Canalyzer-Box Project

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January 19, 2025

1   Project Summary

The Canalyzer project seeks to recreate the viewer functionality from the Vector Canalyzer tool. It will have a microcontroller connected to a LCD to display all of the messages which are sent over the CAN bus connected to the board. There should be at least one set of two molex microfit 4 pin connectors for can input and passthrough. Support power delivery from 5V wall wart (DC barrel jack in), ideally keep power draw $< 1A$ but $< 2A$ is satisfactory. 3D print a case for the final product.

2   Project Extensions

- Another separate set with its own transciever can be added as DNP in case we eventually require two separate CAN busses in the future, but that is not strictly necessary.

- Add support for sending test messages with an adjustable CAN ID (encoder knob perhaps).