Hi Fleenor,

We probed the **CAN_H** and **CAN_L** lines for both boards and observed the following results:

1. **F28P65X to F28P65X Communication:**
    - Two **F28P65X** devices were connected, and their **CAN signals** were observed. The communication appeared to be functioning as expected.

2. **AM2634 to AM2634 Communication:**
    - Two **AM2634** devices were connected, and their **CAN signals** were observed. The communication appeared to be functioning as expected.


Undo
Delete
Save Setup
Load Setup
Screenshot
Zoom
FFT
Annotation
C1
Norm
20 µs/
Complete
3 V
2.5 GSa/s
60 µs
Sample
2000-01-01
00:11
TL
HIGH
LOW
C1
C2
f: 166.555 kHz
f: 166.744 kHz
1 V/
DC
10:1
C3
C4
Menu

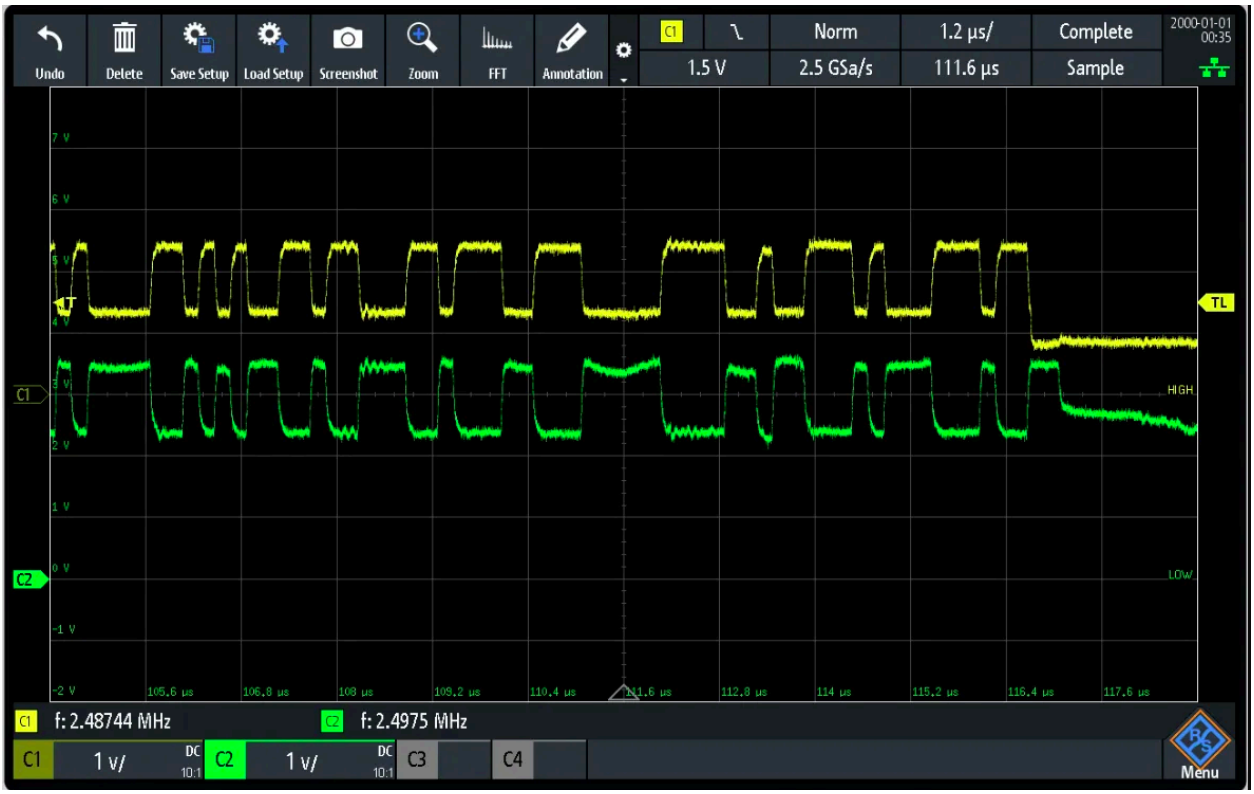

Undo
Delete
Save Setup
Load Setup
Screenshot
Zoom
FFT
Annotation
C1
Norm
500 ns/
Complete
3 V
2.5 GSa/s
60 µs
Sample
2000-01-01
00:11
TL
HIGH
LOW
C1
C2
f: 1.24573 MHz
f: 1.25212 MHz
1 V/
DC
10:1
C3
C4
Menu

