

Bondtec..

**BONDTEC TECHNOLOGY CO., LTD.**

2F., No.4, Ln.348, Sec.2, Zhongshan Rd., Zhonghe Dist,  
New Taipei City 23557, Taiwan (R.O.C.)  
TEL : +886-2-22494304  
FAX : +886-2-22494359  
[Http://www.bondtec.com.tw](http://www.bondtec.com.tw)  
E-mail: [bondtec.com@msa.hinet.net](mailto:bondtec.com@msa.hinet.net)

MEMBRANE SWITCH • NAMEPLATES • RUBBER • FPC



**Bondtec..**  
BONDTEC TECHNOLOGY CO., LTD.



## COMPANY PROFILE

Since Bondtec. was founded from 2000 year. Characteristics as integrity 、profession 、devotedly service basing on customers-oriented consideration, are the competitive core that guild us so far and firmly in membrane switch field under highly competitive electronic parts profession.

Bondtec. was qualified by ISO 9001 in 2005. Not only we cooperated with reputable domestic manufacturers from the beginning but also gradually proceed towards the international stage. Constantly we keep ruling out the blind spot occurring during our procedure striving of creating added value, moreover, heavily expense was invested on sophisticate and advance machine for improving quality and production efficiency. In this way we are able to implement target in cost-down, shorten delivery time over than our expectation, in order to fulfill the necessity from customers and create a double-win circumstance on both sides.

Mainstreams such as: Flexible PCB 、Rubber Keypad 、membrane switch and nameplate....etc. are among variety of our production, the applicable fields that corresponded to the those products are comprehensive, which included cell phone 、central air-con 、remote controller 、medical apparatus 、bulk industrial machine....etc..

Powerful technical-supporting is what we are proud and capable of supporting for our customers, to ensure no fault happened while proceeding assembly. Individually customized services are definitely offered with our diligent dedication for the purpose of emphasizing customers' reputation as well as ours.

### Corporate Philosophy:

1. Customer-oriented service: we are going to tailor suitable and effective layout base from clients needs, or rule out blind spot in customer-side.
2. Internal Managements: Sincere interaction among staffs 、transparency in personnel management 、employee-orientation 、teamwork-focusing to achieve prefixed targets.

### Environmental Policy:

1. Echoing to specific environment regulations and green-earth aspects.
2. Utilizing limited natural resource 、solidly implement source recycling.
3. Encourage whole staffs to ascertain carbon saving action in daily life and environmental protection.



## Characteristics of Nameplate

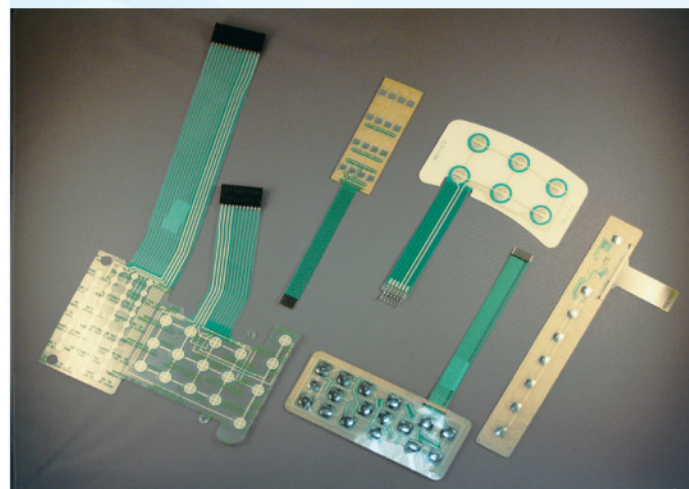
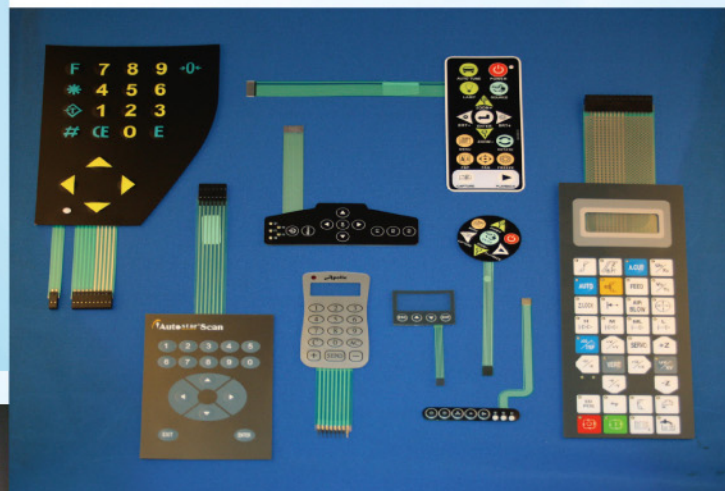
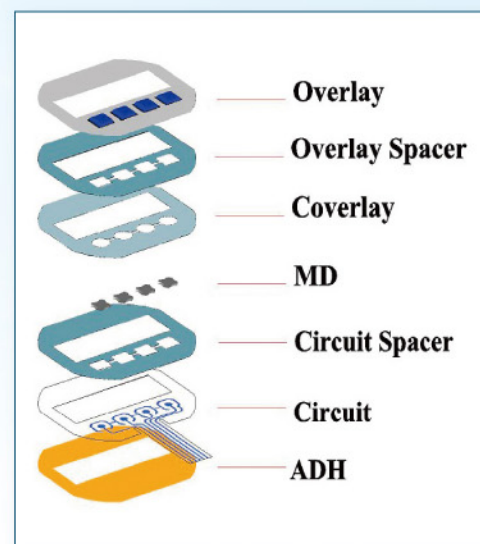
- \* Colorful
- \* Diverse materials
- \* Different surface treatments creating different visual effects





