

Cable Setup Guide

The Ability Hand™

VERSION 1



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PSYONIC

TABLE OF CONTENTS

1. INTRODUCTION 1

 1.1 System Compatibility 1

2. COMPONENTS 2

 2.1 Coaxial Connections and Communication Functionality 2

 2.2 PSYONIC Components 3

 2.3 Third-Party Components 6

3. SYSTEM CONFIGURATIONS 7

 Verification Check 7

CONFIGURATIONS FOR AMPUTATIONS BELOW ELBOW

1 Power Switch + Ability Hand (Short Wrist) 9

2 Power Switch + Coaxial Plug + Ability Hand (EQD) 11

3 Coapt + Power Switch + Ability Hand (Short Wrist) 13

4 Coapt + Power Switch + Coaxial Plug + Ability Hand (EQD) 15

5 Coapt + Power Switch + Fillauer MC Standard Wrist Rotator + Ability Hand (EQD) 17

6 Power Switch + Fillauer MC ProWrist Rotator + Ability Hand (EQD) 19

7 Ottobock Linear Transducer + Power Switch + Coaxial Plug + Ability Hand (EQD) 21

CONFIGURATIONS FOR AMPUTATIONS ABOVE ELBOW

8 Steeper Espire Pro/Hybrid Powered Elbow with Coapt + Button + Fillauer MC
 Standard Wrist Rotator + Ability Hand (EQD) 23

9 Steeper Espire Pro/Hybrid Powered Elbow + Button + Fillauer MC ProWrist Rotator +
 Ability Hand (EQD) 26

10 Steeper Espire Pro/Hybrid Powered Elbow + Button + Coaxial Plug +
 Ability Hand (EQD) 29

11 Ottobock Dynamic Arm + Button + Fillauer MC Standard Wrist Rotator +
 Ability Hand (EQD) 31

4. TROUBLESHOOTING 33

TERMS AND ABBREVIATIONS 34

1. INTRODUCTION

This guide provides clinicians with a detailed reference for configuring the Ability Hand during the final stages of definitive socket fabrication. It includes line drawings and technical guidance for accurate integration of electrode cables, power supply leads, and communication interfaces. Proper routing and connection of these components are critical to ensuring consistent signal acquisition, power delivery, and overall device performance.

PSYONIC CLINICAL SUPPORT

1 (888) PSYONIC (779-6642)

support@psyonic.io

NOTE

The images provided in this document are for illustrative purposes only. Actual product design and features may vary.

1.1 SYSTEM COMPATIBILITY

The Ability Hand is designed to be compatible with a number of different components from third-party manufacturers. A common list of these configurations is shown in this guide, but it may not represent the full range of compatible components.



CAUTION

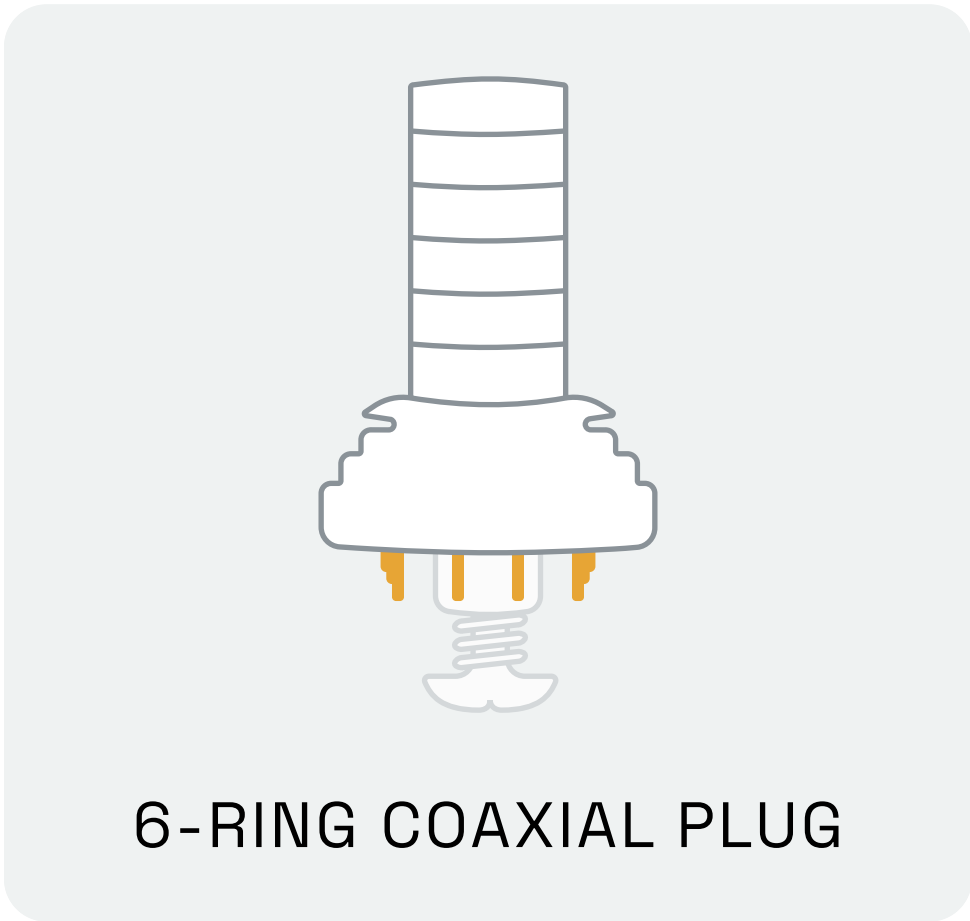
The Ability Hand has not been exhaustively tested with all electrodes, wrist rotators, elbows, and input systems. Collaboration with licensed prosthetists suggests that these configurations are compatible. However, it is the clinician's responsibility to test and warrant the configuration, and to confirm warranty positions with the relevant manufacturer. For information on PSYONIC's warranty, refer to the Ability Hand User Manual.

2. COMPONENTS

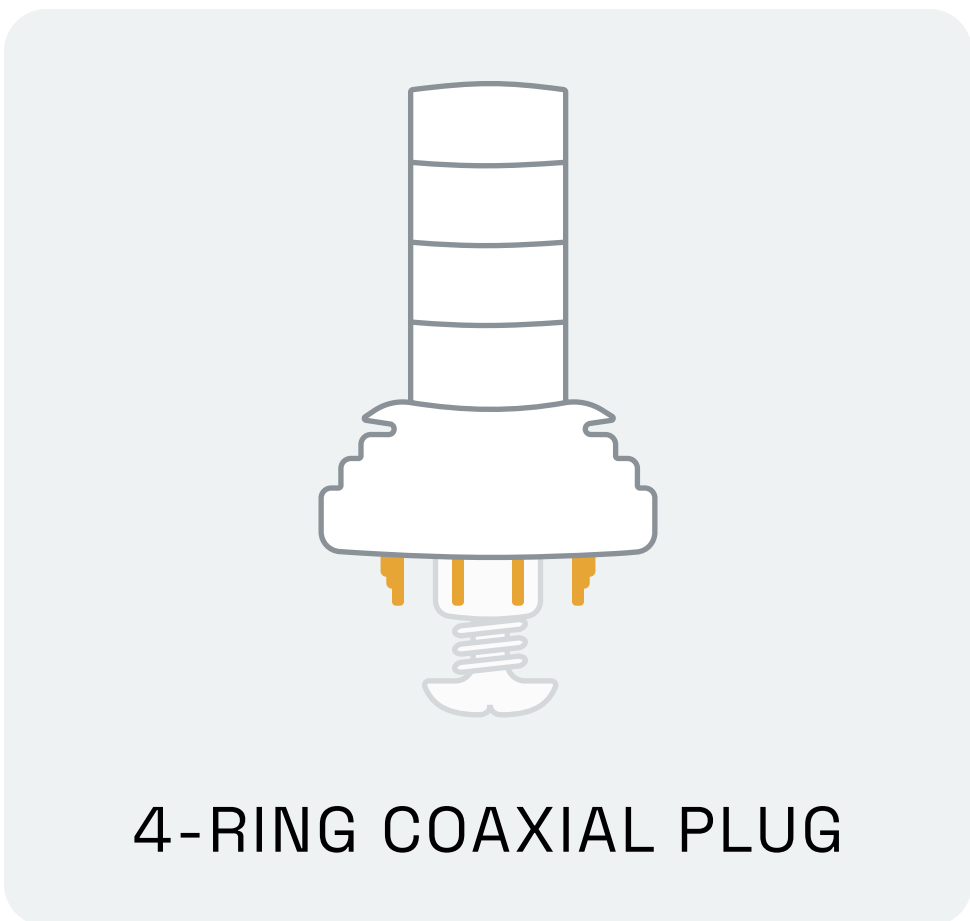
This section provides detailed information on the components that support power delivery and communication within the prosthetic system. It includes an overview of coaxial connection requirements and associated communication capabilities, as well as the specifications and operational details of the PSYONIC Power Switch, Button, and Battery Pack. These subsections are intended to guide clinicians and technicians in selecting, configuring, and verifying the components needed for reliable system performance.

2.1 COAXIAL CONNECTIONS AND COMMUNICATION FUNCTIONALITY

For optimal performance, reliability, and user experience, a 6-ring configuration should be used during final fabrication. A 4-ring configuration is NOT recommended for long-term use with the Ability Hand.



- ✓ TOUCH SENSING
- ✓ BUTTON-CONTROLLED GRIP SWITCH
- ✓ FREEZE
- ✓ BATTERY LEVEL INDICATOR
- ✓ MAXIMUM POWER
- ✓ MAXIMUM STRENGTH



- ✗ TOUCH SENSING
- ✗ BUTTON-CONTROLLED GRIP SWITCH
- ✗ FREEZE
- ✓ BATTERY LEVEL INDICATOR
- ✗ MAXIMUM POWER
- ✗ MAXIMUM STRENGTH

2.2 PSYONIC COMPONENTS

PSYONIC components referenced in this document are listed in the table below. If you have any questions about products excluded from this list, please contact PSYONIC Support at support@psyonic.io.

