## The Si51211/Si51218 EVB Quick Start Guide



## Identifying the part on the EVB:

1. The part number on the EVB is indicated by the marked check box.

## Key features of the EVB:

- 1. Implements frequency plans for Si51210/11/14 on the Si51211 EVB and the frequency plans for Si51218 on the Si51218 EVB
- 2. Supports controlling input pins though Clockbuilder Pro<sup>™</sup>
- 3. Supports output clock signal integrity measurement
- 4. Provides option to use external input clock, crystal or an on-board Si514 for input clock generation (the on-board Si514 is the input clock source by default)
- 5. Provides controls for setting VDDO to 1.8V, 2.5V or to 3.3V and for setting VDD to 2.5V or 3.3V.
- 6. Controlled by the Clockbuilder Pro<sup>™</sup> software

## Quick start guide to using the EVB:

- 1. Connect the EVB to PC directly into the USB port or via a cable
- 2. Run the Clockbuilder Pro<sup>™</sup> software and create the frequency plan of interest.
- 3. When the plan is complete, you can use the EVB control GUI to program the plan to the EVB.
- 4. The EVB control GUI can also be used to control the voltage supplies and the input pins.
  - a. Please note that if VDD is disabled i.e. if the device is powered down, the plan will not be retained.
  - b. On power re-cycle, the Clockbuilder Pro<sup>™</sup> software needs to be used to reprogram the EVB