



Cavli C-Series EVK/DDK Device-DDK Connection Manual External Release Version 1.0

Re-imagining Cellular IoT Solutions

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Table of Contents

List of Figures.....	4
1 Introduction	7
1.1 Overview	7
1.2 References	7
2 Module Placement.....	8
2.1 mPCIe Connection.....	8
2.2 80-Pin Connection.....	9



List of Figures

Figure 1 mPCIe - mPCIe direction of connection	8
Figure 2 Placing mPCIe into the mPCIe Slot of DDK.....	9
Figure 3 80-Pin Connectors on the Module and DDK.....	10
Figure 4 Placing the module onto the DDK.....	10
Figure 5 Aligning the 80-Pin Connector and its slot.....	11
Figure 6 Pressing the Connector onto the Slot	11
Figure 7 Hard pressing the Connector onto Slot till click heard	12



VERSION HISTORY

Version	Edit	Date
1.0	Initial Version	25/08/2022



1 Introduction

1.1 Overview

This document aims to familiarize the reader on how to place a C-series Cavli Module onto the C-series Cavli DDK board.

1.2 References

The present document is based on the following document:

C-Series DDK Manual

NOTE

- Regardless of the DDK version, the method of placement of the module onto the board remains the same



2 Module Placement

2.1 mPCIe Connection

Description:

To access the basic functionality of the module through the DDK, the mPCIe must be connected to the mPCIe connector of the DDK. This gives the customer access to the AT port as well.

Given below are the steps to the same:

- Hold the mPCIe to face the mPCIe connector of the DDK



Figure 1 mPCIe - mPCIe direction of connection



- Insert the mPCIe into the mPCIe connector slot



Figure 2 Placing mPCIe into the mPCIe Slot of DDK

- Make sure that the placement was proper and the connections are not loose
- Once the checks are done, you are good to go

2.2 80-Pin Connection

Description:

To access the additional functionality of the module through the DDK, the 80-Pin Connector must be connected to the 80-Pin connector slot of the DDK. This gives the customer access to the DM port and USB port as well.





Figure 3 80-Pin Connectors on the Module and DDK

Given below are the steps to the same:

- Place the module's mPICE onto the mPCIe connector

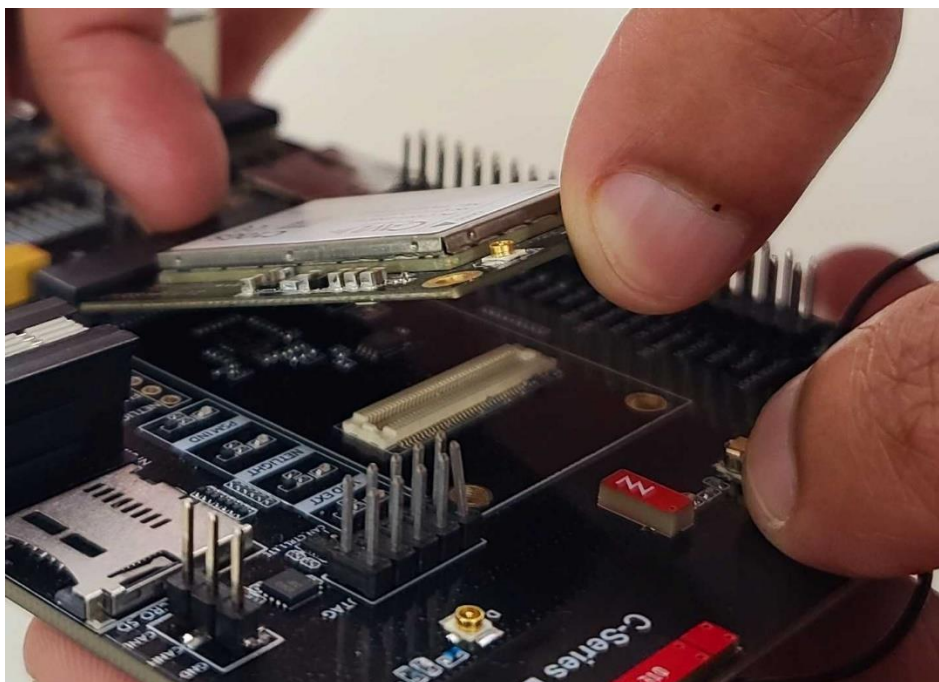


Figure 4 Placing the module onto the DDK

- Ensure that the 80-Pin connector faces the 80-Pin connector slot properly
- Hard press the module onto the DDK board to ensure the 80-Pin connector slides into the 80-Pin slot perfectly. If perfect, you will hear a click sound from the connection





