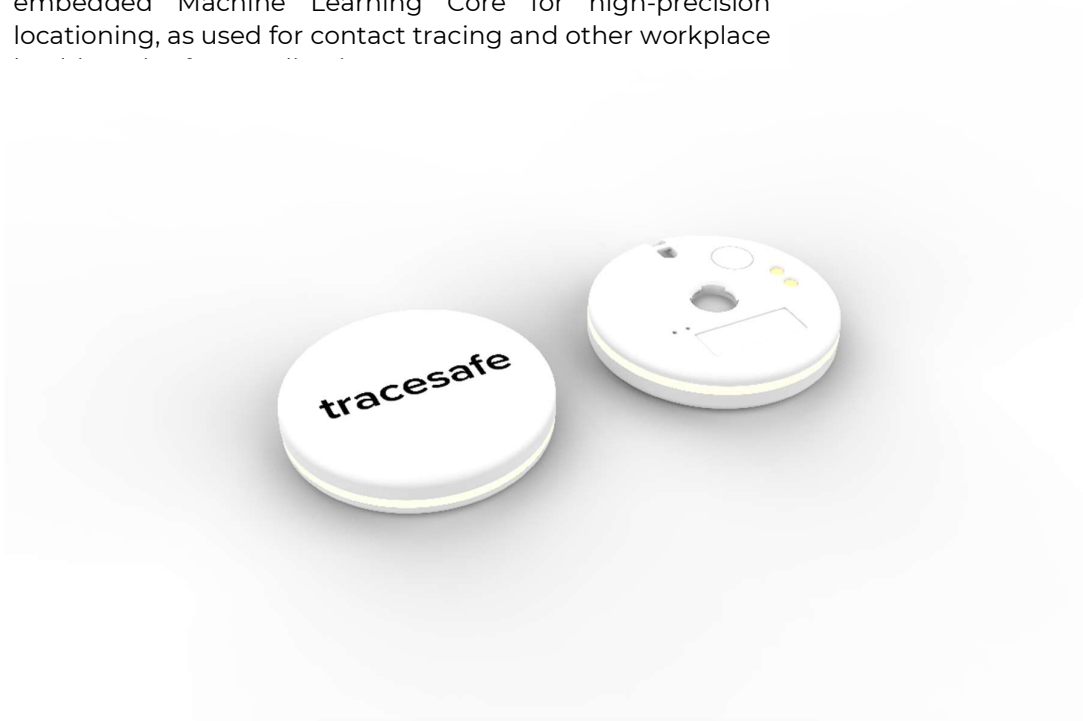# tracesafe

Button Tag

A BLE personnel tag device compatible with AllSafe system and equipped with 3D accelerometer and 3D gyroscope with embedded Machine Learning Core for high-precision locationing, as used for contact tracing and other workplace

1. Features

- Bluetooth Low Energy 5.0 wireless protocol
- Compatible with Tracesafe's AllSafe system
- 3D accelerometer and 3D gyroscope with embedded Machine Learning Core
- 200mAh rechargeable battery, with single and group chargers and recharge in 3 hours
- Loud warning beep
- Customized notifications with RGB ring light
- Vibrate motor
- IP67 water resistant

2. Specifications

Electrical	Symbol	Min.	Typ.	Max.	Unit	Remarks
Supply Voltage		3.5	4.0	4.2	Vdc	Lithium polymer rechargeable battery

RF	Symbol	Min.	Typ.	Max.	Unit	Remarks
Frequency Range		2402		2480	MHz	
TX Power					dBm	
Receiver Sensitivity			-92		dBm	

Environmental	Symbol	Min.	Typ.	Max.	Unit	Remarks
Operating Temperature	tj	0		50	°C	
Storage Temperature	ts	-25		90	°C	
Relative Humidity	RH	20		95	%	

Mechanical	Symbol	Min.	Typ.	Max.	Unit	Remarks
Dimensions			42 x 8.15		mm	Diameter x H
Net Weight			12		g	In gram

3. Device Dimensions

Top view; Case Material: ABS and PC

4. Applications

Body Worn

Pendant

Wrist Strap
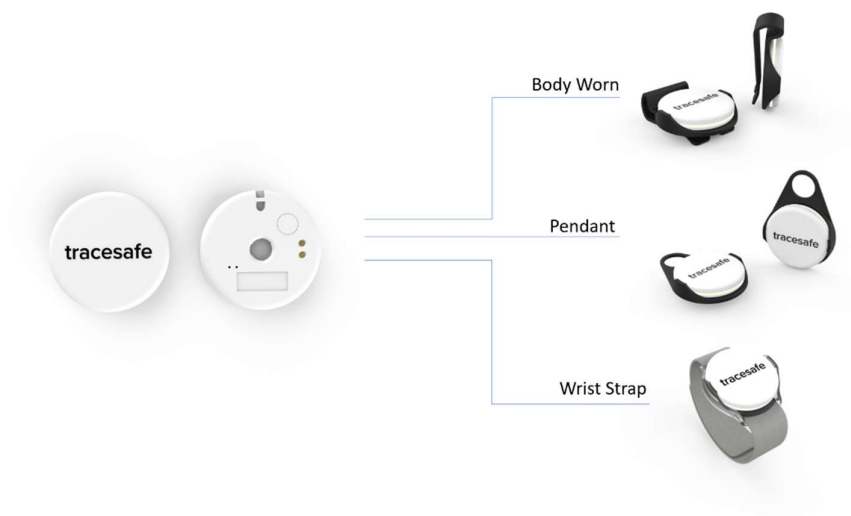
5. Ordering Information

Product Code	Product Name
BUTTON TAG	TTAT

tracesafe

23282 Mill Creek Dr #340, Laguna Hills
CA 92653, USA

www.tracesafe.io   sales@tracesafe.io

Version 1.0

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any inte rference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interferenceto radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

·   Reorient or relocate the receiving antenna.
·   Increase the separation between the equipment and receiver.
·   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
·   Consult the dealer or an experienced radio/TV technician for help.

ISED Statement

‑ English: This device complies with Industry Canada license ‑ exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device. The digital apparatus complies with Canadian CAN ICES ‑ 3 (B)/NMB ‑ 3(B).

‑ French: Le pr é sentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitationestautoris é e aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareildoit accepter tout brouillageradio é lec triquesubi, m ê mesi le brouillageest susceptible d'encompromettre le fonctionnement.

Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.