RF 15, gold, spot illumination, 2.9 ± 0.6 N, lamp green, bezel transparent, 1 NO



Description

The RF 15 gold tactile switches have a 15 x 15 mm edge length, reliable gold contacts and a noticeable click. They are used in flat data entry keyboards under overlays or under keycaps, such as RAFI RK 90 keycaps.

Flat data entry keyboards with RF 15 elements should be constructed in a 19.05 mm grid. With this grid, strips of glue remain between the individual keys on the front panel. The overlay, which we recommend embossing above the key switches, can be glued onto these strips of glue.

RF 15, mit Gold-Kontakten, Punktausleuchtung mit 1 LED in verschiedenen Farben. Die LED sitzt in der Ecke des Tasters.

CE

technical data

general

Bezel color	transparent
Luminous element color	green
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, min.	-25 °C
Storage temperature, max.	70 °C
illuminated	Yes
Luminous elements	Spot illumination 1 LED
Soldering time for manual soldering, max.	5 sec
Soldering temperature for manual soldering	350 °C
Soldering temperature for wave soldering	260 °C
Soldering	Manual / wave
Solder heat resistance according to standard	DIN EN 60068-2-20
Packaging	Tube
Packaging unit	32 pcs.
Net weight	2.6 g
Operating life	1,000,000 cycles
B10	1,300,000 cycles
Minimum order quantity (MOQ)	32 pcs.
RoHS compliant	Yes
REACH compliant	Yes
Country of origin	DE

direct links

RAFI eCatalog

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mounting diameters

Outside dimension, length	15 mm
Outside dimension, width	15 mm
Outside dimension, height	9.7 mm
Installation height	9.7 mm
Grid, min.	19.05 mm

mechanical data

Terminal on the rear	THT
Fixing	Soldering
Actuation function	momentary contact function
Operating force, max.	100 N
Operating force, min.	2.9 ± 0.6 N
Contact function	1 NO
Contact system	Snap-action contact
Contact material	Gold
Solderability	Yes
Switching travel	0.5 + 0.3 mm

electrical data

Operating voltage of the luminous element, min.	2 V
Operating voltage of the luminous element, max.	5 V
Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Operating current of the luminous element, max.	30 mA
Rated current, min.	0.00001 A
Rated current, max.	0.1 A
Rated power, max.	2 W
dropping resistor	no
Contact resistance new status	0.1