Figure 5 Aligning the 80-Pin Connector and its slot

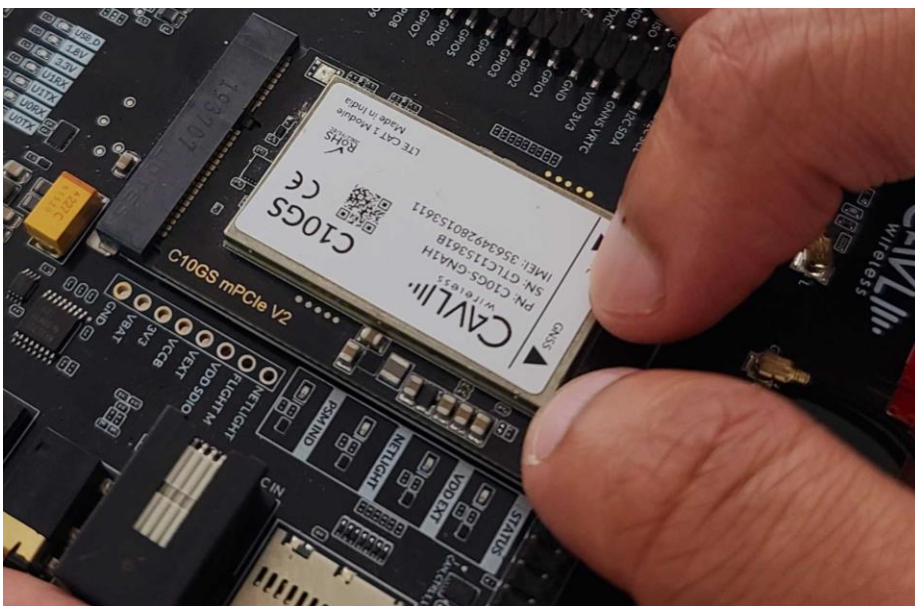


Figure 6 Pressing the Connector onto the Slot



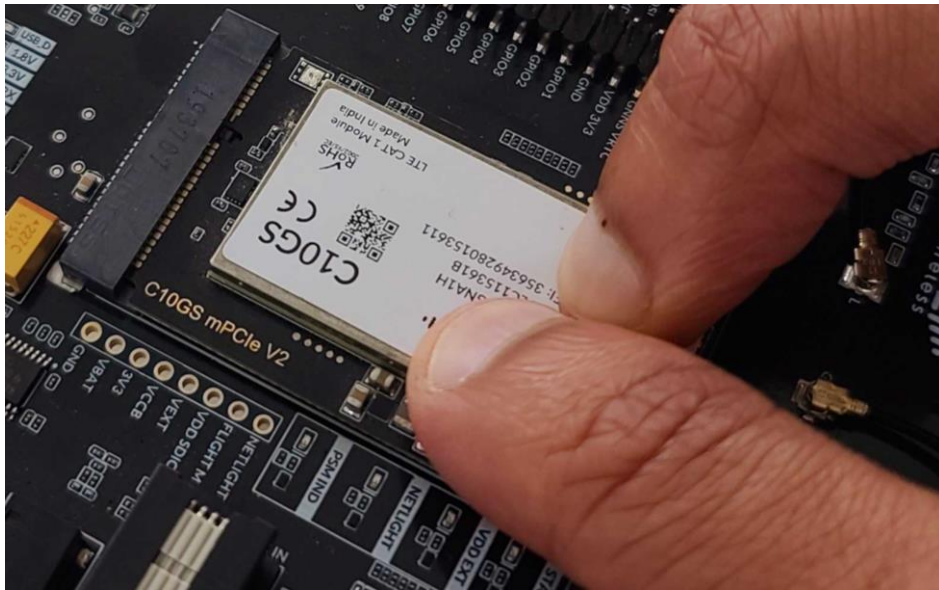


Figure 7 Hard pressing the Connector onto Slot till click heard

- If unsure, you can remove and reconnect the module again. Once done, all you need to do is to plug the DDK into your device (PC) and check the functionality of the module.
An example on a properly connected module (C10GS) is given below



NOTE

- If the 80-Pin connector is not fitted onto the slot properly, the DM port functionality would not be proper.

