

Products for Printed Electronics

Nicomatic specializes in products and services for the PEMS industry.



DO NO HARM: CONNECTORS FOR DISPOSABLE MEDICAL SENSORS

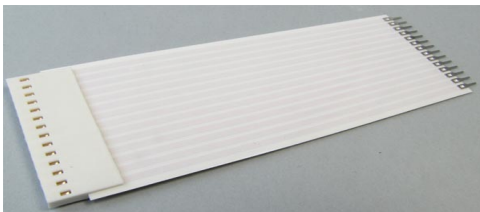
Many connector application environments present challenges -- like temperature extremes, contact with harsh materials, vibration and other forms of wear – all of which can jeopardize signal integrity and durability.

But what happens when familiar materials used throughout the industry for connector fabrication create their own problems, problems unconnected to the main mission of achieving high performance interconnection? What if, in addition to protecting a connection, the connector had to provide protection against other things?

This was the challenge to connectors used in emergency rooms, operating theatres and places where medical procedures are performed. This was particularly true of connectors used with sensors applied to the skin using chemicals and gels.

In this unique environment, the black thermoplastics used in standard connector housing materials could not be used because they reacted with some of the chemicals, solutions and gels used during these procedures, presenting a hazard to the patient and, potentially, unknown compromises to the procedures themselves.

Nicomatic responded with a unique and revolutionary version of its Crimp Housing [OM (H) or OL (H)] made of PPCH, a composite of Polypropylene and chalk which does not react with human skin or the products used on skin during medical procedures. The product has gained the confidence and approval of medical service providers because it reduces the opportunity for harm to patients and reduces liability risk from unexpected chemical reactions which may cause harm.



Nicomatic works with customers on these kinds of design challenges because it possesses fully-integrated capabilities for development, testing and production of customized applications. Worldwide, its engineering team is accessible and prepared to address its customers' most challenging applications.

To find out what Nicomatic can do to improve the performance of your medical products, contact your Local Sales Support for more Details, FREE Samples, Literature and/or Technical Support.

Which Housing Prevents Harmful Reactions to Humans?

- A). Traditional Black Thermoplastic Housings
- B). Cutting Edge Chalk Material Housings**
- C). Durable Thermoset Housings

If You Picked "B" You are Correct.