

T-G-C electronics design

Case Study 3: Short Term Assignments – Another Pair of Eyes

Outline:

We are often called to give short term assistance – here are some examples of how we have helped:

Project stalled in R&D

Debugging a new product design can be a real challenge when unexpected behaviour is encountered. Having us review the design is often enough to identify the problem, often a typo or incorrectly connected net. Sometimes it's more complicated...

Early Product Failure

We were called in when an otherwise well designed product was failing in the field – we discovered that insufficient protection against static discharge at the USB port. We specified a method of retro-fitting protection to existing product.

Lost Communications

A product in the critical path of a broadcast operation occasionally mis-communicated with other products over a RS485 link. The manufacturer of the UART chip involved eventually revealed to us that there had been a process change, so we identified a pin compatible part from a trusted manufacturer which was fitted and resolved the issue.

Click [here](#) to see Case Study 4: Obsolete Parts & Reverse Engineering.