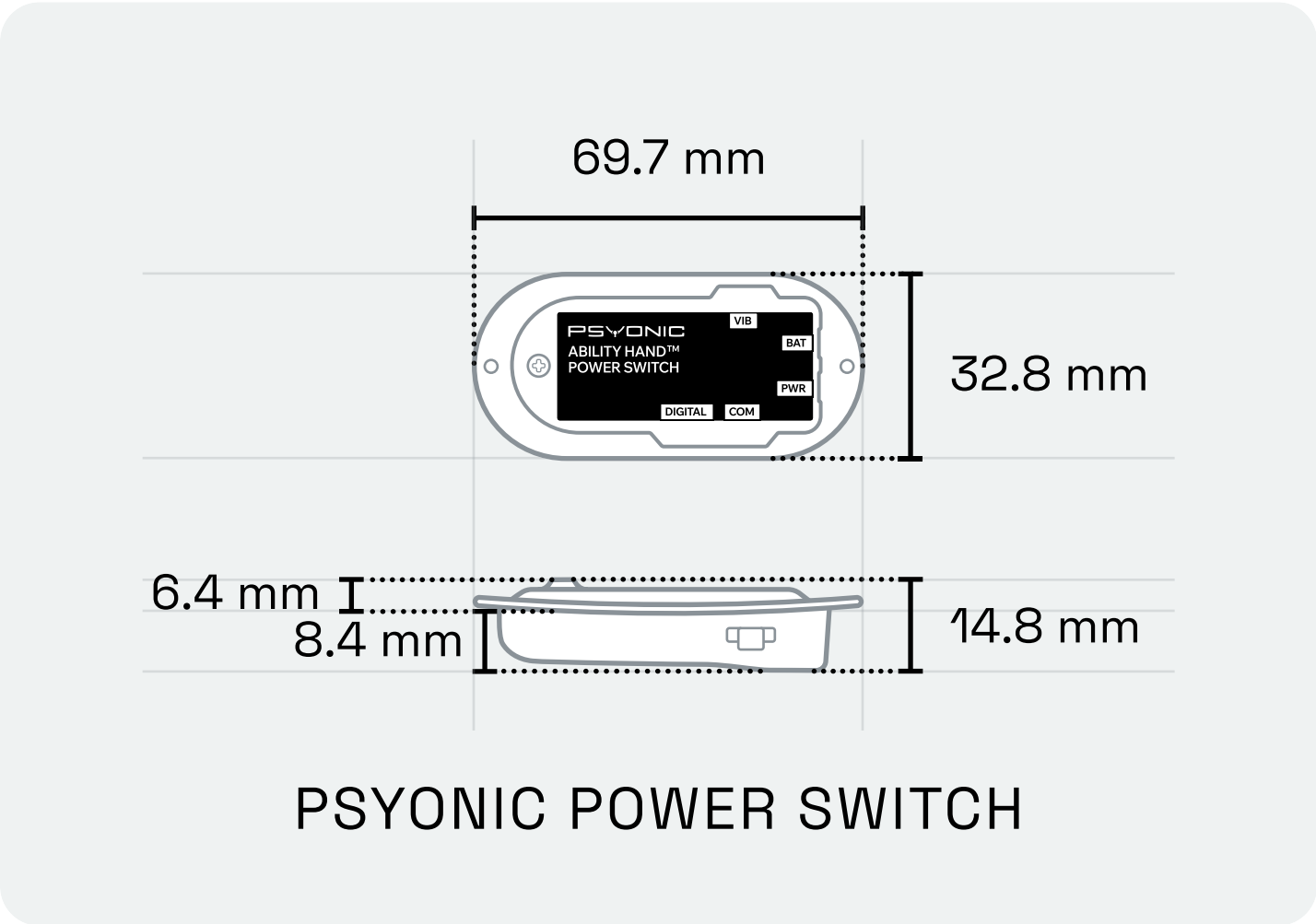
PSYONIC COMPONENT	SKU*
Ability Hand (EQD)	PSY-AH-RLQ, LLQ, RSQ, LSQ-C
Ability Hand (Short Wrist)	PSY-AH-RLS, LLS, RSS, LSS-C
PSYONIC Power Switch	PSY-AH-PWR
PSYONIC Button	PSY-AH-BTN
PSYONIC Battery Pack	PSY-AH-BAT
6-Ring Coaxial Plug	PSY-AH-CXP
Short Wrist Hub	PSY-AH-HUB
Short Wrist Cable	PSY-AH-SCB
PWR Cable	PSY-AH-CBL-PWR
COM Cable	PSY-AH-CBL-COM
VIB Cable	PSY-AH-CBL-VIB
Digital (Coapt Digital) Cable	PSY-AH-CBL-DGT

*** NOTE**

SKUs are subject to change. Please contact a PSYONIC sales representative at 1 (888) 779-6642 or sales@psyonic.io to confirm you are ordering the correct part.

PSYONIC Power Switch

The PSYONIC Power Switch is designed for transradial prosthetic systems or for transhumeral systems that use a mechanical (body-powered) elbow. It allows users to power their device on and off, check battery level, switch grips, and freeze the Ability Hand.



PSYONIC Power Switch Dimensions

69.7 mm (L)
32.8 mm (W)
14.8 mm (H)
6.4 mm (Protrusion Height)
8.4 mm (Recessed Depth)

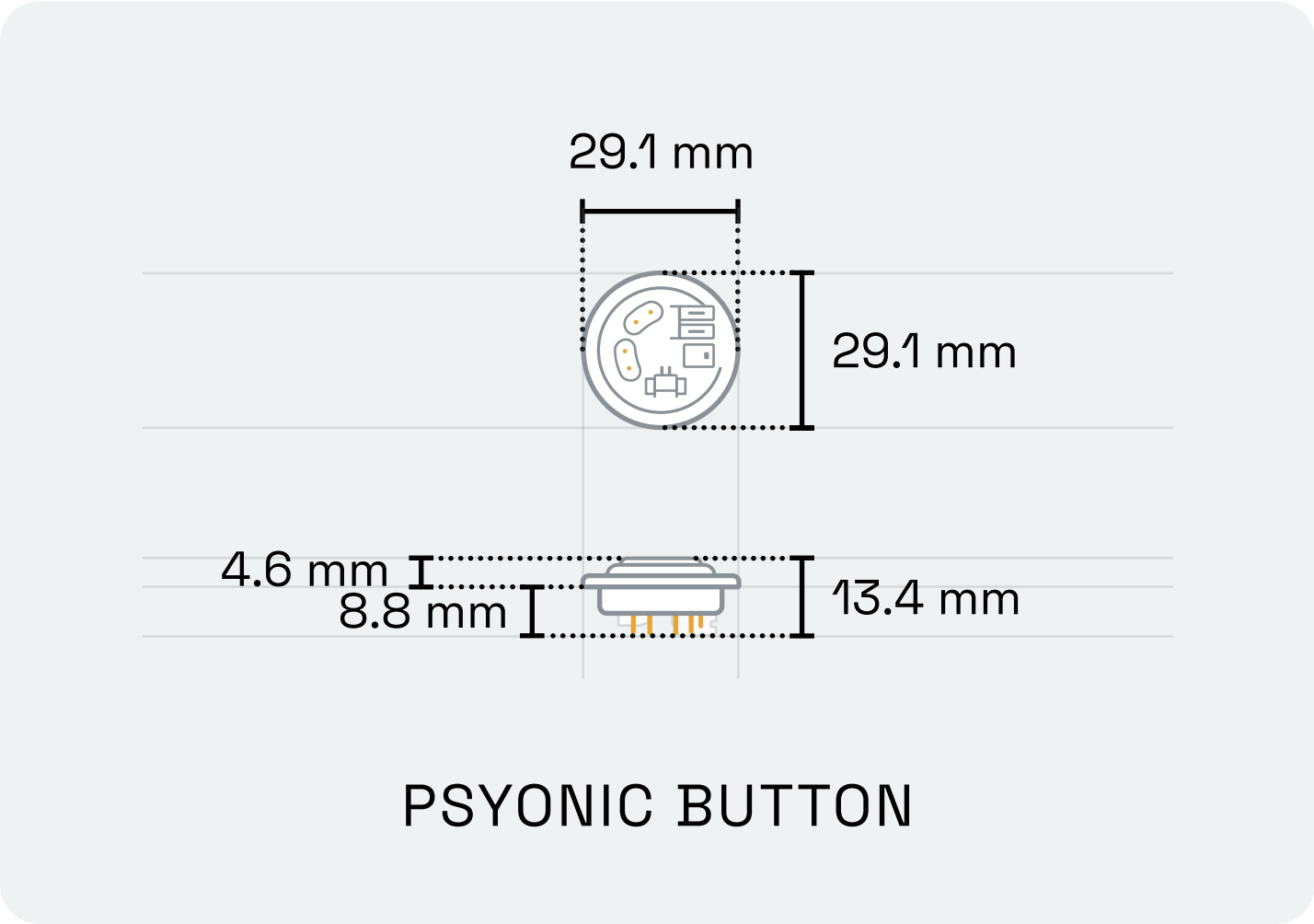


WARNING

After final placement of the power switch, trim screws flush with the mounting surface to prevent puncture of internal components or patient injury.

PSYONIC Button

The PSYONIC Button is designed for transhumeral prosthetic devices with a powered elbow. It offers similar functionality to the Power Switch, but does not control power on/off or display battery level, since the elbow supplies power to the system.

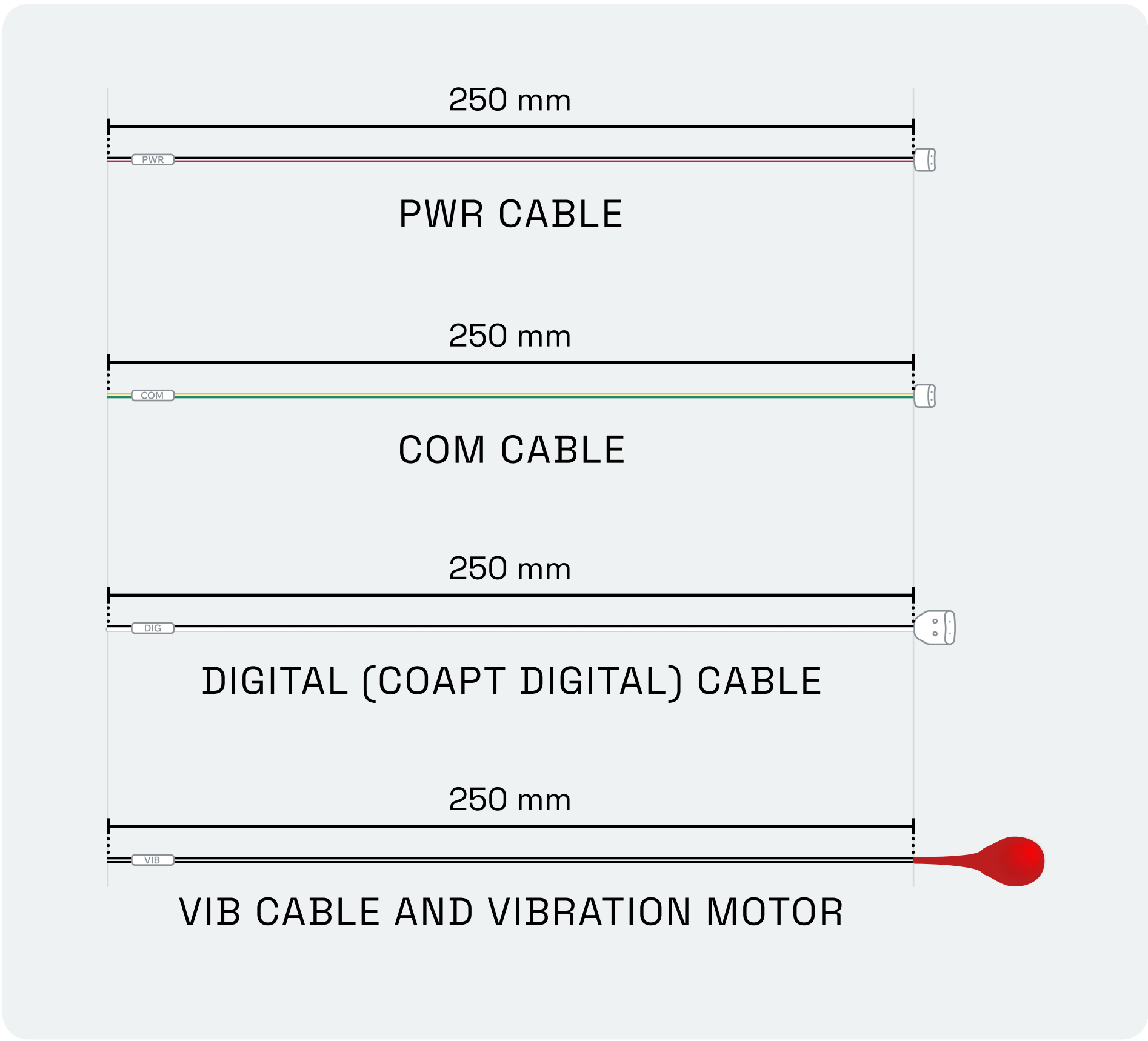


PSYONIC Button Dimensions

29.1 mm (L/W)
13.4 mm (H)
4.6 mm (Protrusion Height)
8.8 mm (Recessed Depth)

