



[promultis]

Object Recognition Pucks

Detect Physical Objects with Projected Capacitive technology



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DETECT PHYSICAL OBJECTS ON TOUCHSCREENS

Based on projected capacitive technology

Promultis object recognition works with projected capacitive (PCAP) technology. The capacitive touch screen is activated by human touch, or in this case conductive tags of object recognition, which serves as an electrical conductor to stimulate the electrostatic field of the touch screen. The object is recognized when the tags interfere with the electric field projected above the surface. This change in capacitance is detected by the controller which interprets the X and Y coordinates of the event.

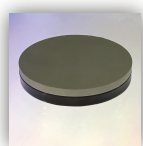
Tags with no battery

The object recognition tags require no power or battery. They are passive, which gives them much more flexibility and durability.

TAG OPTIONS



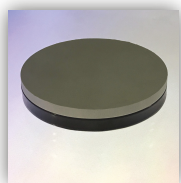
SLIM



DIAL



SLIM



DIAL

TAG

The smaller tag will allow up to 6 objects to be recognised by the projected capacitive technology.

TAG+

The larger tag+ will allow up to 16 objects to be recognised by the projected capacitive technology.

SPECIFICATIONS TAG or TAG+

Touch technology	Projected Capacitive
Glass Thickness	Up to 4 mm / Up to 0.16 inches
Number of different tags recognized	TAG 6 TAG+ 16
Tag diameter	TAG ø 94 mm / ø 3.70 inches TAG+ ø124mm / ø 4.88 inches
Tag thickness	13 mm / 0.512 inches
Tag weight	TAG 35 g TAG+ 47 g
Materials	Biodegradable thermoplastic polymer
Number of contact points per tag	Up to 4 contact points
Detection	Position, Drag and Rotation Angle
Communication protocol	TUIO 1.1 and 2.0
Software	Promultis connect
Supported OS	Window 7 or higher
Number of tags per pack	TAG 6 units TAG+ 16 units
SLIM	Tag made of Biodegradable thermoplastic polymer perfect for integration
DIAL	Knob Type of tag; aluminum with plexiglass ring including all and ready to use
POWER CONSUMPTION	
Power required	Battery Free
WARRANTY	
Warranty	2 years

