



WTB - Two Way Wire-to-Board Connector

BACKGROUND

The Server/Data Center Technology markets have gone through a rapid expansion in recent years. In this time, customers have found the need for an integrated solution of positive and negative power transfer connections, and the ability to prevent mismatching all in a low profile, high current package.

PROBLEM

Due to space constraints on printed-circuit-boards, Amphenol Industrial Operations (AIO) was tasked with developing a new integrated two way wire-to-board power connector that could transfer a large amount of current with our Amphenol R4 RADSOK® Technology:

- Low profile design
- High current: 70A, withstanding voltage: 500V DC
- Integrated positive and negative poles in one housing
- Prevents mismatching

AIO SOLUTION

AIO developed a new two way wire-to-board connector designed to carry 70 amps through a 6 AWG cable harness. This is ideal for power transfer via harness to PCB of the server or other devices. With this two way WTB, one port is for the positive side, and the other for the negative side, while providing for mismatching protection to avoid short circuits. The female connector is affixed by reflow soldering on the PCB, and comes packaged on tape & reel. The plug side is made up of a plastic housing, crimp pin and cable harness, can withstand 500V DC, has low temperature rise, and super flex cable available.

Please contact Amphenol for more product details.