

# UM11940

TPL decoder tool for Saleae logic software

Rev. 1 — 12 June 2023

User manual

## Document Information

Information	Content
Keywords	TPL decoder, TPL, transport protocol link, BMS communication, TPL sniffer
Abstract	This user manual aims to introduce the transport protocol link (TPL) decoder tool working as extension of the Saleae logic software.



Revision history

Rev	Date	Description
1	20230612	initial version

# 1 Introduction to the TPL decoder tool for Saleae logic software

The TPL decoder is a high-level analyzer (HLA) extension for the Saleae logic software. It helps decoding the NXP TPL protocols on several physical layers.

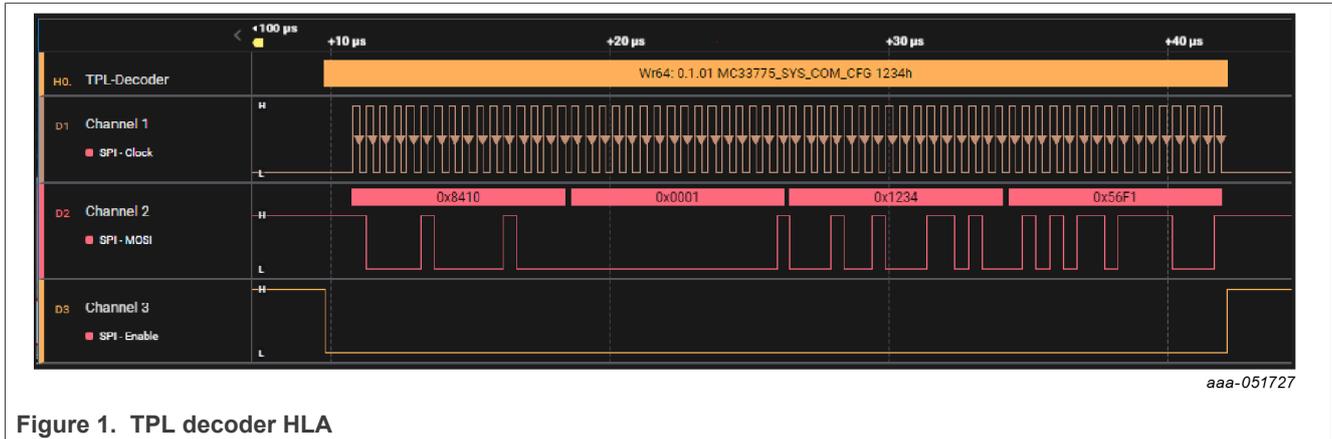


Figure 1. TPL decoder HLA

This tool is also part of the NXP battery management system (BMS) communication decoder ecosystem and can work together with the [KIT-TPLSNIFEVB](#) hardware board that facilitates the acquisition of electrical transport protocol link (ETPL) signals.

## 1.1 Package content

The downloadable package contains the TPL decoder installer along with a release notes and software content register (SCR) files. More information about supported devices and physical layers covered in the latest version can be found in the release notes file.

## 1.2 Pre-requisites

The TPL decoder is an HLA extension for the Saleae logic software. Therefore the recommended Saleae logic software version (see release notes file) must be installed prior to the TPL decoder installation. To download the Saleae logic software, visit the [Saleae website](#).

## 1.3 Installation

Refer to the release notes file for installation steps.

## 1.4 Use

Guidance on using the TPL decoder can be found directly in the Saleae logic software by clicking the TPL decoder in the Extensions menu.

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