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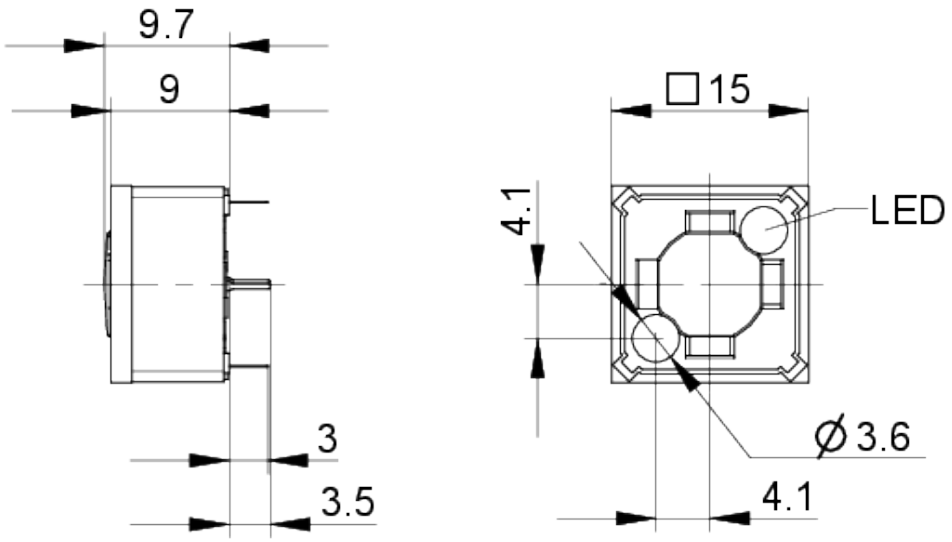
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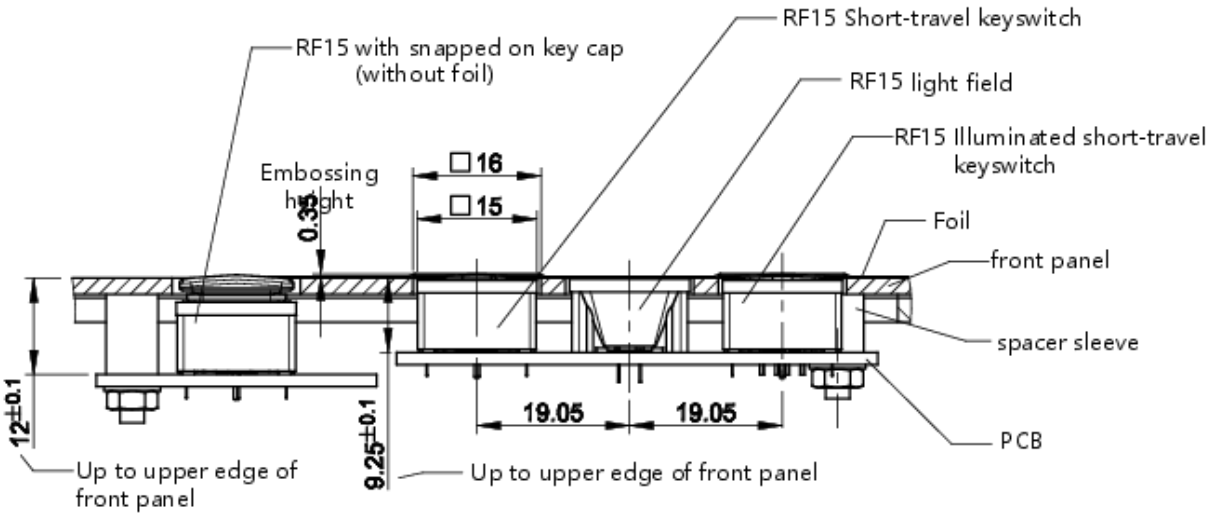
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drawings

