Dimensions

66mm
42mm
25mn
27mm
36mm
66mm

TL7 with an optional fixation frame

Fixation

* fixation frame is optional available

Active Area

* conductive rubber size:

    10mm *48mm (active area)**

* must be positioned directly on top of the surface of the device under test
* made for plane surfaces basically

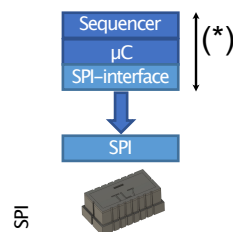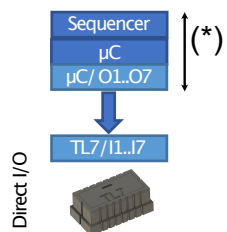trigger distance: 7mm
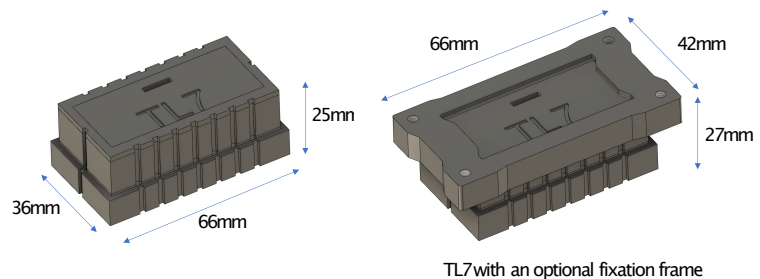
48mm
10mm

█ active area
▍ non active area

Interfaces

* finger movements like swipe can be driven in a sequence / choreography

run by an external µC like e.g. Arduino or Raspberry PI or any other µC (*) with a 5V interface

* available interfaces:

direct 5V input for each trigger

SPI interface

```
Sequencer        (*)
µC
µC/ O1..O7
     ↓
TL7/ I1..I7
```
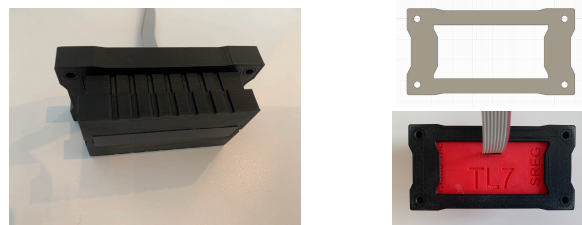Direct I/O

```
Sequencer        (*)
µC
SPI–interface
     ↓
SPI
```
SPI

TL7

7 Point Trigger for Capacitive Touch Panels

Triggering

* max 7 trigger points can be used for actuation
* actuation choreography done by connected external µC (*)
* intermedia point actuation for smoother finger movement possible

7mm
●●●●●●● main trigger points

7mm
●● intermediate trigger points ●●●●●
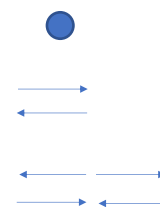
Parameters

* TL7 is a single line 7 dot touch trigger for capacitive touch panels only
* Max. switching speed is for each element: 1ms
* can be driven directly from a 5V µC output or interface

Umax= 5V, Imin 10mA per single trigger

SPI interface available (optional)

* max switching speed 1ms per single trigger
* Each trigger can be controlled separately
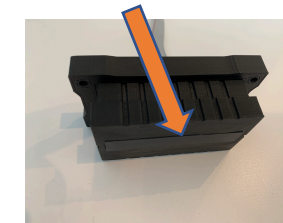* Housing is made of 3D printed ABS
* Operating temperature range

−20°C<T<+85°C

* Lifetime of each element typical: 10^8

Triggering Types

| TOUCH | SWIPE | ZOOM IN | ZOOM OUT |
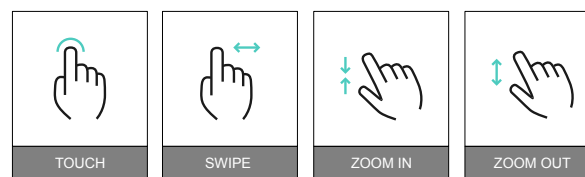
* single point activation
* linear movements inside 0–48mm possible
  – swipe
  – zoom in zoom out

BRANDO-TECH

Cetin Barut, Poster TL7, V1, 06/21

(*) is not included with the TL7 (**) design changes without notification