Cables and Vibration Motor

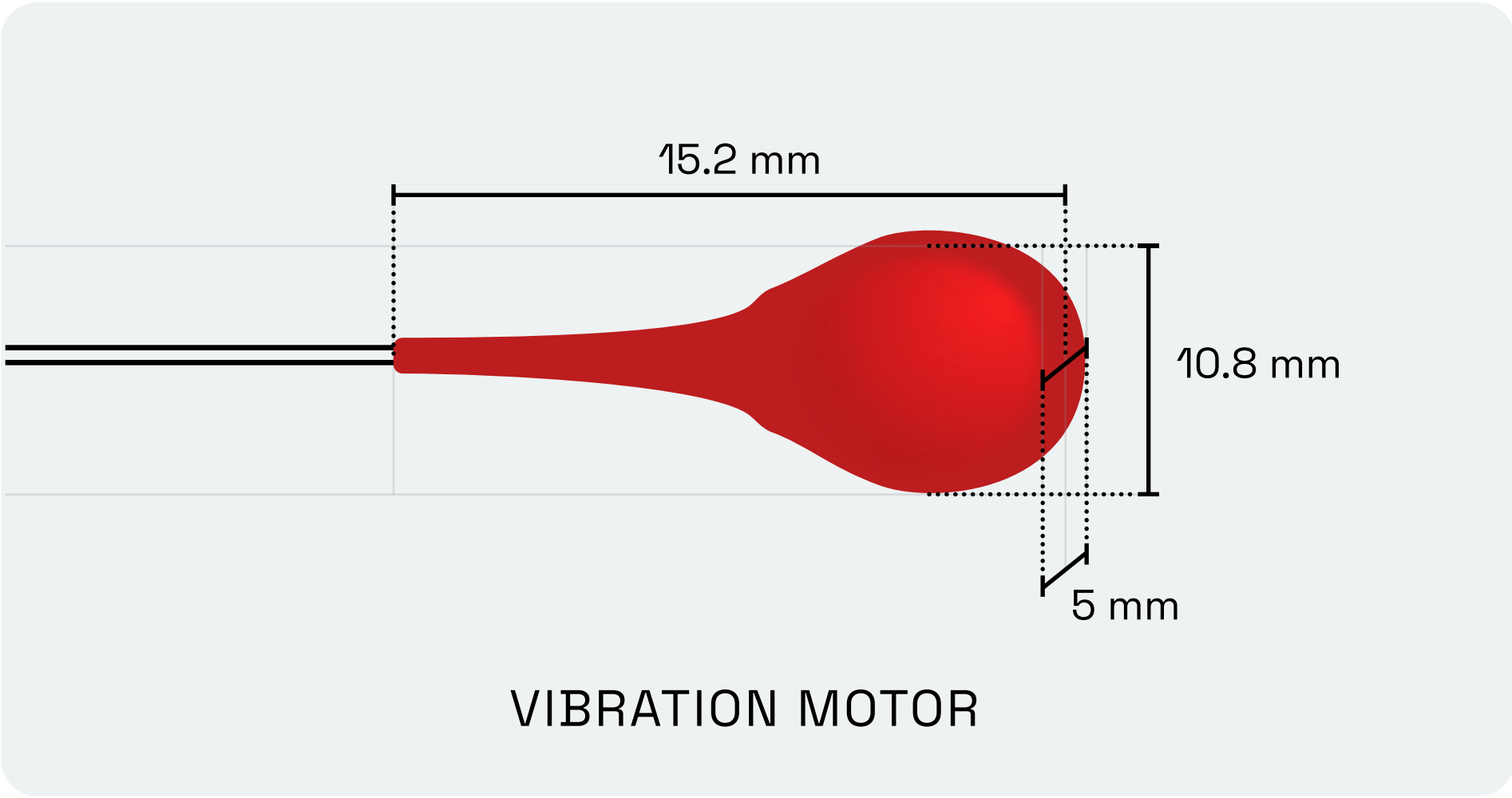
The PSYONIC Power Switch and PSYONIC Button are shipped with the COM, PWR, and VIB cables pre-connected.



Cable
Dimensions

250 mm (L)

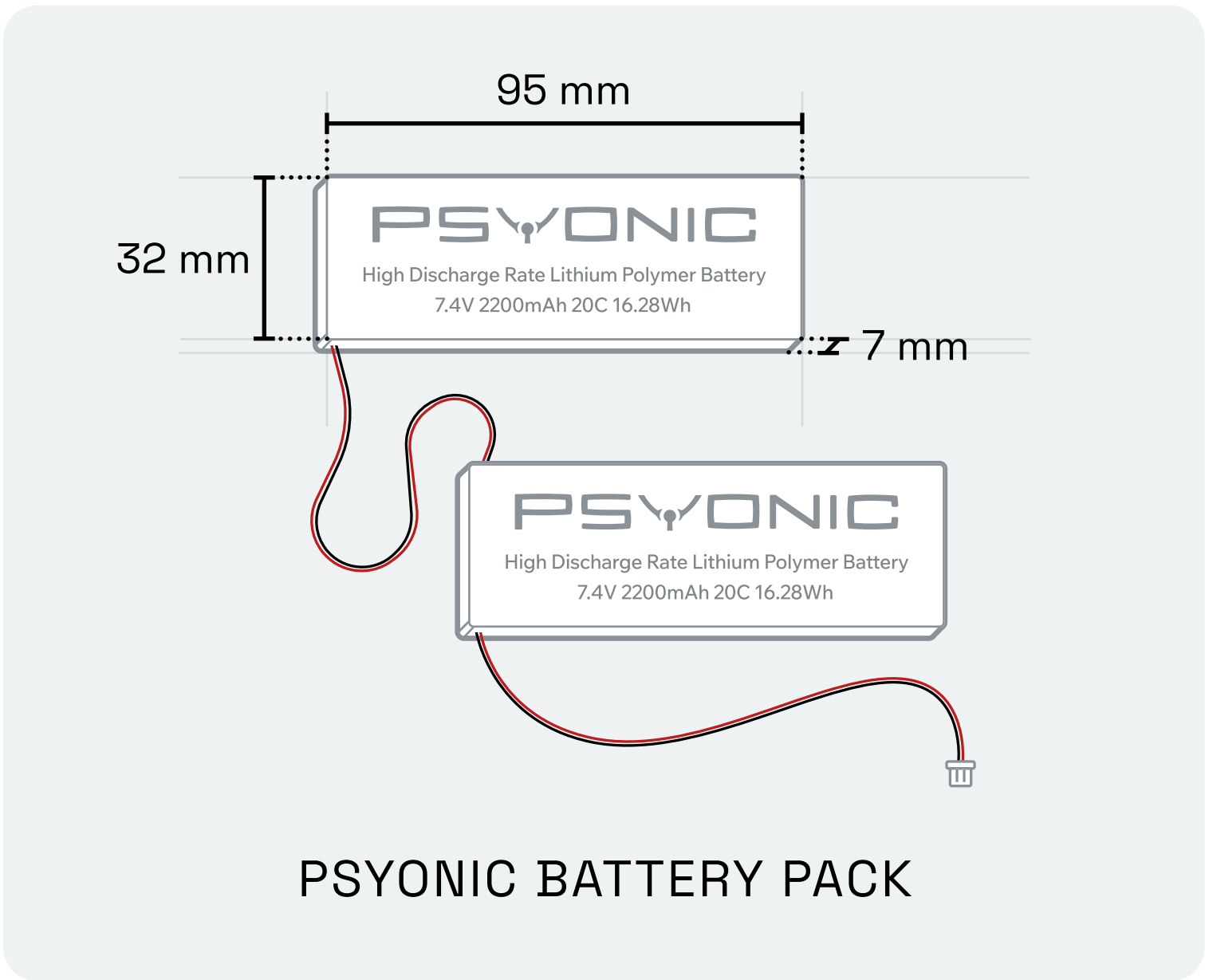
The Vibration Motor is designed to be positioned between the flexible inner liner and the outer shell of the socket, where it can deliver vibrational feedback to the user’s residual limb. Optimal placement may vary based on clinical considerations and patient preference.



Vibration Motor
Dimensions

15.2 mm (L)
5 mm (H)
10.8 mm (Diameter)

PSYONIC Battery Pack



PSYONIC Battery Pack Dimensions

95 mm (L)
32 mm (W)
7 mm (H)

WARNING

Do not puncture, bend, crush, or strain PSYONIC Battery Pack or its associated components. Mishandling of battery components can result in catastrophic failure, fire and/or chemical outbreak leading to serious injury or death. Do not use alternate batteries without consulting PSYONIC for guidance.

PSYONIC Battery Pack Specifications

Battery Capacity	2200 mAh
Charge	30 W, 12 V, 2.5 A
Recommended Operating Voltage	7.4 VDC
Analog Input Voltage	0-5 V
Max Current	14 A

2.3 THIRD-PARTY COMPONENTS

Third-party component part numbers are not listed in this document and are subject to change by their respective manufacturers. Please contact the manufacturer directly or refer to their current catalog for the most up-to-date ordering information. Always follow each manufacturer’s guidelines for installation, use, and maintenance to ensure proper performance and to maintain any applicable warranties.

3. SYSTEM CONFIGURATIONS

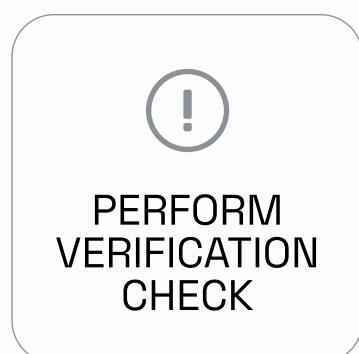
The Ability Hand can be integrated with various prosthetic systems. However, proper cable configuration is essential for full functionality and safe operation. This section summarizes the potential system configurations, including required power and signal pathways, wrist interfaces, and components needed for proper device operation.

VERIFICATION CHECK

Before final installation, it is strongly recommended to verify that the selected configuration provides both power delivery and communication for optimal system performance. Every configuration listed in this document should be validated prior to delivering the prosthesis.

NOTE

All 3-pin electrode cables may be connected to either channel. All input channels, including Coapt inputs, can be flipped within the PSYONIC Mobile App in the Input System menu.



Whenever this icon appears, perform the steps described in this section before proceeding.

After all cable connections have been established, perform the following steps to verify each configuration:

1. Power on the system

Press and hold the button on the PSYONIC Power Switch for 3 seconds.

If an alternate power source is used (i.e., not the PSYONIC Power Switch and PSYONIC Battery Pack), power the device according to the specifications provided by that power source manufacturer.

2. Confirm startup indication

Upon startup, the LED will flash rapidly and then transition to solid white, indicating that the system is receiving power.

3. Open the PSYONIC Mobile App and establish connection

- a. Ensure Bluetooth is enabled on the mobile device.
- b. Open the PSYONIC Mobile App.
- c. Tap Scan to search for available devices.
- d. When the Ability Hand is detected, its serial number will appear on the screen.
- e. Tap the serial number to connect to the device.

4. Verify input system selection

Navigate to the Input System menu in the PSYONIC Mobile App and confirm that the correct input system is selected.

5. Verify control signal activity*

Navigate to the Control Signals menu in the PSYONIC Mobile App. Touch the surface electrodes inside the socket and confirm that activity is displayed on the Control Signals screen.

* NOTE

When using a pattern recognition input system, live EMG signals will not appear in the PSYONIC Mobile App. Skip Step 5 and verify EMG activity using the pattern recognition software.

If verification fails, refer to Section 4: Troubleshooting.

