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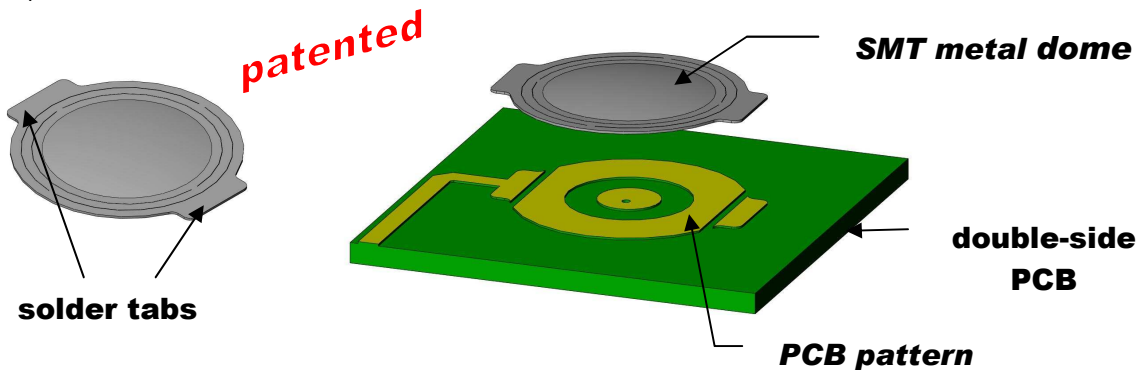
## SMT DOME®

**INNOVATION**  
**contact us !**

With over 100 standard references available, NICOMATIC metal domes are used in any type of Man/Machine Interface (MMI). The most common application lies in mobile phone handsets with smaller diameter domes: 4mm & 5mm round domes and 6mm 4-legged domes. As regards 8,4mm, 10mm & 12,2mm 4-legged series, every kind of push-button for front panels and membrane switch keypads can integrate a METAL DOME from NICOMATIC.

### CONCEPT

- Long life and ultra-thin tactile metal dome switching component for surface mounting technology and placement onto printed circuit boards.
- establish the mechanical and electrical contact by manually activating the SMT dome on printed circuit boards or other surfaces comprising a circuit portion (double-side or multi-layer PCB)



### ADVANTAGES

All the benefits of a standard METAL DOME: TACTILE FEELING, HIGH CLICK RATIO, LONG LIFE EXPECTANCY extended to the Surface Mounting Technology (SMT):

- accurate and fast placement on solder area.
- effective and durable maintaining of the component by soldering on the PCB.
- product design allows automatic placement by standard Pick & Place systems.

### TECHNICAL FEATURES - complies with NICOMATIC Standards of Quality

#### MATERIAL

Stainless steel  
 RoHS Directive compliant  
 REACH regulations compliant

#### PLATING

Ni plated + optional selective Ag or Au plating on solder area

#### ELECTRICAL

Rated voltage: up to 100V RMS  
 Rated current: 5µA to 100mA  
 Switching capacity: 1W  
 Contact resistance < 100mΩ

#### ENVIRONMENTAL

Operating temperature: from -40°C to +105°C  
 Storage temperature: from -55°C to +125°C

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