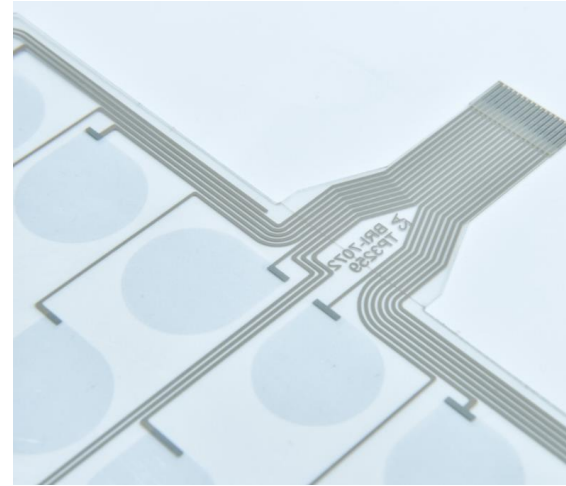




MS Product Categories

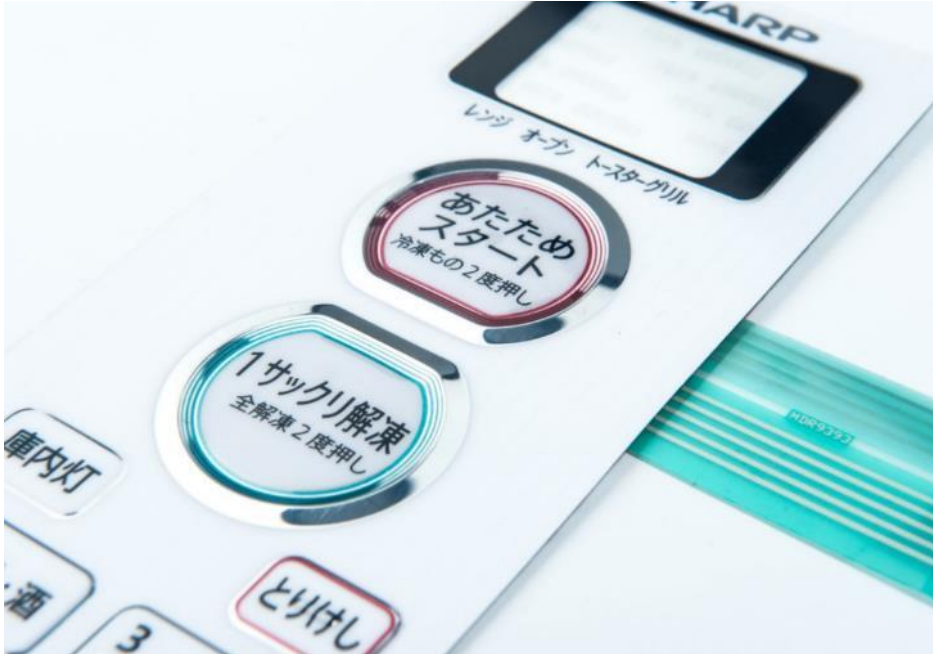
MS Product Line – Printed Touch Solutions

Dignity Electronics supplies both standard and custom-manufactured lines of touch screens and LCD touch modules. We offer an extremely high degree of product customization – everything from product size, touch screen construction, screen enhancements, touch controller, cover lens materials and silk screening, etc. With in-house software and product engineering teams we can provide the right solution for a range of industries, applications and requirements.



Membrane Switches	Capacitive Touch Switch
Overlays	Touch foil
Membrane switch	Touch foil + cover lens / IC
Membrane switch w/ integrated lighting	Touch foil + IC + cover lens
Membrane switch w/ integrated domes	Capacitive switch display module

MS Product Line – Membrane Switch Overview



Size: As per client requirement

Substrate: PC, PVC, Silicone, etc.

Interface: Pin, USB, FPC, etc.

Customization: Material, tactile interaction, anti-bacterial coatings, etc.

Our membrane switches have been used in home appliances and industrial applications for more than twenty years by the world's largest white goods corporations – we currently provide roughly 25% of the world's microwave interfaces. With our considerable experience in producing quality HMI products for a range of products, Dignity's product team can provide the right solution for your needs.

Our membrane switch technology is the standard for most HMI projects, and while it does not have the same visual appeal or design flexibility as capacitive switches or touch panels, membrane switches are cost effective, reliable and an extremely mature technology.

Advantages: cost effective, mature and flexible technology for rapid, high-volume production as well as lower volume uses. High sealability and reliability.

Application: Home appliances, industrial control projects, medical devices, instrumentation and other commercial project uses.

- Variety of textures, colors and designs available
- EMI shielding, tactile metal domes and other functional enhancements possible
- Flexible minimum order quantities

MS Product Line – Membrane Switch Advantages



Light & Compact

The average membrane ranges from several grams to tens of grams in weight, making for easy and low-cost transportation and assembly.



Superior Electrical Conductivity

The switch's electrical switch can use a variety of carbon and silver-based conductive and dielectric inks. The electrical circuit layer is extremely flexible and electrical resistance & conductivity are easily controlled.



Long Life Span

As the materials used in membrane switches have excellent insulation, heat resistance, flexibility and mechanical properties; combined with our screen printing technology and reverse printing means that lifespan can reach up to five years or more.