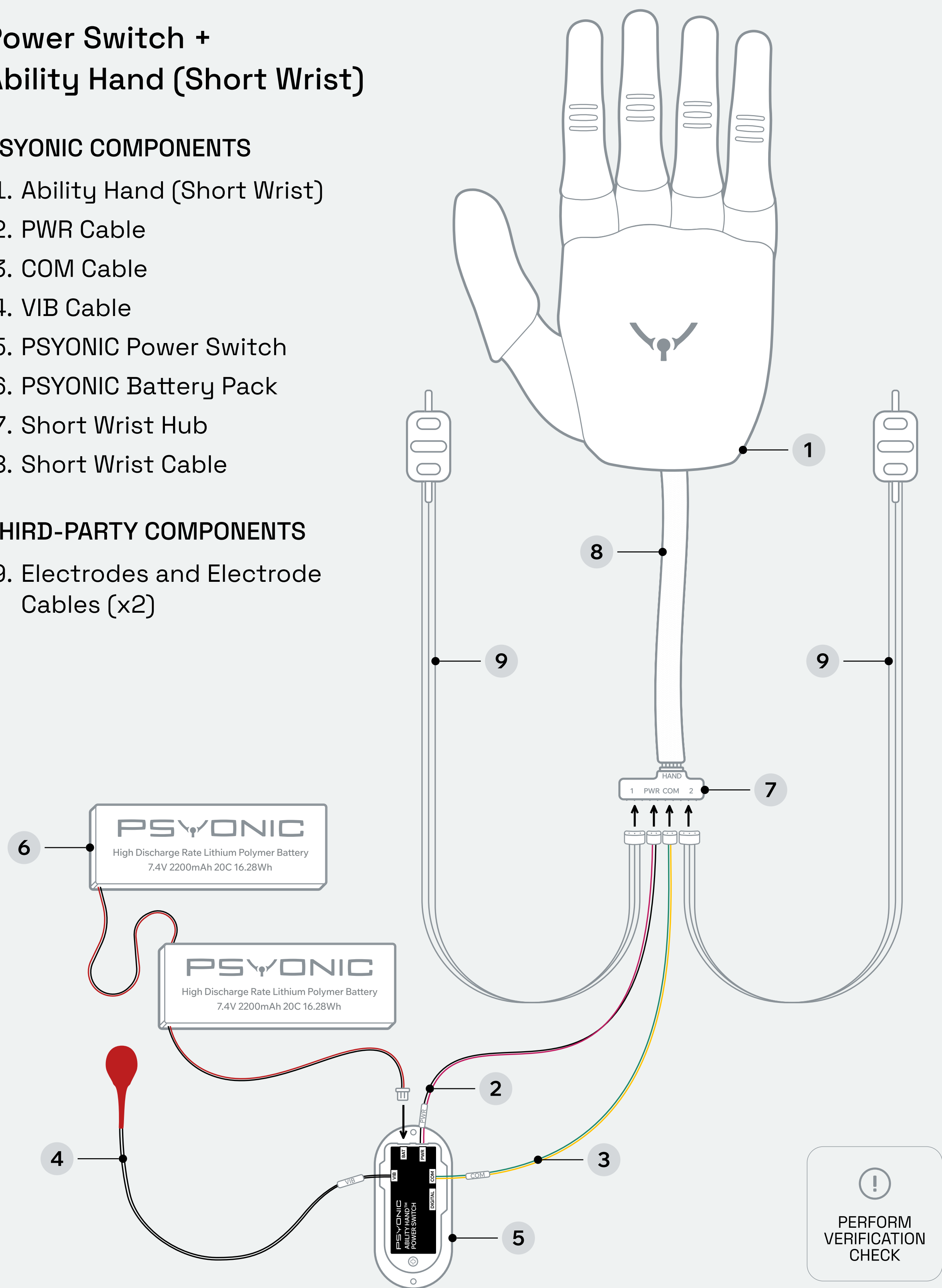
Power Switch +
Ability Hand (Short Wrist)

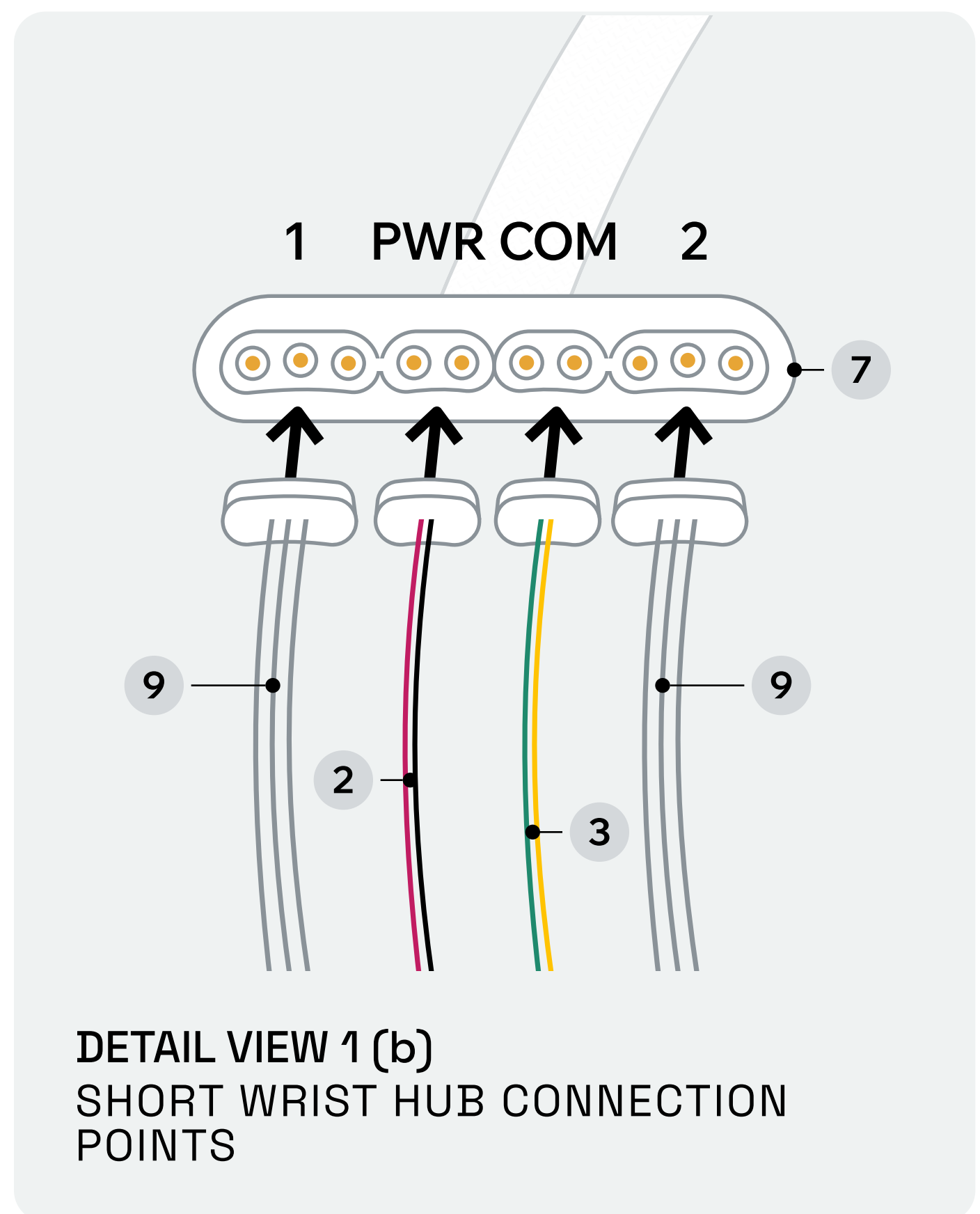
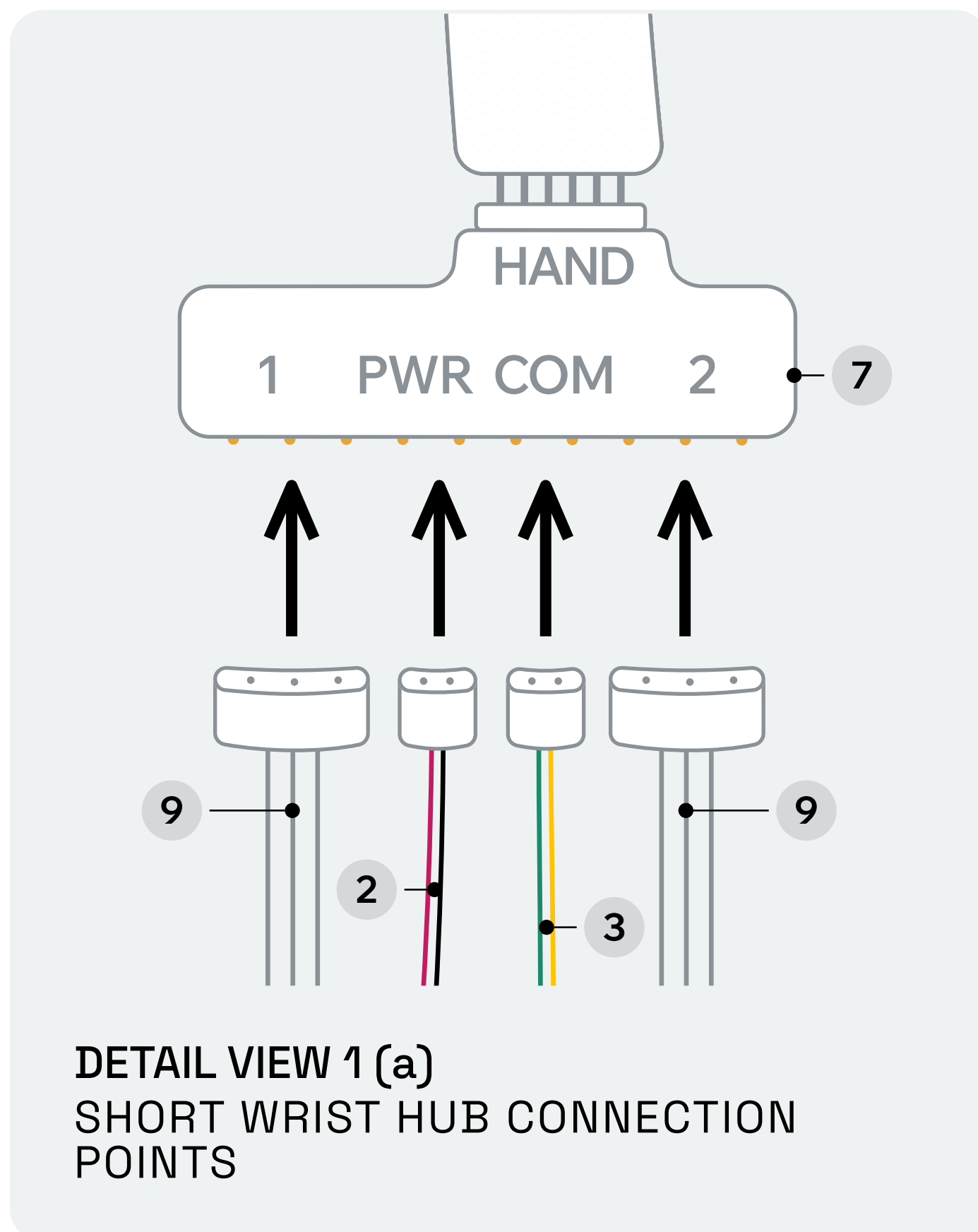
PSYONIC COMPONENTS

- 1. Ability Hand (Short Wrist)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Power Switch
- 6. PSYONIC Battery Pack
- 7. Short Wrist Hub
- 8. Short Wrist Cable

THIRD-PARTY COMPONENTS

- 9. Electrodes and Electrode Cables (x2)





Pin Mapping Instructions

- Connect the PWR 2-pin connector **2** to the Short Wrist Hub pins marked “PWR”
- Connect the COM 2-pin connector **3** to the Short Wrist Hub pins marked “COM”
- Connect electrode 3-pin connectors **9** to the Short Wrist Hub pins marked “1” and “2”

