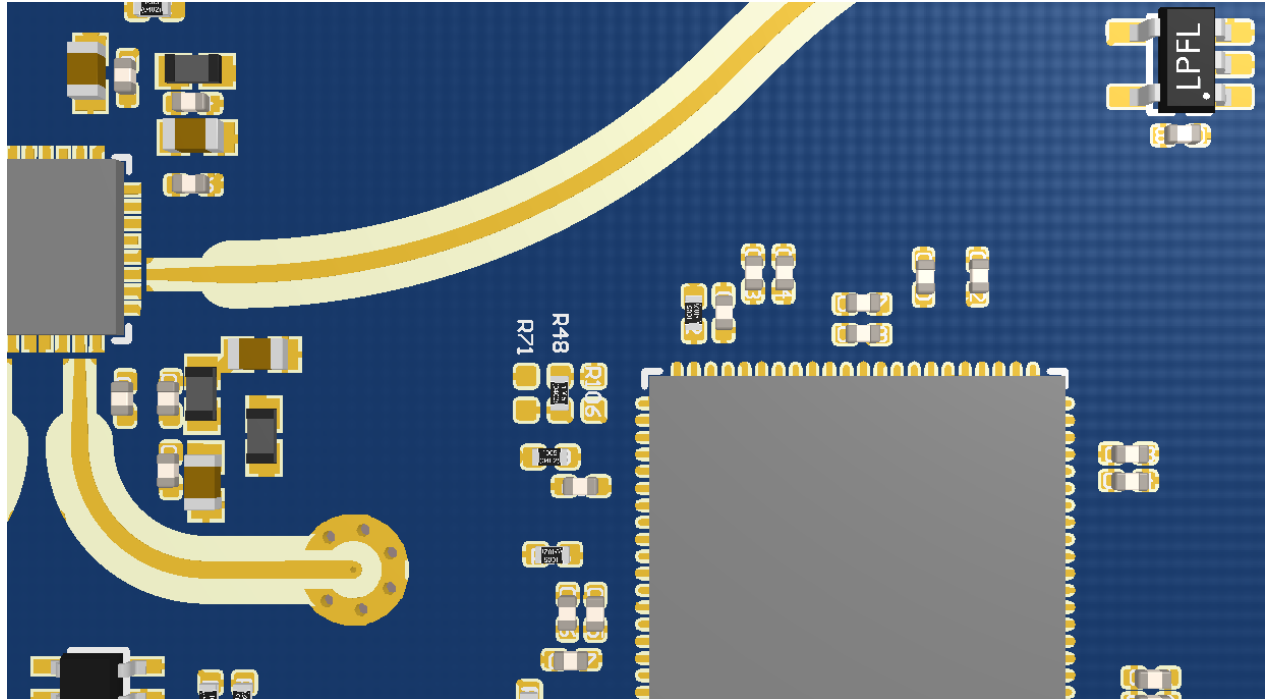


TinyRad PWM Framework Upgrade

1) Hardware changes:


To run the PWM framework with the TinyRad the resistor R48 (0E) must be removed and the resistor R71 (0E) populated. Then the PWM output can be used as trigger for the PLL ADF4159.



2) Update Firmware Image with DemoRadTool or TinyRadTool:

Use DemoRadTool 2.4.4 or TinyRadTool 1.0.0 to update Firmware image. Do not use a DemoRadTool with version lower than 2.4.4 because this removes the first entry of the calibration data field.

Program the new firmware image TinyRad-FW_R-2-3-0. After programming and resetting the board check the Board Status Page. If the programming was successful the output looks as shown below.

Board Status	
 DemoRad Status <input type="button" value="Get Status"/>	
Parameter	Value
Board ID	42
Software Version	2.3.0
Hardware ID	1

3) Use the new Matlab classes to run the framework

The new firmware does not operate with the old classes. Use the TinyRad class instead.