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| **Model Report**  Software Design Document  Version 1.0 ● Proposed |
| |  | | --- | |  | | Date/Time Generated: | 22-06-2025 16:14:12 | | Author: | xpress\_embedo |   EA Repository : D:\Projects\Embedded\OfficialBoards\NXP\T1\_App\docs\T1\_DesignDocument.eap |
| |  |  | | --- | --- | | **CREATED WITH** |  | |

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# **History**

*Package in package 'Model'*

History

Version 1.0 Phase 1.0 Proposed

xpress\_embedo created on 22-06-2025. Last modified 22-06-2025

## **Update History**

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| **S.No** | **Version** | **Author** | **Description** |
| 1 | 1.0 | Embedded Laboratory | First Version for learning how to generate documentation properly. |
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# **Introduction**

*Package in package 'Model'*

The following project is developed to learn the MKE17Z micro-controller and it's peripherals practically on professional boards with real-life challenges. Here we will learn how to make custom display containing seven segments and different LEDs working together, we will learn how to use buzzer, IR LEDs, and Touch Sensing Interface of this micro-controller.

The most important thing for this project is the integration of the NXP provided safety library in order to make this project safety relevant, which will act as a base project for all future projects.

Introduction

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## **Introduction diagram**

*Package diagram in package 'Introduction'*

Introduction

Version 1.0

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Introduction

## **Software Modules**

*Package in package 'Model'*

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Software Modules

Version 1.0 Phase 1.0 Proposed

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# **Software Modules**

*Package in package 'Model'*

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