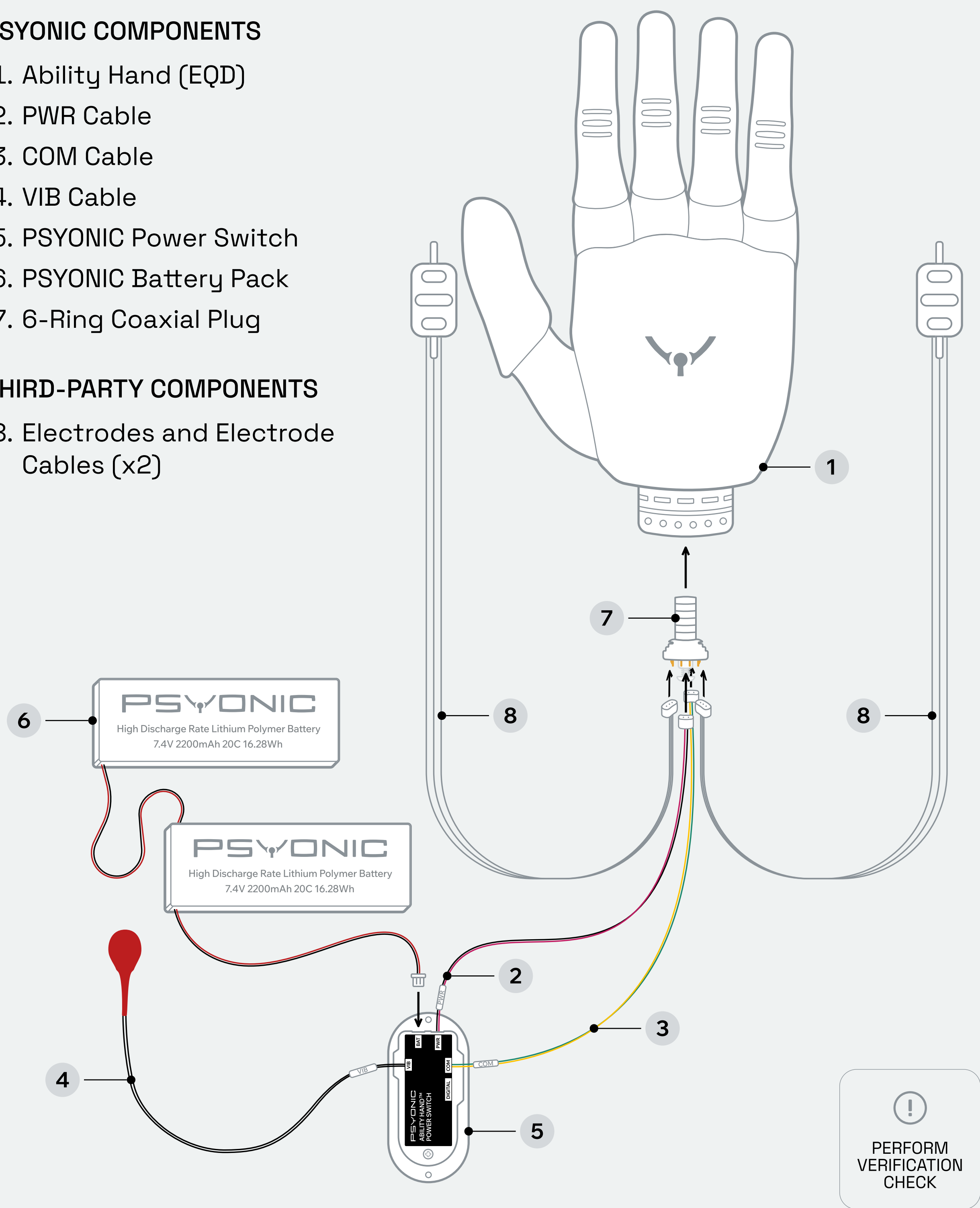
Power Switch + Coaxial Plug + Ability Hand (EQD)

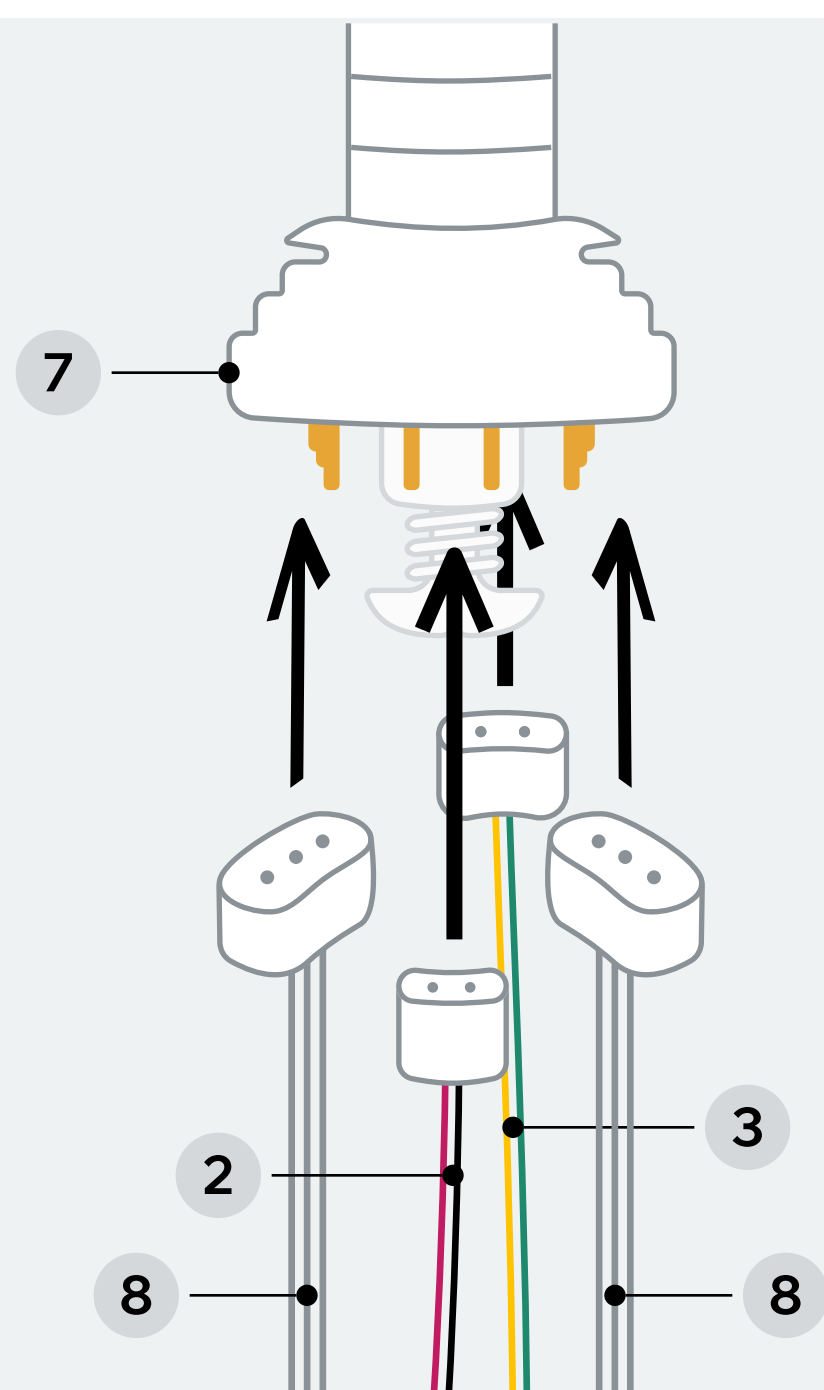
PSYONIC COMPONENTS

- 1. Ability Hand (EQD)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Power Switch
- 6. PSYONIC Battery Pack
- 7. 6-Ring Coaxial Plug

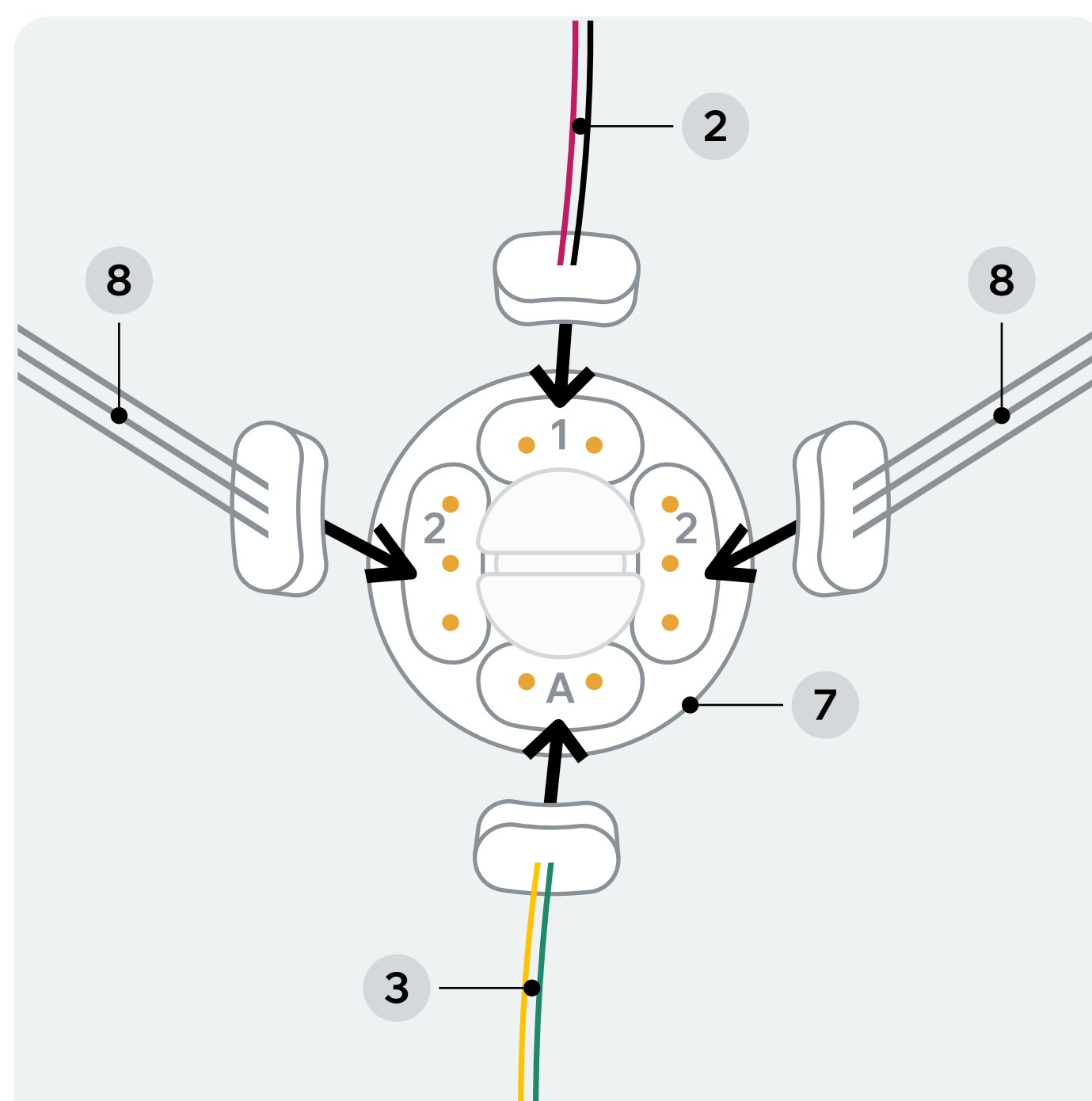
THIRD-PARTY COMPONENTS

- 8. Electrodes and Electrode Cables (x2)





DETAIL VIEW 2 (a)
COAXIAL PLUG CONNECTION POINTS



DETAIL VIEW 2 (b)
COAXIAL PLUG CONNECTION POINTS

Pin Mapping Instructions

- Connect the PWR 2-pin connector 2 to the coaxial pins marked “1”
- Connect the COM 2-pin connector 3 to the coaxial pins marked “A”
- Connect electrode 3-pin connectors 8 to the coaxial pins marked “2”

Coapt + Power Switch + Ability Hand (Short Wrist)

