



## UNIQUE CONTACTS - UNIQUE PERFORMANCE



### THE ULTIMATE GOAL

The ultimate goal of a piece of ICT connecting hardware is to help deliver information from one point to another without losing a single bit of it. The key factor in such transmission lines is maintaining their electrical uniformity from transmitter to receiver.

How can we maintain the transmission line uniformity in a connector to ensure its transmission performance from the point of cable conductors' termination to the point of contact between plug and socket?

This is made possible by a spatial system of electrical conductors having different shapes and sizes, which includes the socket contacts. Electromagnetic interactions between the conductors create a waveguide with required properties. That's why we can see various configurations of the socket's eight contacts with different conductor lengths and different positioning of contacts relative to each other.

None of the configurations can be considered better than the others, each is unique to a particular connector design and electrically balanced with cables and plugs.

Contact our Technical Support today for any additional questions:

[techsupport@signamax.com](mailto:techsupport@signamax.com) or **1.800.446.2377**