## Characteristics of Membrane switch

- \* Low in cost
- \* Volume is light, think, short and small
- \* colorful
- \* wear resisting, scratch proof, waterproof, oil resistant
- \* Easily to be assembled
- \* Can be custom – made to you need



## Membrane switch

### Electrical

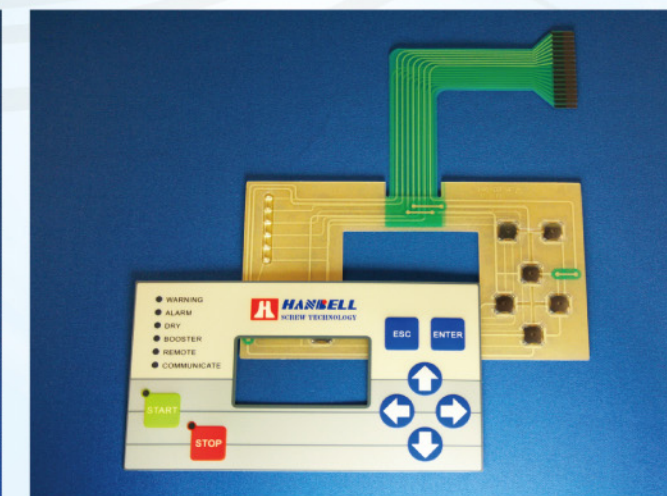
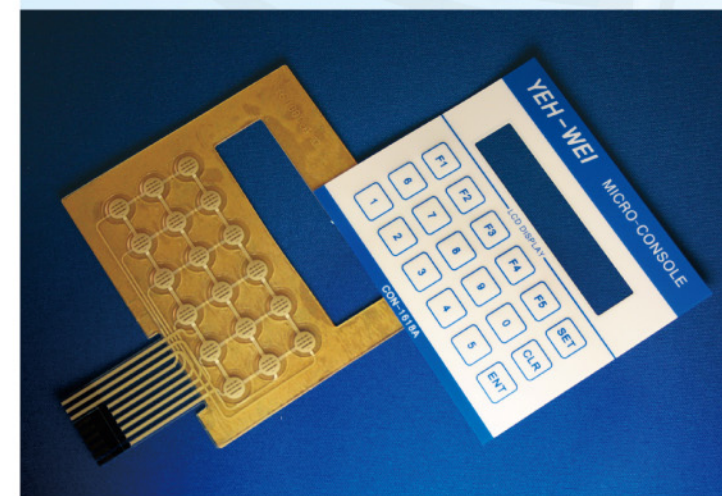
Maximum circuit rating	35V( DC)100mA 1W
Contact resistance	10Ω ~ 500Ω
Insulation resistance	100MΩ at 100V DC
Dielectric withstand	250 V Rms (50~60 Hz 1 min.)
Contact bounce	≤ 5ms
Life expectancy	Flat type ≥ 5,000,000 times
	Metal Dome ≥ 1,000,000 times
	Mylar Dome ≥ 2,000,000 times

### Mechanical

Actuation force	Flat type = 60 to 300 g (2 to 10 oz)
	Tactile type = 180 to 400 g (6 to 14 oz)
Switch stroke	Flat type = 0.1 to 0.5mm
	Tactile type = 0.6 to 1.5mm

### Environmental

Operating Temperature	Flat type / Metal Dome type: -40 °C to +80 °C
	Poly Dome: -20 °C to +55 °C
Storage Temperature	Flat type / Metal Dome type: -40 °C to +80 °C
	Poly Dome: -40 °C to +55 °C
Humidity	40 °C , 90% ~ 95% for 240hrs





## Characteristics of FPC

- \* Lighter, thinner and shorter
- \* Controllable electrical properties
- \* Resistant to bending
- \* Easy to install and maintain
- \* Resistant to high temperature

Base Material	PI、PET	Solder heat Temp	PI:280°C
Thickness of base copper	18μm/35μm		PET : 243°C
Max Panel Size	400mm*250mm	Surface treatment	Gold plating : 1μ"~10μ"
Min hole diameter of drilling	φ 0.15mm		Immersion gold : 1μ"~5μ"
Min Hole diameter of punching	φ 0.5mm		OSP
Min trace width/Min space	0.075mm		Immersion Tin : 2μ"~40μ"
Peel Strength	1.0kg.f/cm		Tin plating : 200μ"~1000μ"
Multi-layers	Max 3 layers	Dimension of Tolerances	Conductor Width : ±0.03mm
Passive Component	Min.0201		Outline Dimension : ±0.1mm
Connector	Min. Pitch0.3mm		Apply Coverlay Tolerance : ±0.3mm
Stiffener	PI、PET、FR4		Hole Diameter : ±0.1mm

## Characteristics of Rubber Keypads

- \* Environment-friendly and non-toxic
- \* Tactile
- \* Can be combined with plastic materials
- \* Excellent backlight effects
- \* Long service life

Actuation Force	450g
Maximum Circuit rating	5mA at 12VDC
Contact Bounce	< 10ms
Insulation Resistance	100MΩ at 500V DC
Life expectancy	≤5,000,000 times
Operating temperature	-40 °C to +150 °C
Storage temperature	-40 °C to +150°C