Dimensioned drawing



System drawing



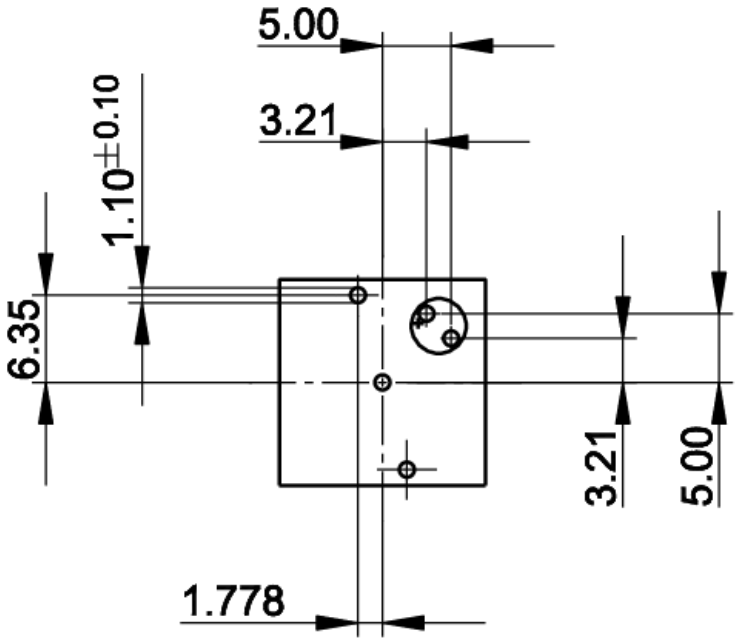
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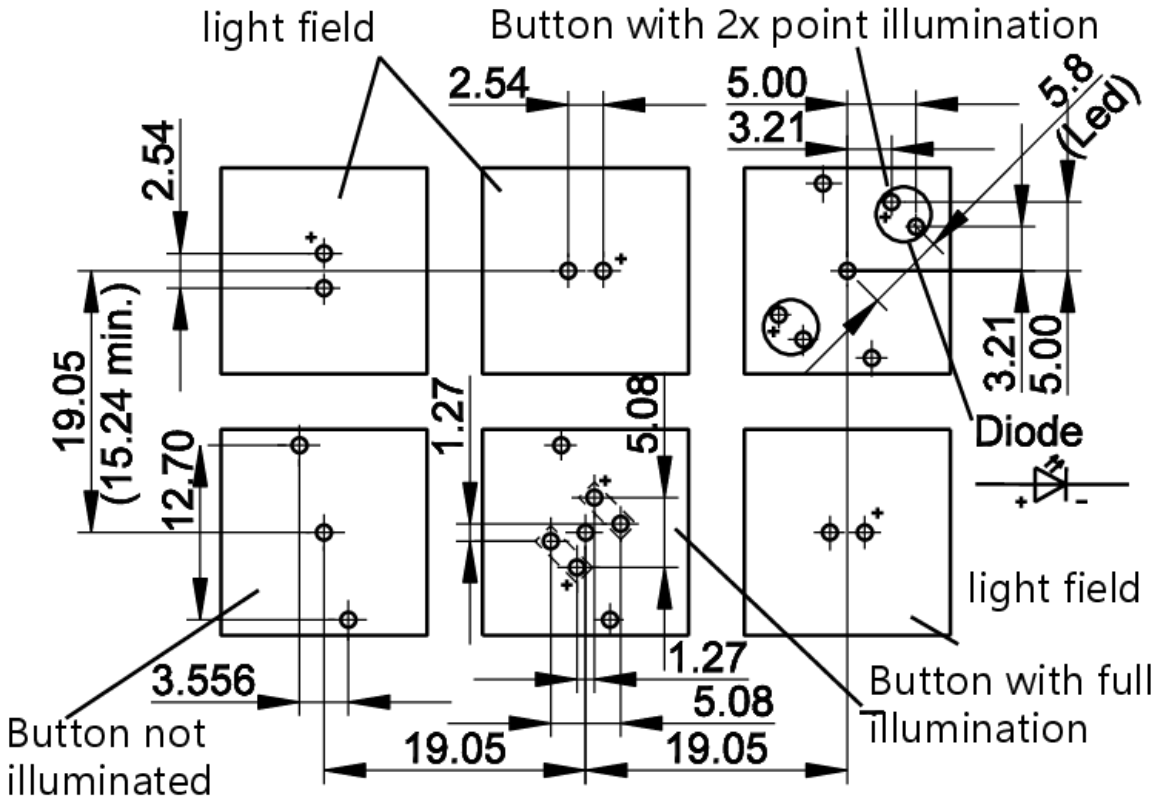
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PCB drawing



