps depending on the input supply voltage.
5. The demo board schematic is shown in Figure 1, the demo board photo in shown in Figure 2, the top layer layout is shown in Figure 3 and the bottom layer is shown in Figure 4.

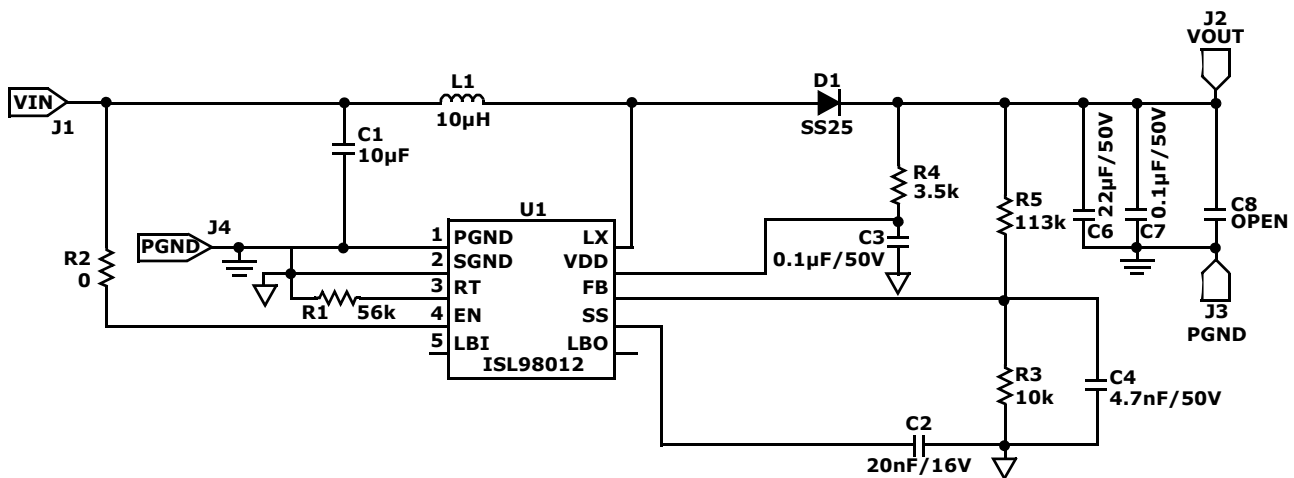


FIGURE 1. ISL98012 EVALUATION BOARD SCHEMATIC