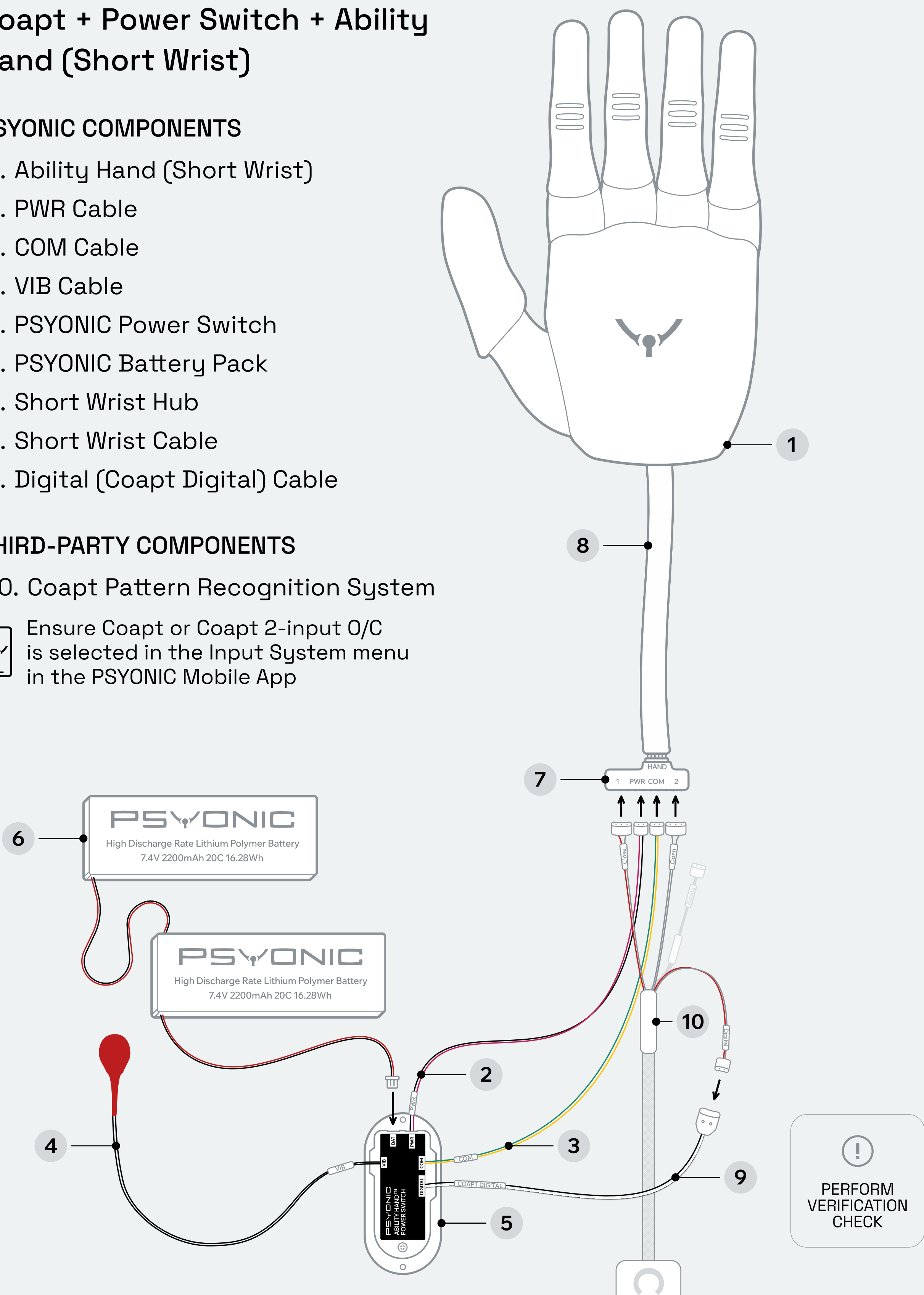
PSYONIC COMPONENTS

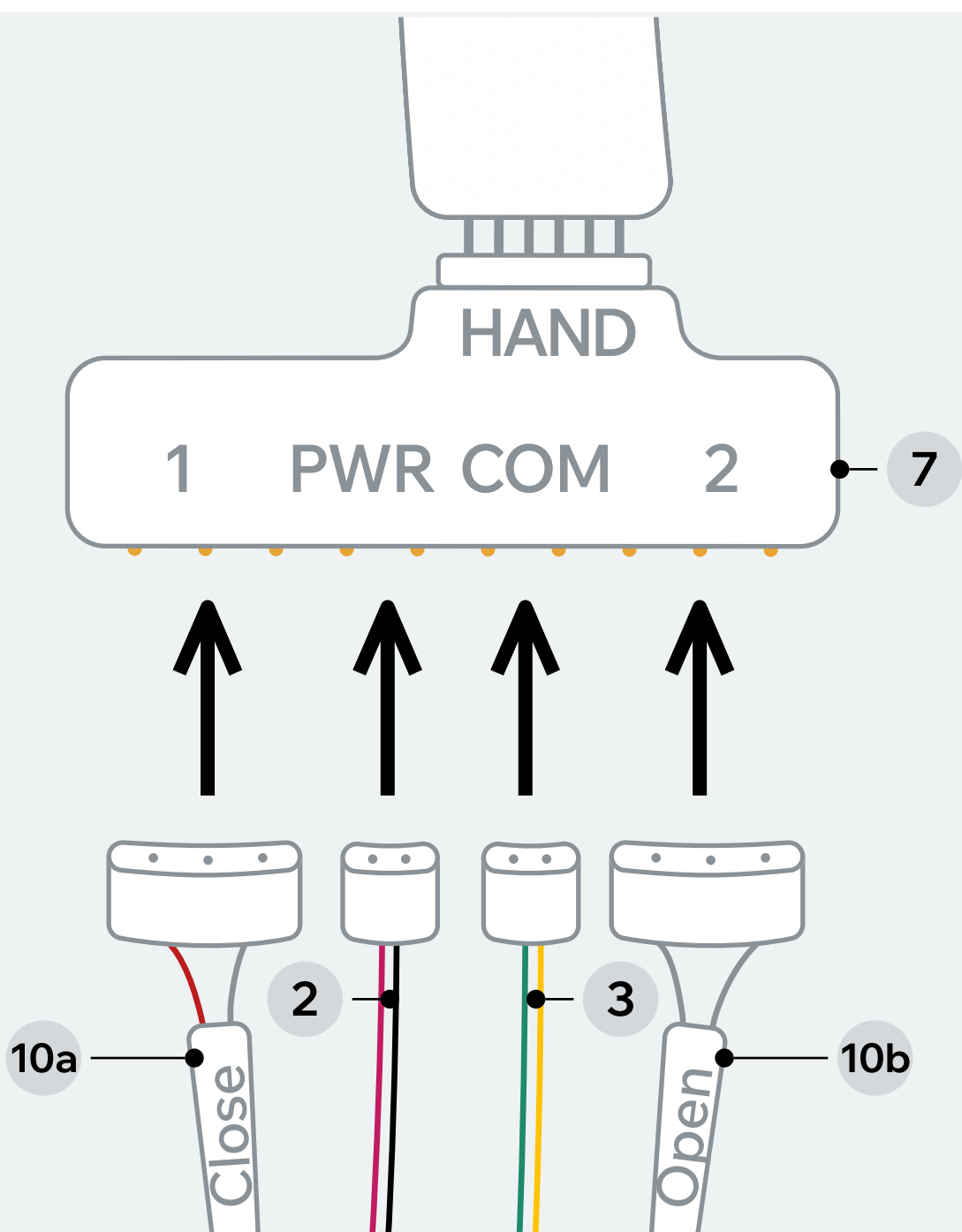
- 1. Ability Hand (Short Wrist)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Power Switch
- 6. PSYONIC Battery Pack
- 7. Short Wrist Hub
- 8. Short Wrist Cable
- 9. Digital (Coapt Digital) Cable

THIRD-PARTY COMPONENTS

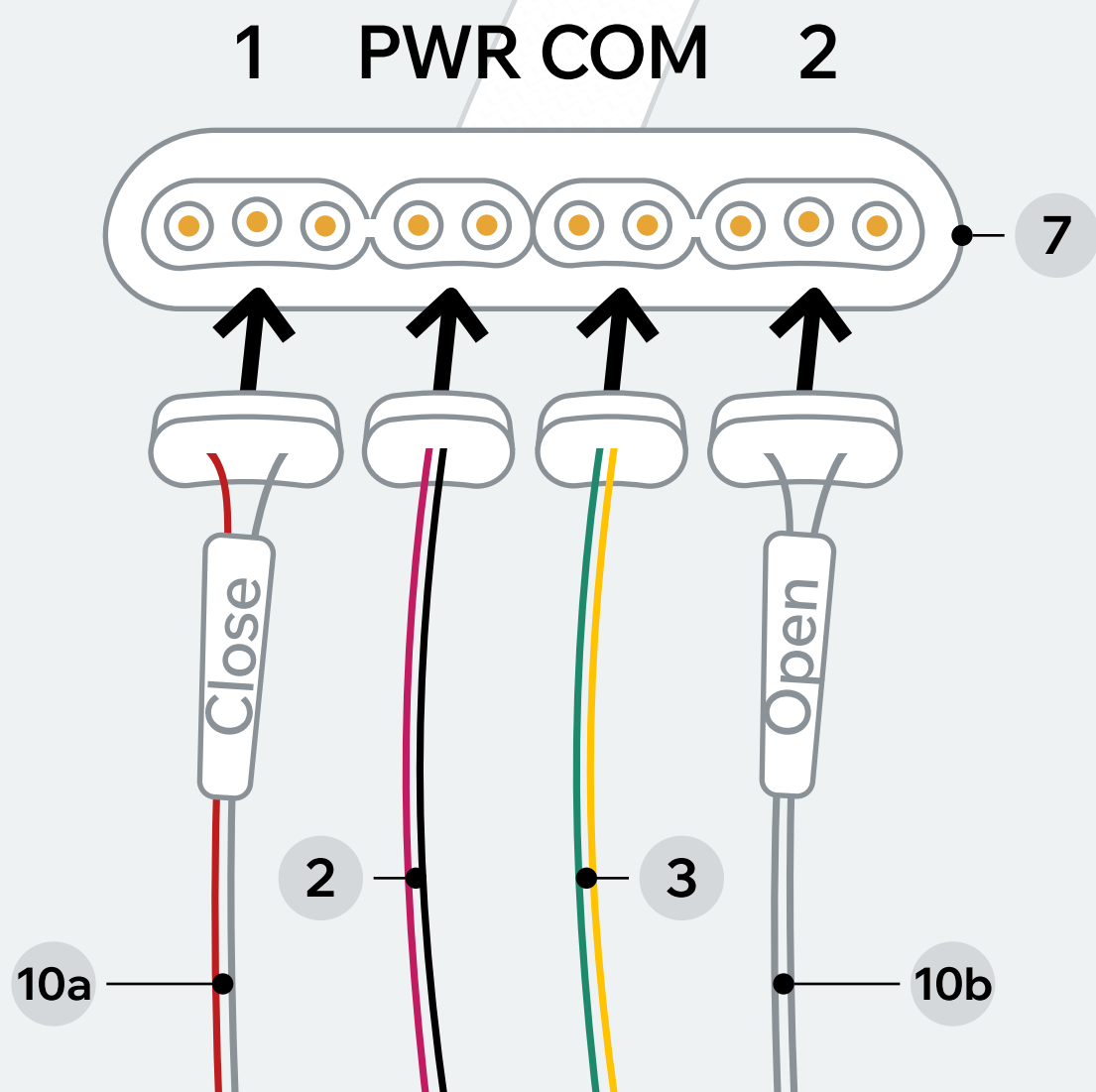
- 10. Coapt Pattern Recognition System

 Ensure Coapt or Coapt 2-input O/C is selected in the Input System menu in the PSYONIC Mobile App

