

If we're so good, why do we recommend you checking our work?

This is a great question. The answer is not so obvious though. Do we have confidence in ourselves and our abilities? The answer to that is an emphatic yes. But there are two very real reasons that checking what we do is necessary.

First, we are dealing with more than one person in the effort, and try as we might, one cannot define every aspect of the design. What we may "interpret" in your ideas or design notes may be different than your interpretations. This means that checking our work is a link of communication between us...in short, a necessary step. For example, If not pre-defined, a connector pin-out will emulate the manufacturer's specification. If the engineer had a different idea and did not convey that idea up front or the idea was misinterpreted, the result is disastrous. A simple 2 minute check can avoid thousands of dollars in lost materials and maybe hundreds of thousands in lost time.

Secondly, We are human. Ultimately, we must accept this fact and once we can accept this...we can understand that it is important to, as a team, check each other's work. In my career, I have seen literally thousands of netlists. I have only seen a dozen or so 100% correct on the first shot. We catch a lot of these mistakes. Its no big deal, if we can have the attitude of one hand washing the other, than we can work together as a team. Personally, I'm not perfect. It shocks people that I put this on my website...you know...that we can and do make some errors...I have typed 0.195" instead of 0.159". How many of you have even typed a letter to find absolutely no spelling errors or typos? So with this, I will say yes, we are human, if it is our issue we will handle it in a professional courteous way. You're human too. I hope you do the same. So, back to the original point. If we can check each other's work, we can minimize these kinds of things from happening.