Sealed / Waterproof / Dirtproof

Through the use of various sealing technologies, membrane switches can be made waterproof, oleophobic, dirt resistant, static-electricity resistant, etc.



Low Cost Solution

Due to the mature nature of our membrane switch production technique and supply chain, the cost is extremely competitive compared to other switch mechanisms.



Enhanced Appearance

The combination of advanced screen printing technology with experienced product design mean that we can realize any appearance requirements.

MS Product Line – Product Enhancements



Connection Method	Cover Material	Overlay Decoration	Value Added Options
Pin Connectors	PC	Screen Printing	LED/EL Backlighting
USB	PVC	Transparent or Tinted Windows	Polyester, PC, PET, PVC, Silicone Substrate
FPC	FPC	UV hard-coat surface finish	EMI Shielding
–	PET	Selective Textures	Plastic and Metal Tactile Domes/Switches
–	Silicone	Graphic Overlays	Gasket & Sealing Integration
–	–	–	Backplate

Note: Additional enhancements and product options are available upon request.

MS Product Line – Membrane Switch Applications



Microwave Oven / Cookers / Washing Machines



Industrial Controls

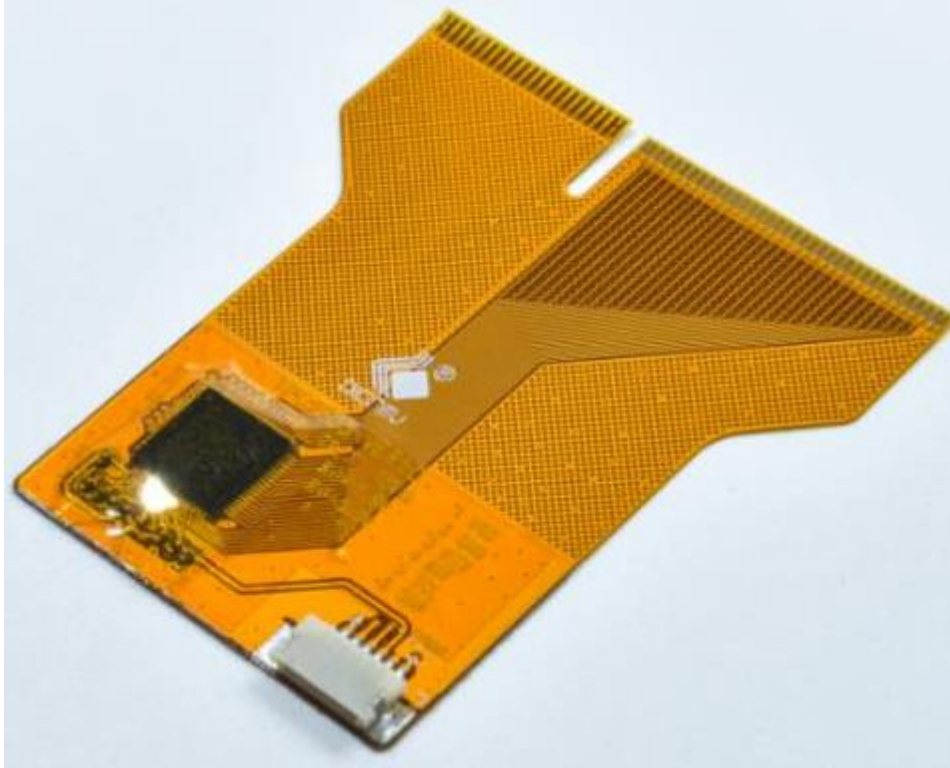


Instrumentation



Medical Devices

Why Dignity Electronics? - Dignity's Core Advantages



Our Key Advantage

Why are companies as diverse as a boutique HMI suppliers in the US, a Korean industrial monitor provider to a Chinese Fortune 100 corporation working with Dignity Electronics?

1. Reliability

Global supply chains are increasingly fragile – increasingly volatility means reliability and stability is a crucial aspect of supplier selection.

2. Boutique Service / Large Company Capabilities

We have the scale and expertise to supply the world's largest white goods company, but are set up to provide a level of service most large suppliers can't or won't.

3. Dedicated Project Teams

We assign dedicated project teams, including project and design engineers, sales and sales support personnel to handle all key projects and reduce communication costs and project slippage.

Why Dignity Electronics? – Dignity’s Commitment

Some reasons why we are the preferred partner for both multinationals and SMEs for a range of touch solutions:



Extensive Category Experience

We have more than 20 years in the field of HMI solutions and 10 years of touch panel design, production and engineering experience.



First Class Production Capabilities

A modern, flexible and fully equipped production facility allows us to meet the capacity and quality demands of any customer.



Superior Quality Control

We have a rigorous and time tested quality system and structure that has allowed us to work hand in hand with some of the largest and most demanding multinationals.



Superior Service

We have a fully capable engineering, design, project management, logistics and operational team to provide complete service to our customers.



Lead Time Reduction

Our average lead time is less than 20 days for repeat orders and we can provide a design solution for most customers within 3-4 days.



Product Life Extension

We typically offer a year warranty as standard on most products, more than five years of product line availability and free software update services in perpetuity.

Contact Us



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