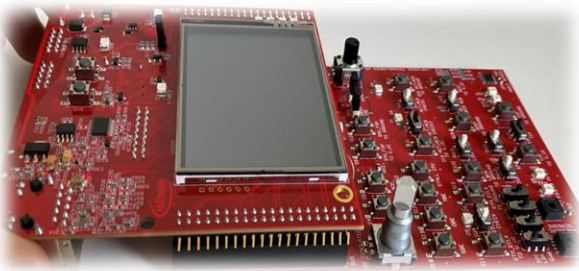
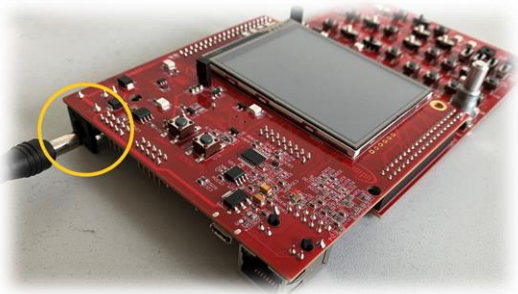
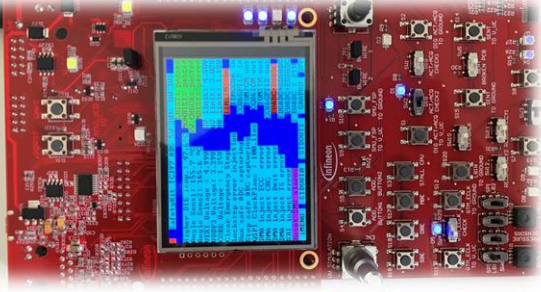
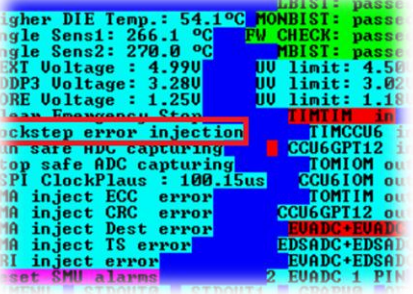
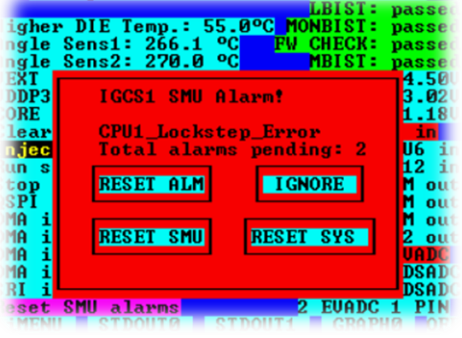
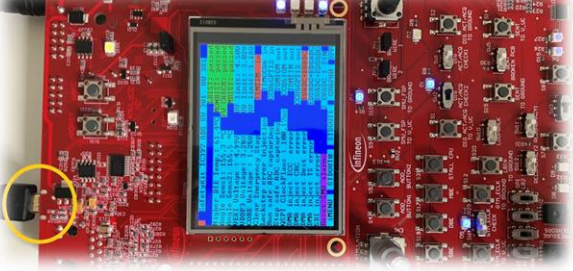


