

COLLABORATION OVERCOMES NPI HURDLES

Prestwick Circuits GPS successfully helped one of its clients pioneer a new concept in PCB manufacture thanks to close collaboration and careful project management

During the past 12 months Prestwick has been assisting one of its major customers to develop a new concept in a metal finish PCB for use in a sophisticated sensor technology.

Initially a number of other PCB companies were involved, but the results were inconsistent. This new type of PCB was largely unknown within the industry, but using Prestwick's numerous contacts,

it has been successful in helping to drive the project forward.

During the development detailed discussions were held regarding the key design requirements of the metal PCB, addressing the previous technical problems. Prestwick defined and implemented a number of design changes as a result.

These included changes to achieve the adhesion and insulation properties required, pad height modifications, changes to the PCB finish and optimisation of the metal designs and panel utilisation. It was also necessary to convert the four layer to a two layer PCB.

These actions were managed between the customer, the PCB manufacturer, the metal supplier, the metal shape and the prepreg supplier.

Accelerating innovation

As the customer commented: "We struggled to get the process off the ground with our existing suppliers. Working with Prestwick however, we found a partner who was able to collaborate in our design process and deliver PCBs which met the challenging technical requirements.

"After Prestwick designed the process steps, it was able to assemble prototype and series supply chains for us, picking the right suppliers for us and working to hit our cost targets. It felt a bit like outsourcing part of the process development and purchasing functions, while maintaining the flexibility and responsiveness of an in-house team.

"Working with Prestwick allowed us to accelerate our pace of innovation."

Prestwick Circuits GPS
Global Procurement Solutions

Looking for help in sourcing PCB's???

Use the team at Prestwick
to help.



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