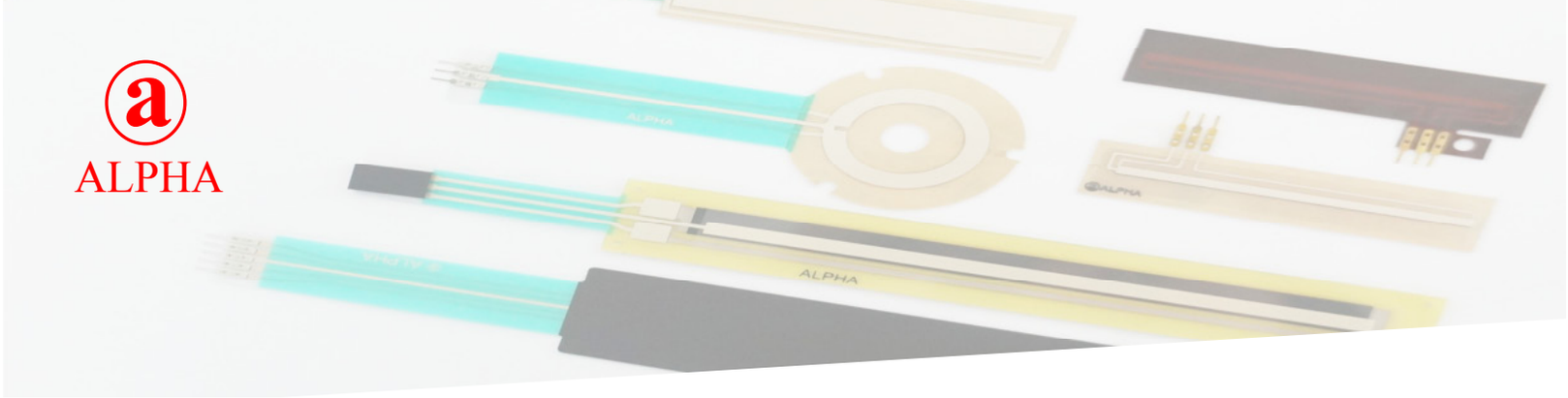
ALPHA

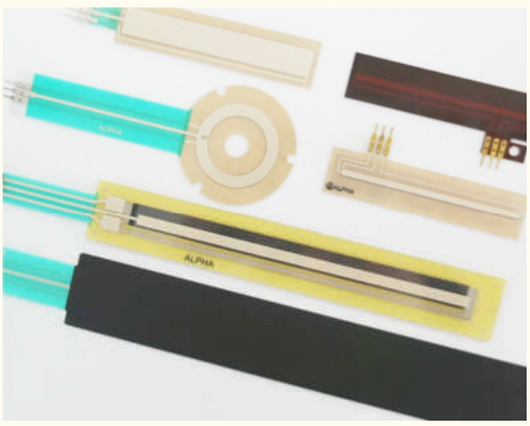


Membrane Position Sensor for Lighting Control

The Challenge

More than just illuminating, the creative use of lighting makes buildings more functional and attractive. Except looking for new technology to make systems easier to install, the most difficult task is enhancing the space and establishing the mood and the atmosphere. The basic concern of this project is to develop a device capable of sustaining high soldering temperature in the assembly process. Another challenge is to be slim and compatible with the form factor of the dimmer controller, hence providing ease of packaging for other components to build a concise and soft feel of lighting atmosphere.

The Solution



For the challenges, the membrane position sensor based on polyimide substrate is designed by Alpha to endure the soldering heat as high as 85°C. Furthermore, its flat and flexible properties allow easily customization into restricted design space and wiring layout, thus facilitating the assembly process. Going beyond the basic requirements of robust reliability, energy-saving, and cost effectiveness in lighting design, the extremely compact membrane position sensor serves optimally as a tactile, distinct and sleek control interface. With decades of experience offering innovative and robust electronics solution to the lighting control application, Alpha's membrane position sensors again offer customer the next generation of sensible device.

In addition to the lighting control, Alpha can offer custom solutions of membrane position sensors to the requirements of various applications.

ALPHA
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