Button with 1x point illumination

PCB drawing



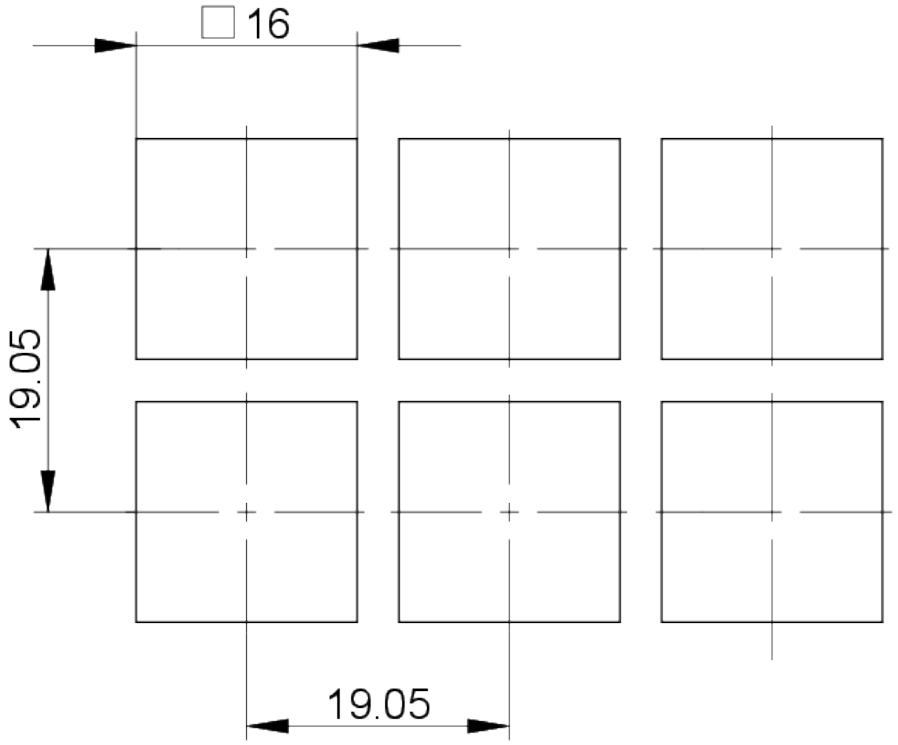
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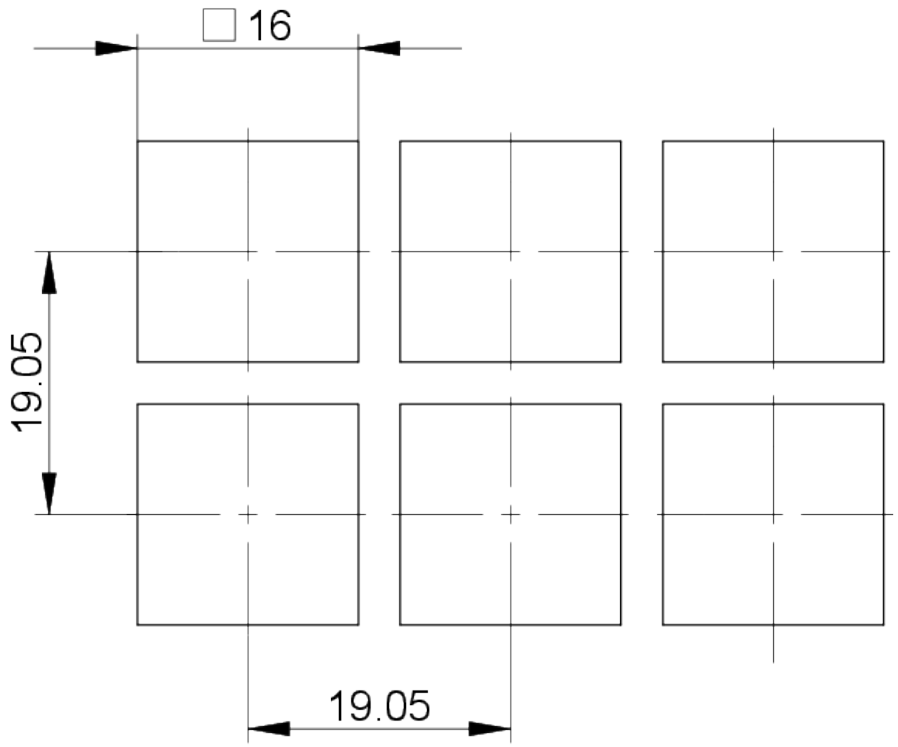
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front panel drawing



front panel drawing



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