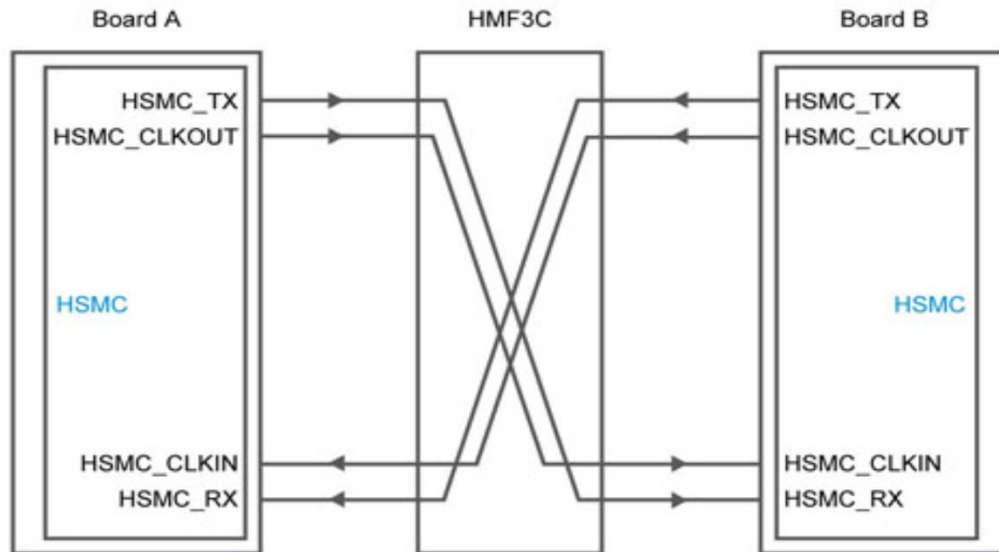


## HMF3C Height extension adapter card/ HMF3D Height extension adapter card

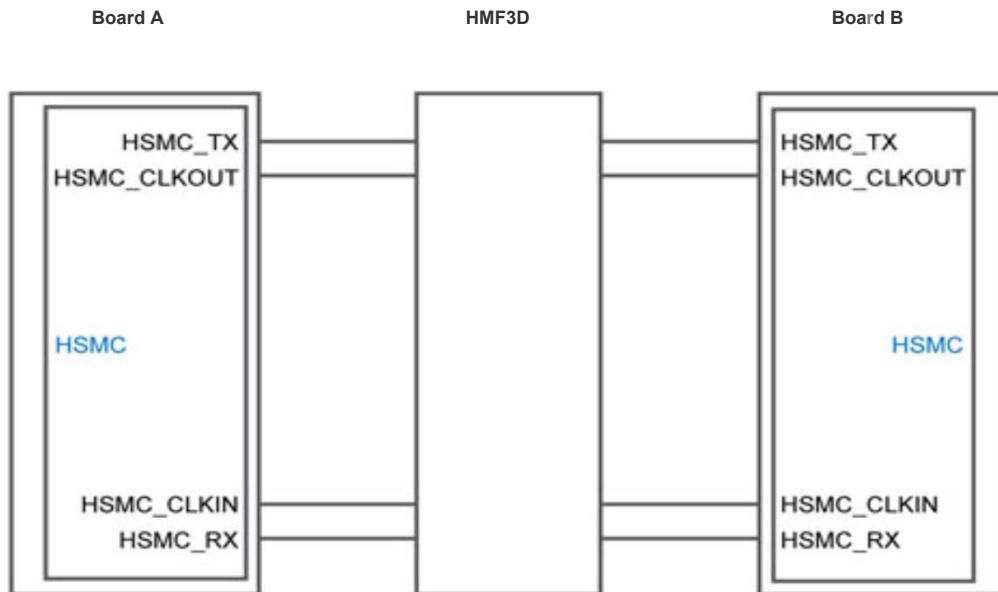


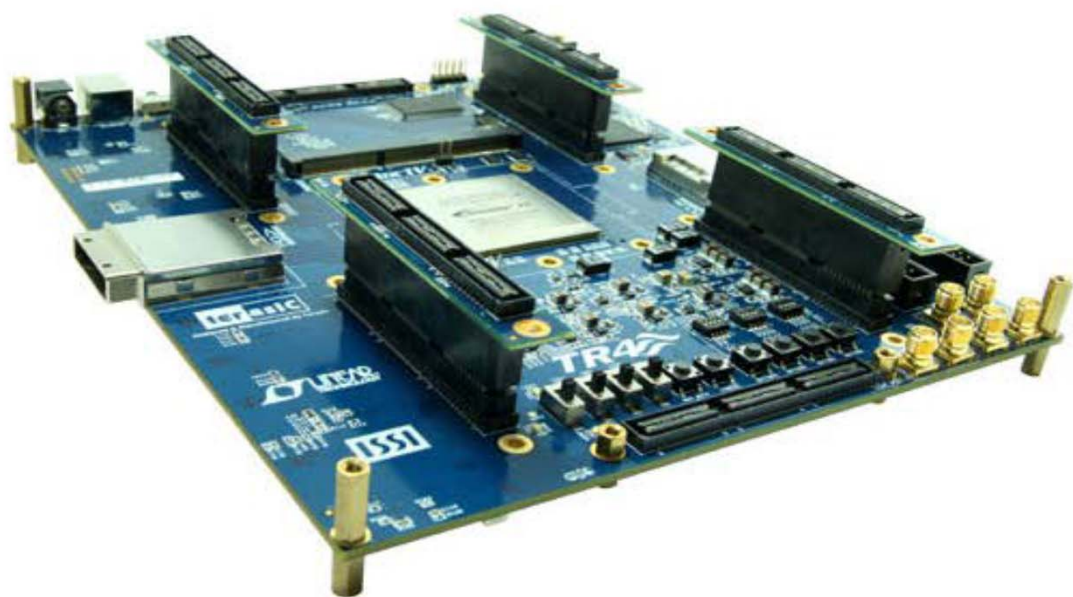
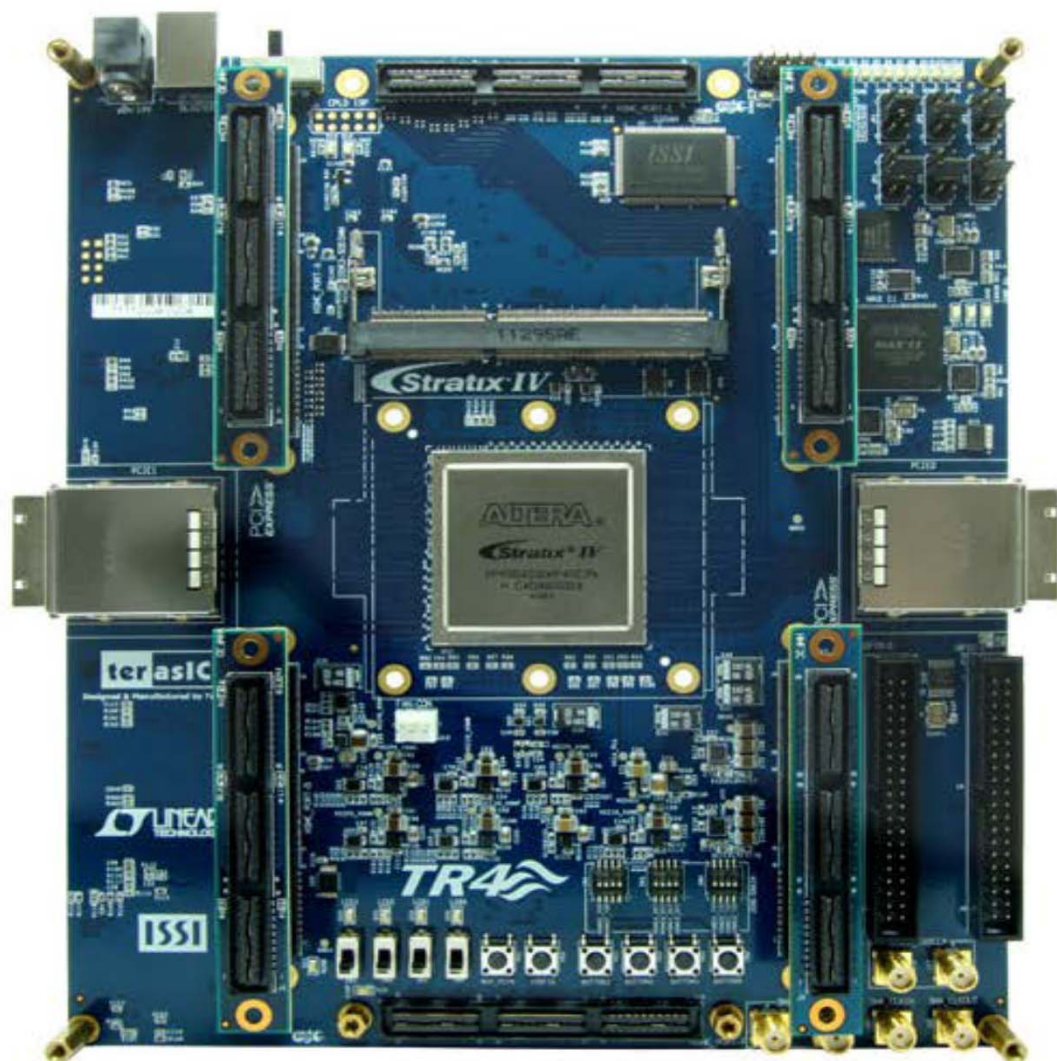
The High Speed Mezzanine Connector (HSMC) adapters HMF3C and HMF3D are general purpose adapters for extending the height of an HSMC port. If two main FPGA boards are to be stacked, an HSMC adapter card must be used. Presently, the HMF3C and HMF3D HSMC adapters are compatible for stacking. These adapters add the necessary height required to mount one development board on top of another.

The HMF3C not only serves the purpose of connecting boards together, but also enables signaling between the boards by crisscrossing connections of the TX and RX signals as shown below. This allows two FPGAs to engage in single-ended transmission as well as differential I/O data transfer.



If signaling between the two boards on an HSMC port is not required, the HMF3D can be used, where the block diagram is shown below. The HSMC TX and RX pins will not cross to connect with their respective input pins.







1. HMF3C Height extension adapter card  
Part No: S0171 Weight: 200g
2. HMF3D Height extension adapter card  
Part No: S0172 Weight: 200g