



PT PCB Tail for LED Power/Signal

BACKGROUND

An LED integrated solutions company required a power and signal connector for an outdoor advertising application. This company needed a connector with PC tails that could mount to an LED board and hold up in harsh environments.

PROBLEM

The old design utilized plastic connectors which could not withstand the high mating cycles required for this application. In addition, the plastic connector had a low locking force with its hex nut which did not lend itself well to environmental sealing.

AIO SOLUTION

Amphenol Technology Shenzhen designed a PT jam nut with PC tail contacts, using an anodized shell. By doing this the customer would have a connector that could resist severe corrosion from salt spray exposure up to 500 hours. The mating cycle rating would be significantly higher (500+) than a plastic connector and have an IP67 rating. Additionally, we provided them a cost savings solution by packaging the connector with an ATS supplied cable assembly.