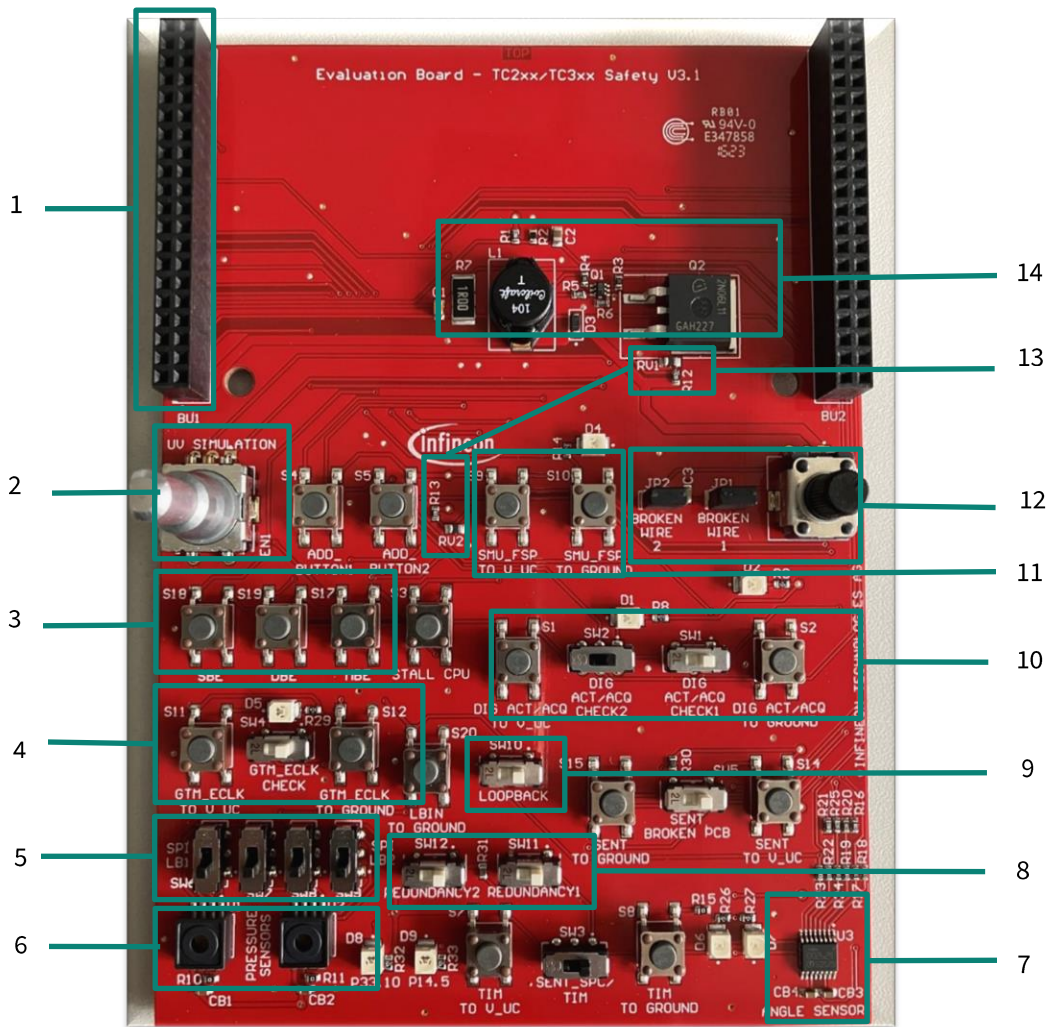
Application Kit – TC3xx Safety

Check List

- Application Kit – TC3xx Safety, which consists of:
 - Application Kit – TC397 TFT 5V
 - Evaluation Board – TC3xx Safety V3.1
- Power supply 12V
- USB Standard-A to USB Micro-B cable
- Magnet for GMR sensor
- Quick Start Guide (this document)



<p>1 Connect the Application Kit to the Evaluation Board:</p> 	<p>2 Connect the power supply to the Evaluation Board:</p> 
<p>3 With power provided, the board starts up. LEDs blink and real-time data is displayed:</p> 	<p>4 By using the touch display, buttons and switches, different faults can be injected, such as a Lockstep error for example:</p> 
<p>5 As a result of this example Lockstep error, the following alarm window would pop-up</p> 	<p>6 For debugging, SW flashing or terminal window use, connect the Application Kit to your computer using the USB cable provided:</p> 



- | | |
|---------------------------------------|---|
| 1. AURIX™ connector | 8. Port redundancy switches |
| 2. Encoder knob to control PWM | 9. Port loopback switch |
| 3. NVM error injection buttons | 10. GTM, CCU6 and GPT12 error injection |
| 4. GTM clock error injection | 11. Fault signaling protocol test |
| 5. QSPI loopback switches | 12. Broken wire detection simulation |
| 6. Pressure sensors QSPI redundancy | 13. Analog temperature sensors |
| 7. GMR angle sensor's SENT redundancy | 14. Undervoltage simulation circuitry |

Additional resources

- AURIX™ Application Kit – TC3xx Safety:
 - <https://www.infineon.com/aurixsafetykit>
- AURIX™ Development Studio:
 - <https://www.infineon.com/aurixdevelopmentstudio>
- AURIX™ Code examples:
 - https://github.com/Infineon/AURIX_code_examples
- AURIX™ Forum for questions and support:
 - <https://community.infineon.com>

WARNINGS Due to technical requirements products may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies office. Except as otherwise explicitly approved by Infineon Technologies in a written document signed by authorized representatives of Infineon Technologies, Infineon Technologies' products may not be used in any applications where a failure of the product or any consequences of the use thereof can reasonably be expected to result in personal injury.