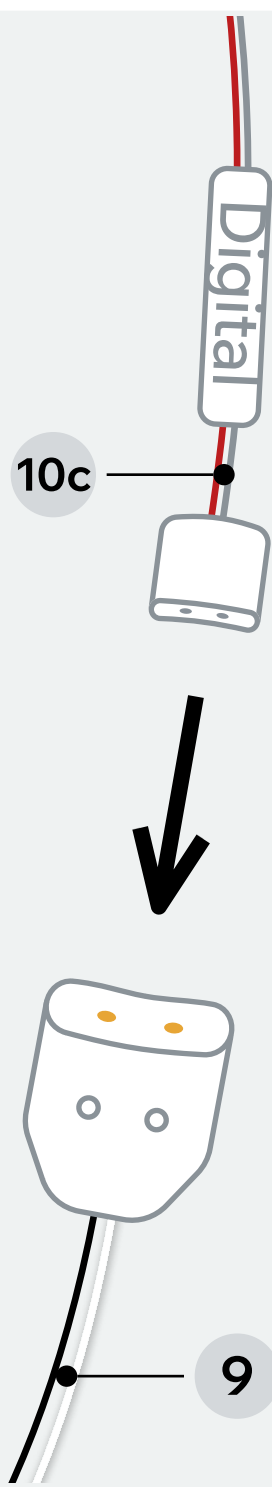




DETAIL VIEW 3 (a)
SHORT WRIST HUB CONNECTION
POINTS



DETAIL VIEW 3 (b)
SHORT WRIST HUB CONNECTION
POINTS



DETAIL VIEW 4
DIGITAL CABLES CONNECTION POINT

Pin Mapping Instructions

- Connect the PWR 2-pin connector 2 to the Short Wrist Hub pins marked “PWR”
- Connect the COM 2-pin connector 3 to the Short Wrist Hub pins marked “COM”
- Connect the Coapt 3-pin connector marked “Close” 10a to the Short Wrist Hub pin marked “1”
- Connect the Coapt 3-pin connector marked “Open” 10b to the Short Wrist Hub pin marked “2”
- Connect the Coapt 2-pin connector marked “Digital” 10c to the Digital (Coapt Digital) 2-pin port 9

NOTE
The Coapt cable marked “Rotate” will remain unused in this configuration

Coapt + Power Switch + Coaxial Plug + Ability Hand (EQD)

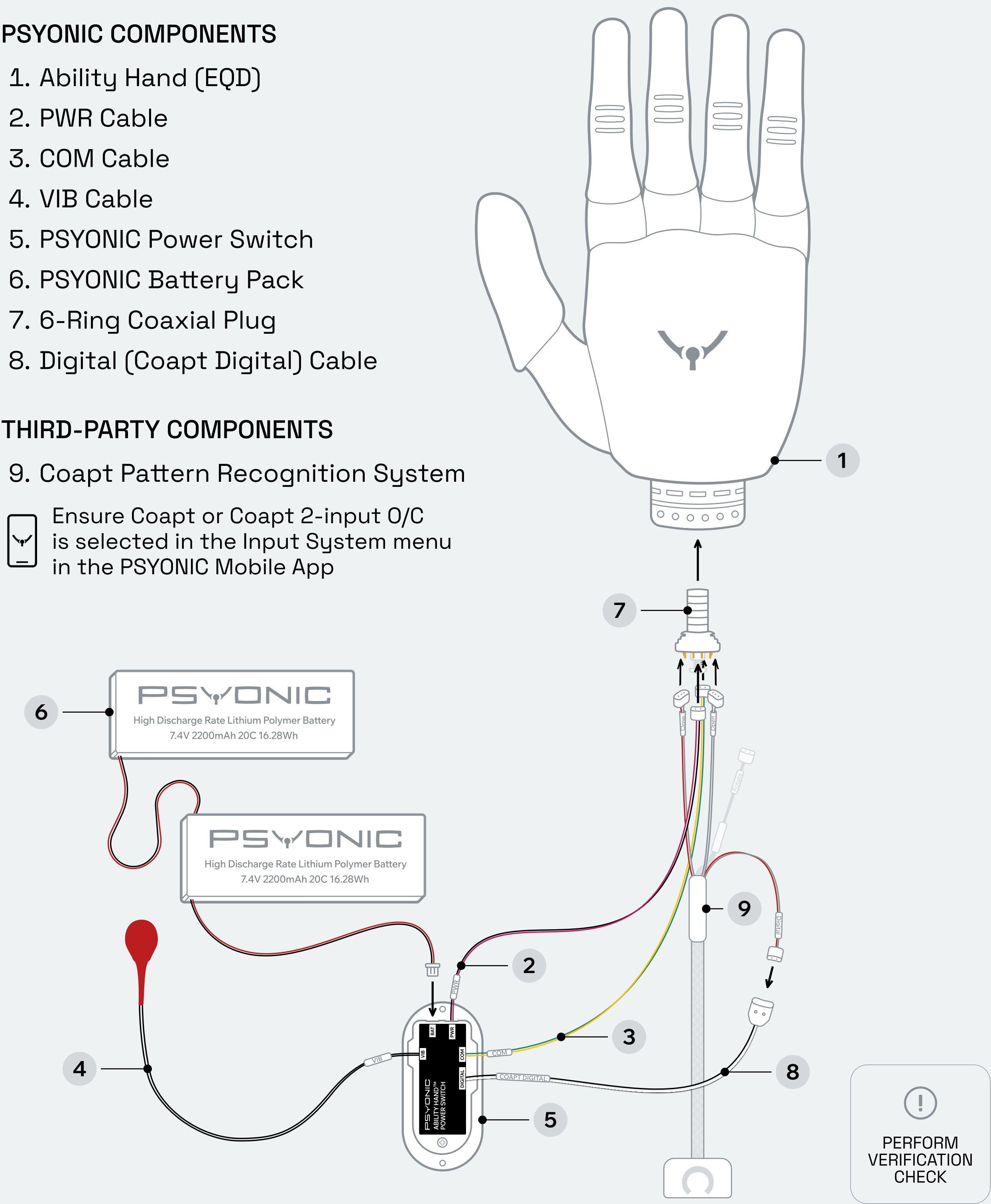
PSYONIC COMPONENTS

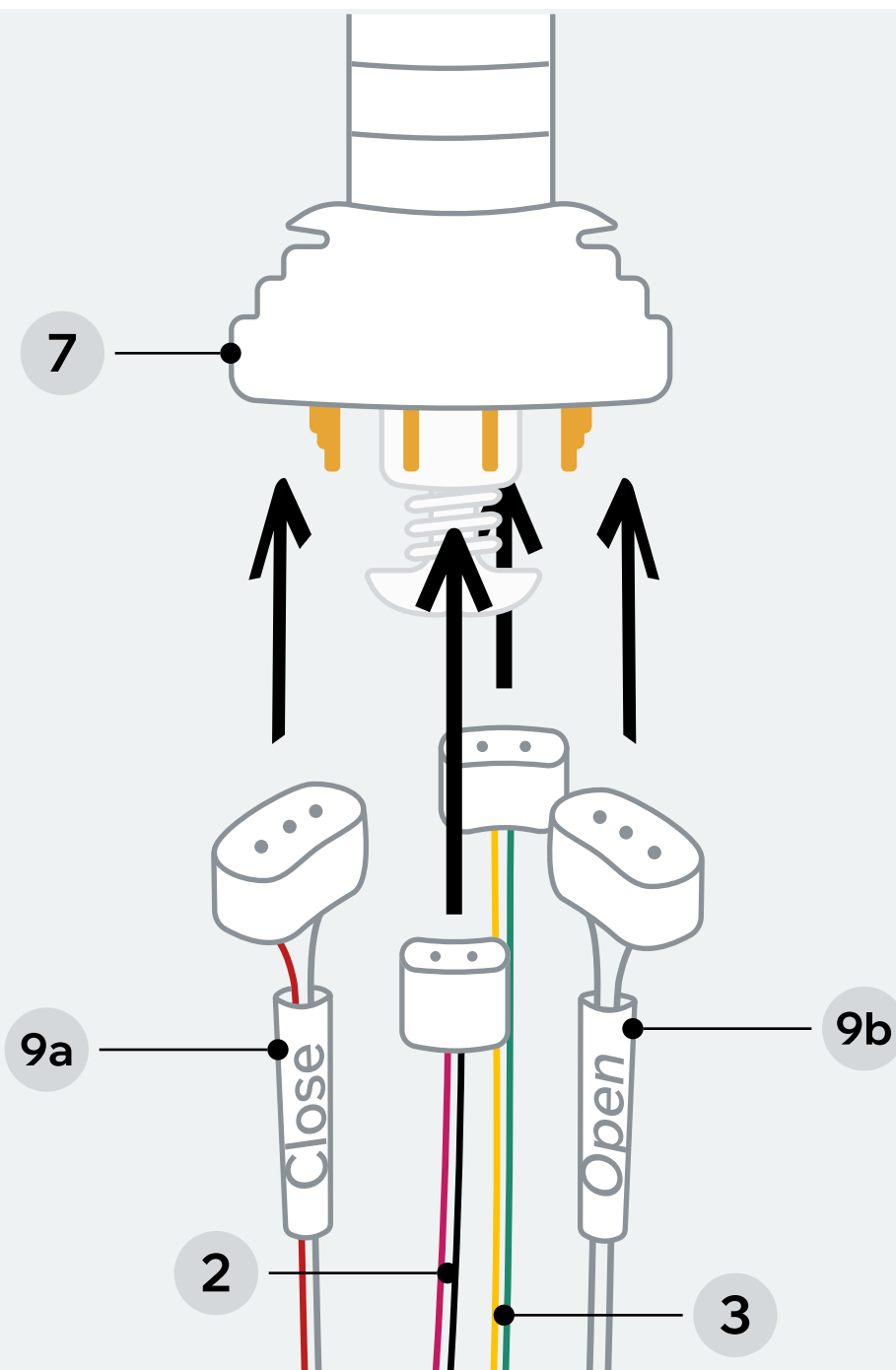
- 1. Ability Hand (EQD)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Power Switch
- 6. PSYONIC Battery Pack
- 7. 6-Ring Coaxial Plug
- 8. Digital (Coapt Digital) Cable

