Odax Technologies Inc
www.odaxtechnologies.com

ODAX EDA Contact Strap - Maker Grade - Black

Datasheet

Product Summary

Reusable hook-and-loop finger strap with an Ag/AgCl skin-contact electrode and a 3.9 mm snap stud interface for EDA and GSR sensor lead connections. (*unless stated otherwise 2 contact straps can be expected with each order*)

Product family	EDA Contact Strap MT1-100 Series
SKU / Part number	ODAX-EDA-MT1-100-BLK-R1
Document number	ODAX-DS-EDA-MT1-100-BLK
Revision	R1
Release date	2025-12-26
Status	Released

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1 Item Information

Item Identification

Item name	ODAX EDA Contact Strap - Maker Grade - Black
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1.1 Description

The ODAX EDA Contact Strap is a reusable, hook-and-loop contact strap intended to secure an Ag/AgCl electrode against the skin for electrodermal activity (EDA) and galvanic skin response (GSR) measurements. This white variant includes a snap stud interface sized for standard 3.9 mm and 4.0 mm electrode lead connectors. The strap is sized for finger wrapping and provides a stable mechanical hold during measurement. Contact gel is recommended for best signal quality on dry skin, but may not be required in all use cases. The electrical resistance from the snap stud to the contact base is less than 0.1 ohm.

1.2 Key Features

- Ag/AgCl skin-contact electrode surface
- Snap stud interface: 3.9 mm head, 3.5 mm neck (compatible with standard 3.9 mm and 4.0 mm electrode leads)
- Hook-and-loop strap for finger wrapping and secure hold
- Low stud-to-contact resistance: less than 0.1 ohm
- Reusable strap format suitable for lab and prototyping workflows

1.3 Applications

- EDA and GSR measurement for prototyping and makers (DIY)
- Psychophysiology, HCI, affective computing, and biofeedback experiments
- Wearable sensing prototypes using standard electrode lead sets

2 Ordering Information

See Table1.

Table 1: Ordering information

SKU	Variant	Description	Packaging
ODAX-EDA-MT1-100-BLK-R1	BLK	EDA contact strap maker grade, black, Ag/AgCl snap contact	Single unit

3 Specifications

3.1 Mechanical Specifications

See Table2.

3.2 Electrical Specifications

See Table3.

Table 2: Mechanical specifications

Parameter	Value	Notes
Strap length	100 mm	Nominal
Strap width	19.05 mm	Nominal
Strap color	Black	Hook-and-loop strap intended for finger wrapping
Electrode contact material	Ag/AgCl	Skin-contact side
Snap stud head diameter	3.9 mm	For standard 3.9 mm and 4.0 mm electrode leads
Snap stud neck diameter	3.5 mm	Mechanical interface to lead connector

Table 3: Electrical specifications

Parameter	Min	Typ	Max	Unit	Test conditions / Notes
Stud-to-contact resistance			< 0.1	Ω	Measured from snap stud to Ag/AgCl contact base

3.3 Recommended Use

1. Clean and dry the skin at the contact location.
2. (Optional) Apply a small amount of electrode contact gel to the skin or to the electrode contact surface.
3. Place the Ag/AgCl contact side against the skin.
4. Wrap the strap around the finger and secure using the hook-and-loop closure.
5. Connect the electrode lead to the snap stud and route the cable to minimize motion during measurement.

3.4 Notes on Contact Gel

Contact gel is recommended when skin is dry or when maximum signal stability is required. In some conditions and for some users, acceptable EDA and GSR measurements may be obtained without gel. Measurement quality depends on skin condition, pressure, motion, and the connected sensor system.

4 Images and Diagrams

4.1 Product Photo

Figure 1 shows the item, as they are typically sent as a pair.

5 Quality, Compliance, and Handling

5.1 Quality and Reliability

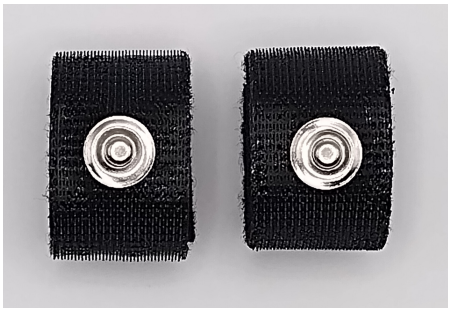
The snap-stud contact component materials are sourced from suppliers that provide third-party compliance test documentation for restricted substances. For traceability and documentation needs, supplier reports are maintained on file by Odax Technologies Inc.

5.2 Compliance (Supplier Documentation)

The following supplier documents apply to the tested contact material sample(s). They do not, by themselves, imply that the ODAX EDA Contact Strap is a certified or approved medical device, nor do they constitute certification of the finished strap assembly.

- EU RoHS Directive (EU) 2015/863 (amending Directive 2011/65/EU): SGS test report for sample material “H65 (C2680)” (brassy metal sheet), Test Report No. CANEC24029754105_1, dated 2025-01-07; conclusion: Pass for the RoHS restricted substances (Pb, Hg, Cd, Cr(VI), PBB, PBDE, DEHP,

(a) lengthwise view



(b) wrapped/closed

Figure 1: ODAX EDA contact strap product photos (flat and wrapped views).

BBP, DBP, DIBP).
- The SGS report indicates the sample(s) and related information were provided by the client, and the results represent the tested sample status at the time of testing.

5.3 Handling and Storage

- Store in a clean, dry environment and keep the contact surface free of dust and oils.
- Do not use on broken or irritated skin. Discontinue use if discomfort or irritation occurs.
- Avoid excessive bending or mechanical stress on the snap stud.
- For cleaning guidance, validate your cleaning method for your application and environment.

6 Revision History

Table 4: Revision history

Revision	Date	Changes
R1	2025-12-26	Initial release for ODAX-EDA-MT1-100-BLK-R1.

7 Legal Notice

- This document is provided for informational purposes only. Specifications may change without notice.
- The ODAX EDA Contact Strap is an accessory intended for EDA and GSR measurements. System-level performance depends on the connected sensor, leads, environment, and user conditions.
- Supplier certifications listed in this document apply to the supplier and the supplier's listed products and do not imply medical certification, clearance, or approval of the ODAX EDA Contact Strap.

- Odax Technologies Inc disclaims all warranties except as explicitly stated in written terms of sale. Odax Technologies Inc is not liable for indirect, incidental, or consequential damages.