**AD1939 Qsys System   
Setup Steps**

1. Copy the folder **AD1939\_Qsys** to your computer. This folder can be found at: https://montana.box.com/s/wgizf96q7kgvma580q5u10eip4so7c62
2. In Quartus, open the project file **soc\_system.qpf** Quartus may ask you “Do you want to overwrite the database…”. If so, click the yes button.
3. In Quartus, select Project -> Add/Remove Files in Project…
   1. In the left panel (Category section) select **Libraries**
   2. **Change the path** of the Libraries to where you copied AD1939\_Qsys. Do this for both these folders:
      1. \AD1939\_Source\_Files
      2. \AD1939\_Source\_Files\IP

Note: you will have to remove and re-add

1. In Quartus, select Tools->Qsys
   1. Open soc\_system.qsys
   2. You will get a warning that AD1939\_DE0\_Nano\_Audio\_Card in not in the library.
   3. Close window
   4. In Qsys, select Tools->Options
      1. Change the IP Search Path to include \ AD1939\_Source\_Files
   5. Close window
   6. Save Qsys (File-> save)
   7. The component AD1939\_DE0\_Nano\_Audio\_Card should now appear in the library.
   8. Click Finish
   9. Click Yes, Generate now.
   10. Click Generate
   11. Click Finish when done.
   12. Click OK when it says you have created an IP variation file.
2. Compile Quartus and create a bit stream file (.sof).