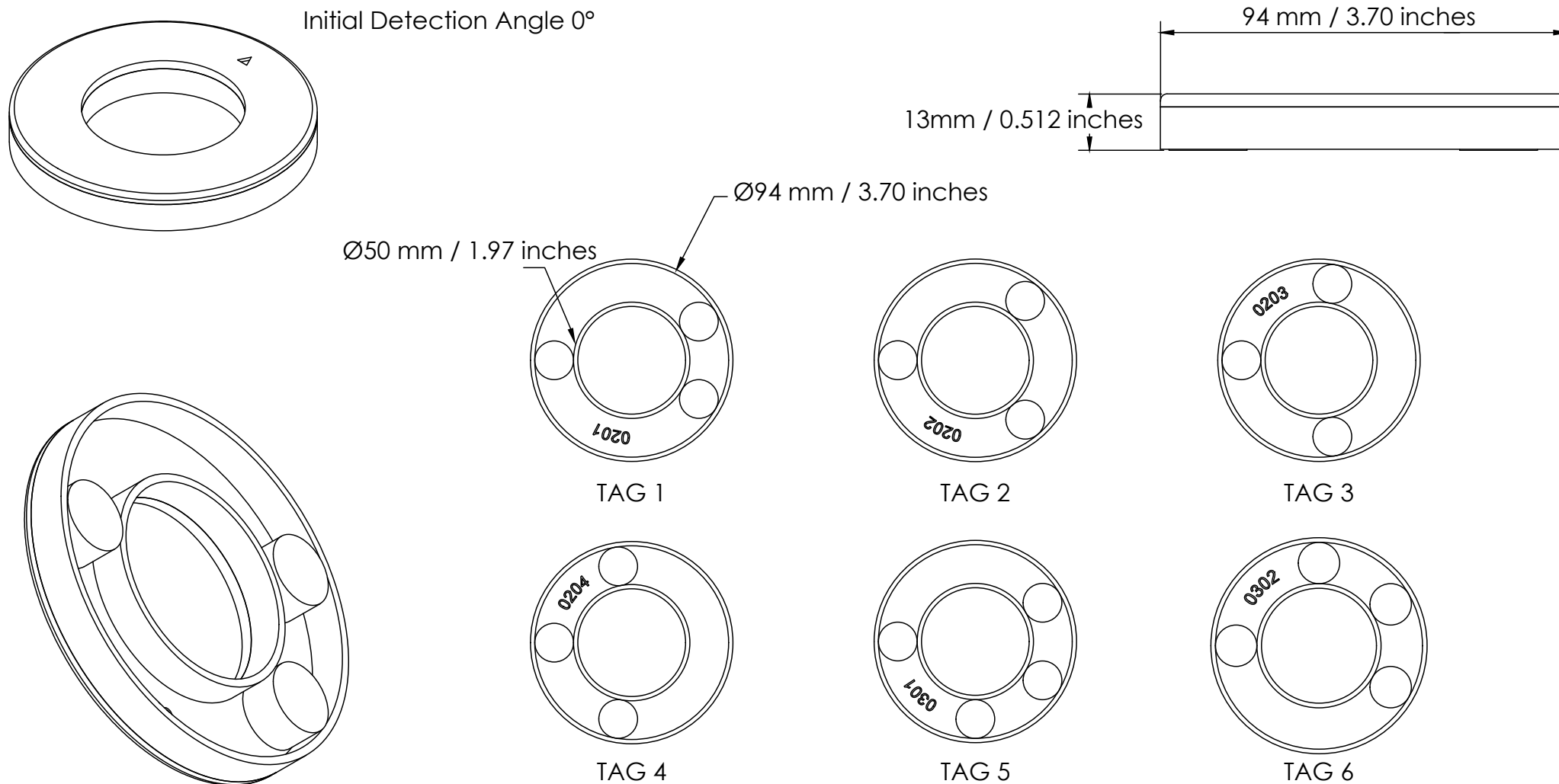




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Object Recognition Tags

Allows up to 6 objects to be recognised by the projected capacitive technology



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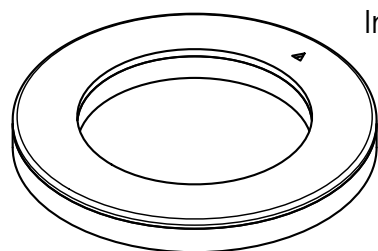
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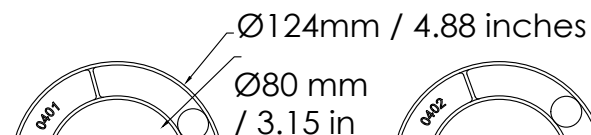
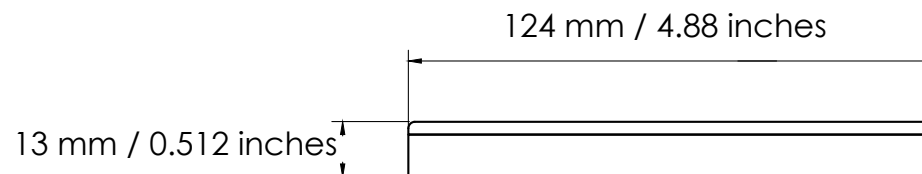
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Object Recognition Tag+

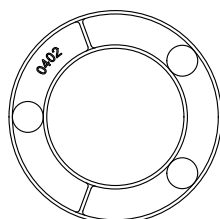
Allows up to 16 objects to be recognised by the projected capacitive technology



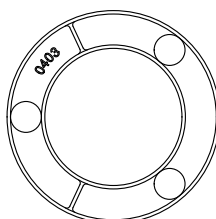
Initial Detection Angle 0°



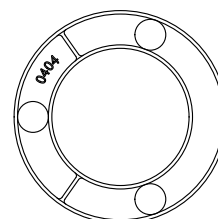
TAG 1



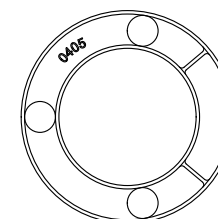
TAG 2



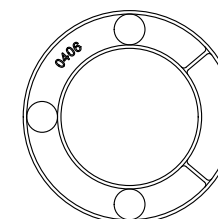
TAG 3



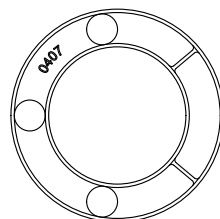
TAG 4



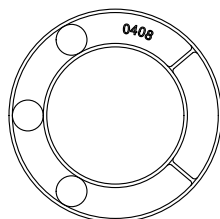
TAG 5



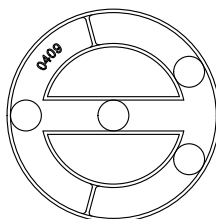
TAG 6



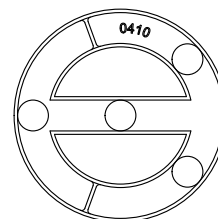
TAG 7



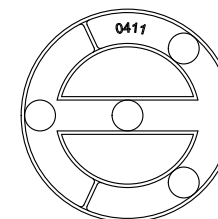
TAG 8



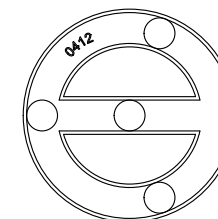
TAG 9



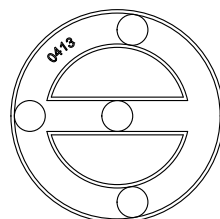
TAG 10



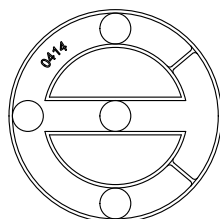
TAG 11



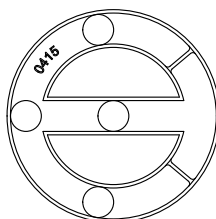
TAG 12



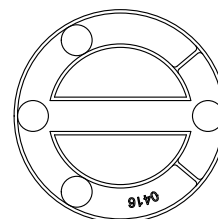
TAG 13



TAG 14



TAG 15



TAG 16



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