FIGURE 2. ISL98012 EVALUATION BOARD PHOTO

ISL98012 Evaluation Board Layout

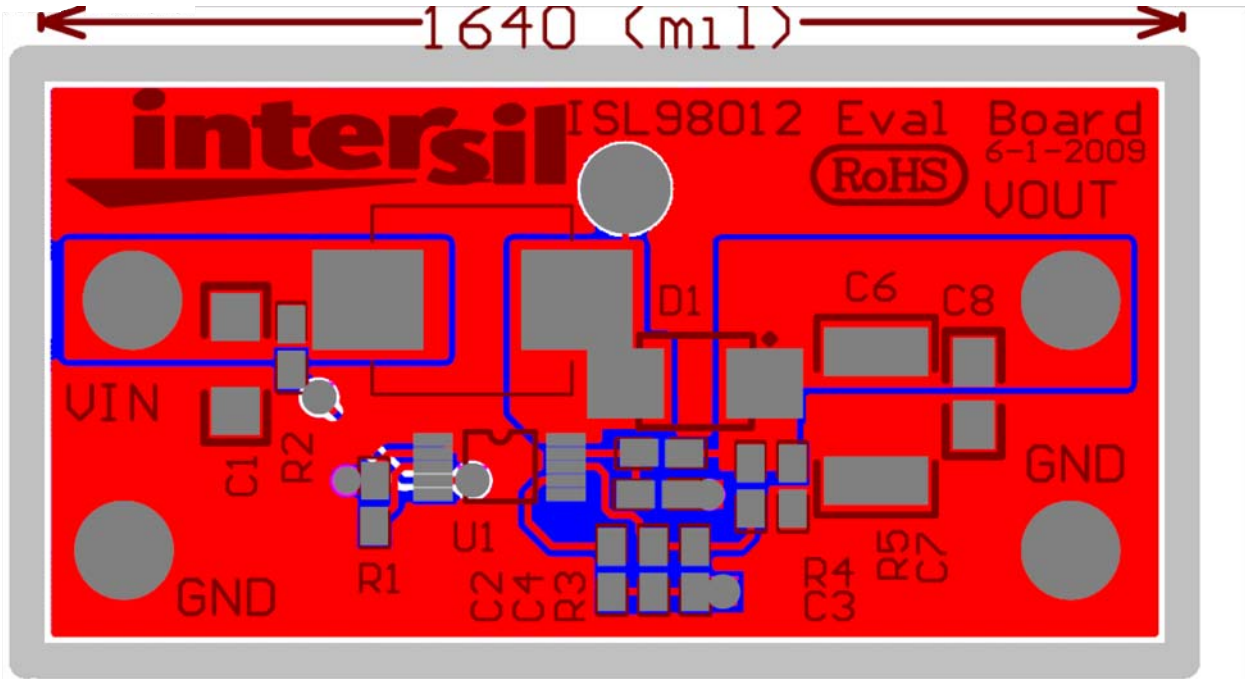


FIGURE 3. ISL98012 EVALUATION BOARD TOP LAYER

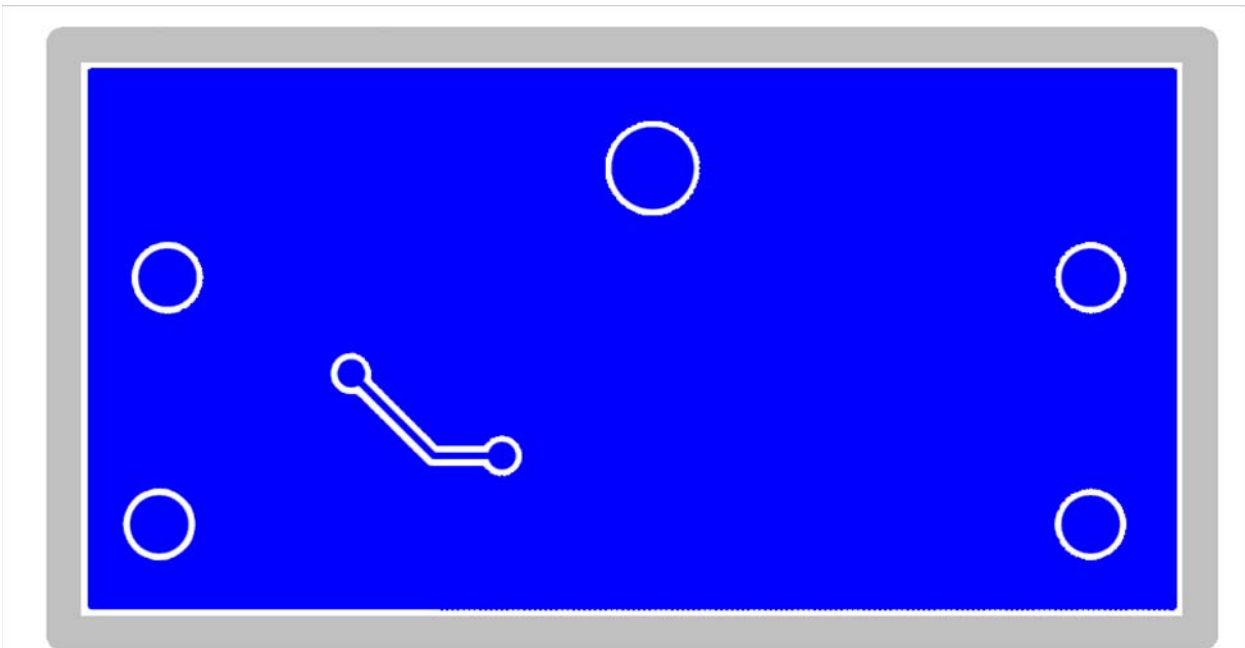


FIGURE 4. ISL98012 EVALUATION BOARD BOTTOM LAYER

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