



Amphe-Lite for Power Generation Signal Distribution

BACKGROUND

A power generation manufacturer needed a signal connector to distribute data to its control units within a generator. The connector would have to be able to handle high vibration/shock and extreme temperatures while also being cost sensitive.

PROBLEM

The old design used a D38999 III connector which met all of the shock/vibration and temperature requirements. The manufacturer however did not like the price tag and felt it cost too much. In order to meet all of the specs with an alternate connector metal would be the only option.

AIO SOLUTION

Amphenol Industrial developed a low cost metallic version of the Amphe-Lite. The focus of the design was on cost reducing the shell and insert plus providing a 90° adapter. When completed this connector provided the customer with the same performance as the D38999 III but was much more in line with their cost expectations.