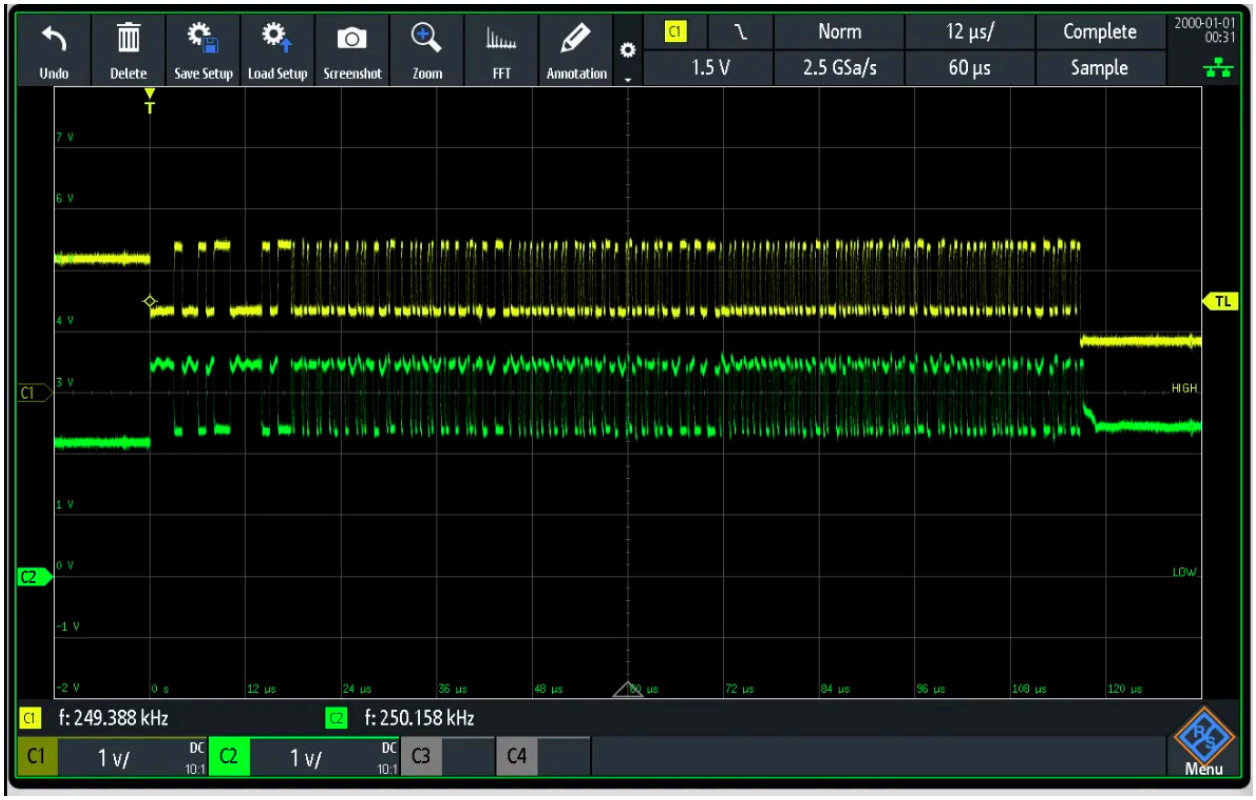
3. **F28P65X to AM2634 Communication:**
    - When attempting communication between **F28P65X and AM2634**, we encountered two different scenarios:
        - **F28P65X transmitting to AM2634:**
            - The **F28P65X** continuously attempts to send data to the **AM2634**.
            - However, the same transmission process is **repeated multiple times** until it reaches a timeout, at which point the communication **fails**.


Undo
Delete
Save Setup
Load Setup
Screenshot
Zoom
FFT
Annotation
C1
Norm
500 ns/
Complete
1.5 V
2.5 GSa/s
79.8 µs
Sample
2000-01-01
01:54
TL
HIGH
LOW
C1
C2
f: 1.66722 MHz
f: 1.66944 MHz
1 V/
DC
10:1
C3
C4
Menu


Undo
Delete
Save Setup
Load Setup
Screenshot
Zoom
FFT
Annotation
C1
Norm
20 µs/
Complete
1.5 V
2.5 GSa/s
79.8 µs
Sample
2000-01-01
01:53
TL
HIGH
LOW
C1
C2
f: 166.8 kHz
f: 166.555 kHz
1 V/
DC
10:1
C3
C4
Menu

- **AM2634 transmitting to F28P65X:**
  - When the **AM2634** attempts to send data to the **F28P65X**, the AM2634 reports an **MCAN_INTR_SRC_PROTOCOL_ERR_DATA** error, indicating a protocol error in data transmission.





These observations suggest a potential **compatibility issue** between the **F28P65X and AM2634** in CAN communication. Further debugging may be needed to analyze the potential differences in CAN protocol implementation between the two devices.