THIRD-PARTY COMPONENTS

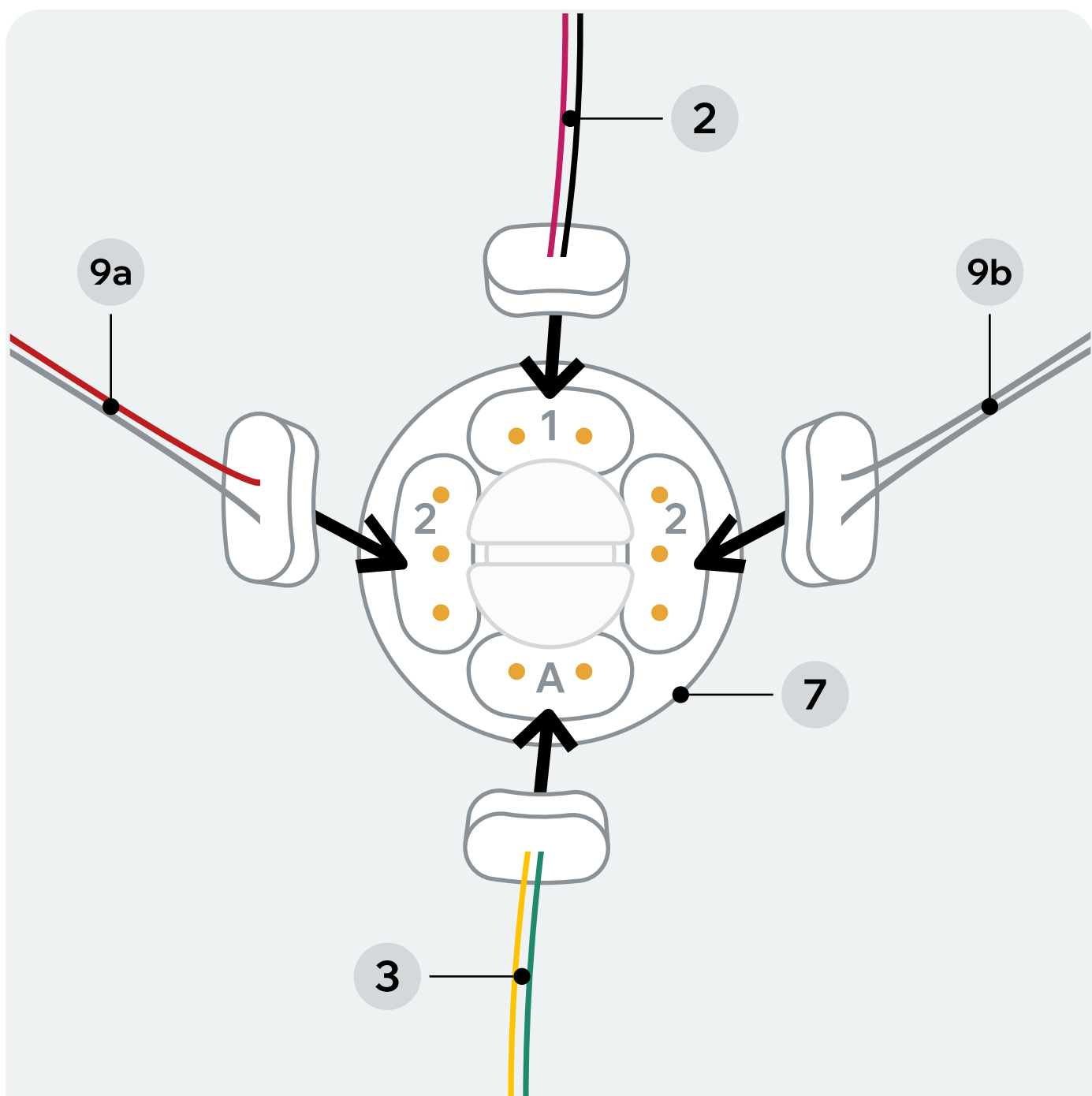
- 9. Coapt Pattern Recognition System

Ensure Coapt or Coapt 2-input O/C is selected in the Input System menu in the PSYONIC Mobile App

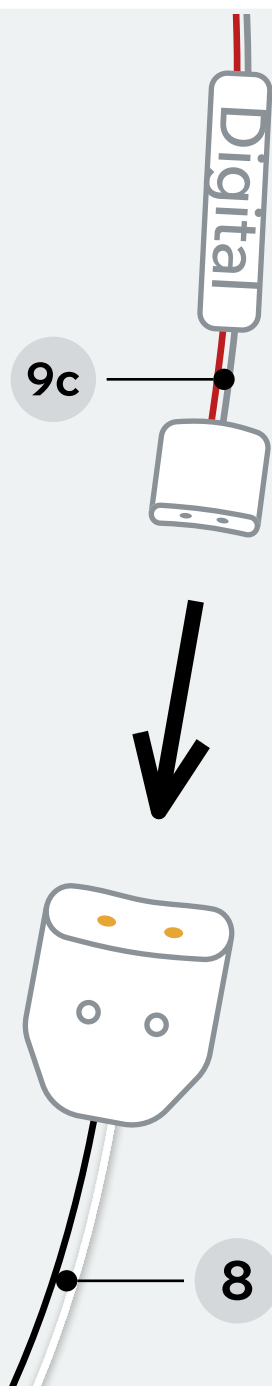




DETAIL VIEW 5 (a)
COAXIAL PLUG CONNECTION POINTS



DETAIL VIEW 5 (b)
COAXIAL PLUG CONNECTION POINTS



DETAIL VIEW 6
DIGITAL CABLES CONNECTION POINT

Pin Mapping Instructions

- Connect the PWR 2-pin connector 2 to the coaxial pins marked “1”
- Connect the COM 2-pin connector 3 to the coaxial pins marked “A”
- Connect the Coapt 3-pin connectors marked “Close” 9a and “Open” 9b to the coaxial pins marked “2”
- Connect the Coapt 2-pin connector marked “Digital” 9c to the Digital (Coapt Digital) 2-pin port 8

NOTE

The Coapt cable marked “Rotate” will remain unused in this configuration

Coapt + Power Switch +
Fillauer MC Standard Wrist Rotator +
Ability Hand (EQD)

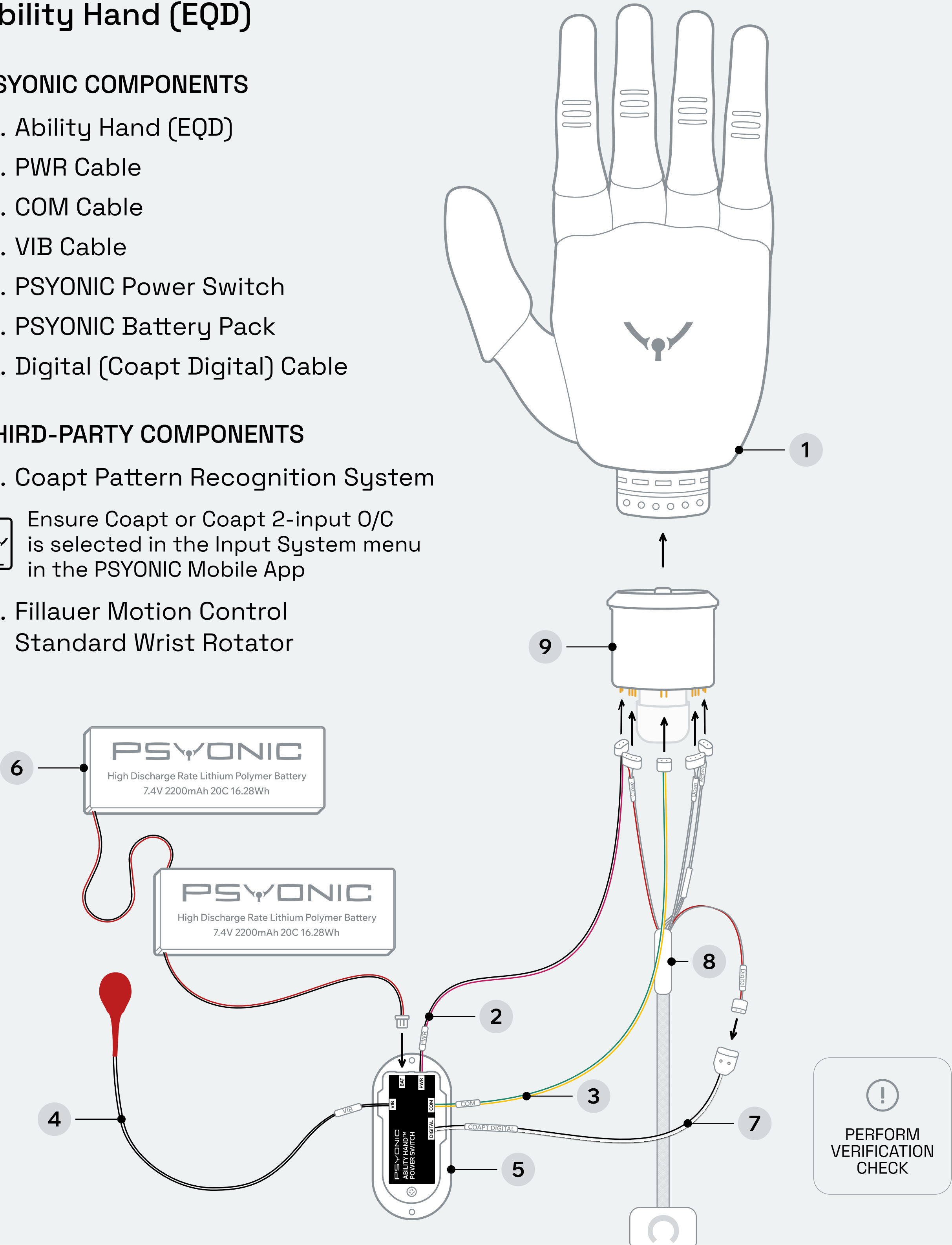
PSYONIC COMPONENTS

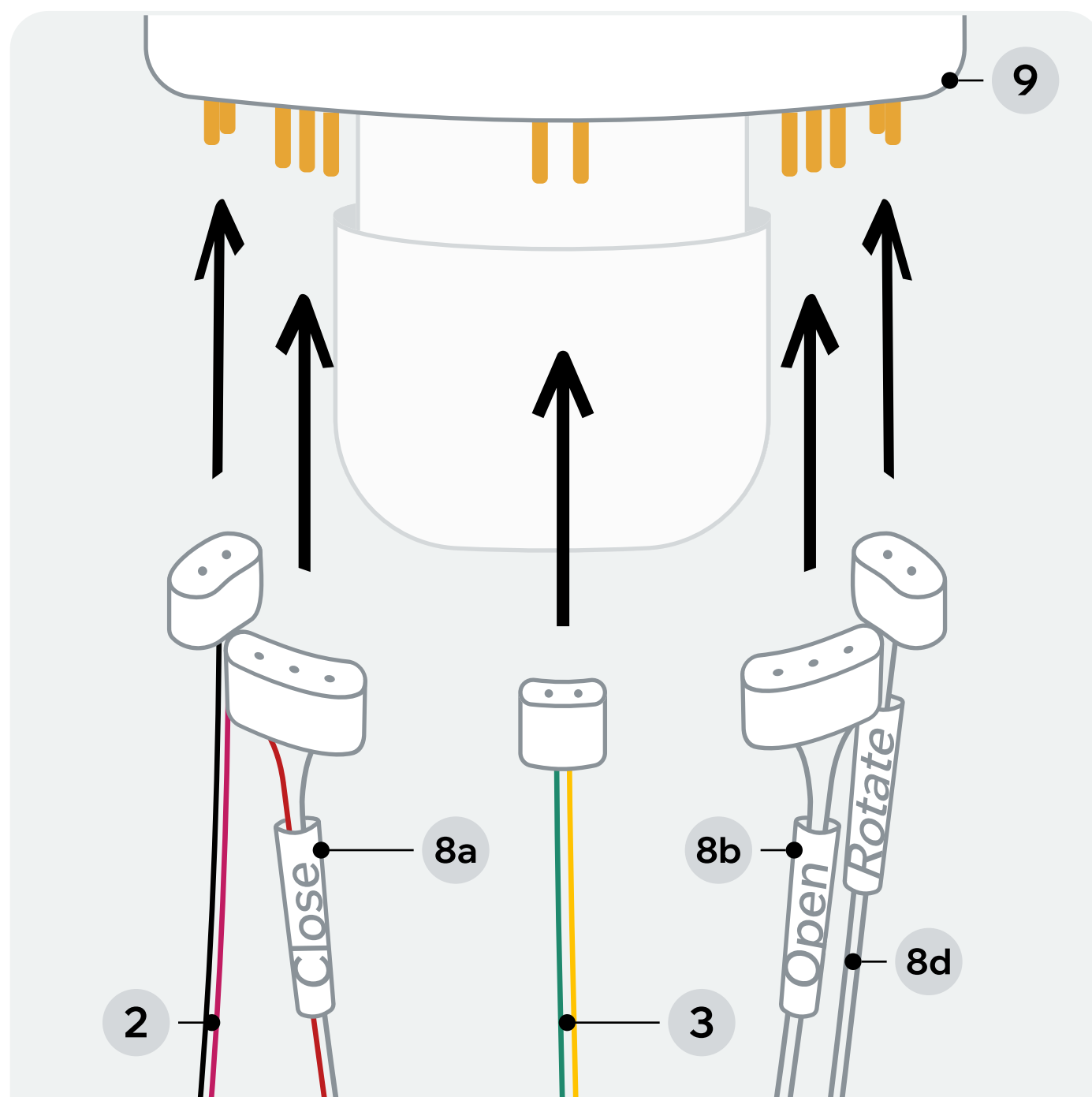
- 1. Ability Hand (EQD)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Power Switch
- 6. PSYONIC Battery Pack
- 7. Digital (Coapt Digital) Cable

THIRD-PARTY COMPONENTS

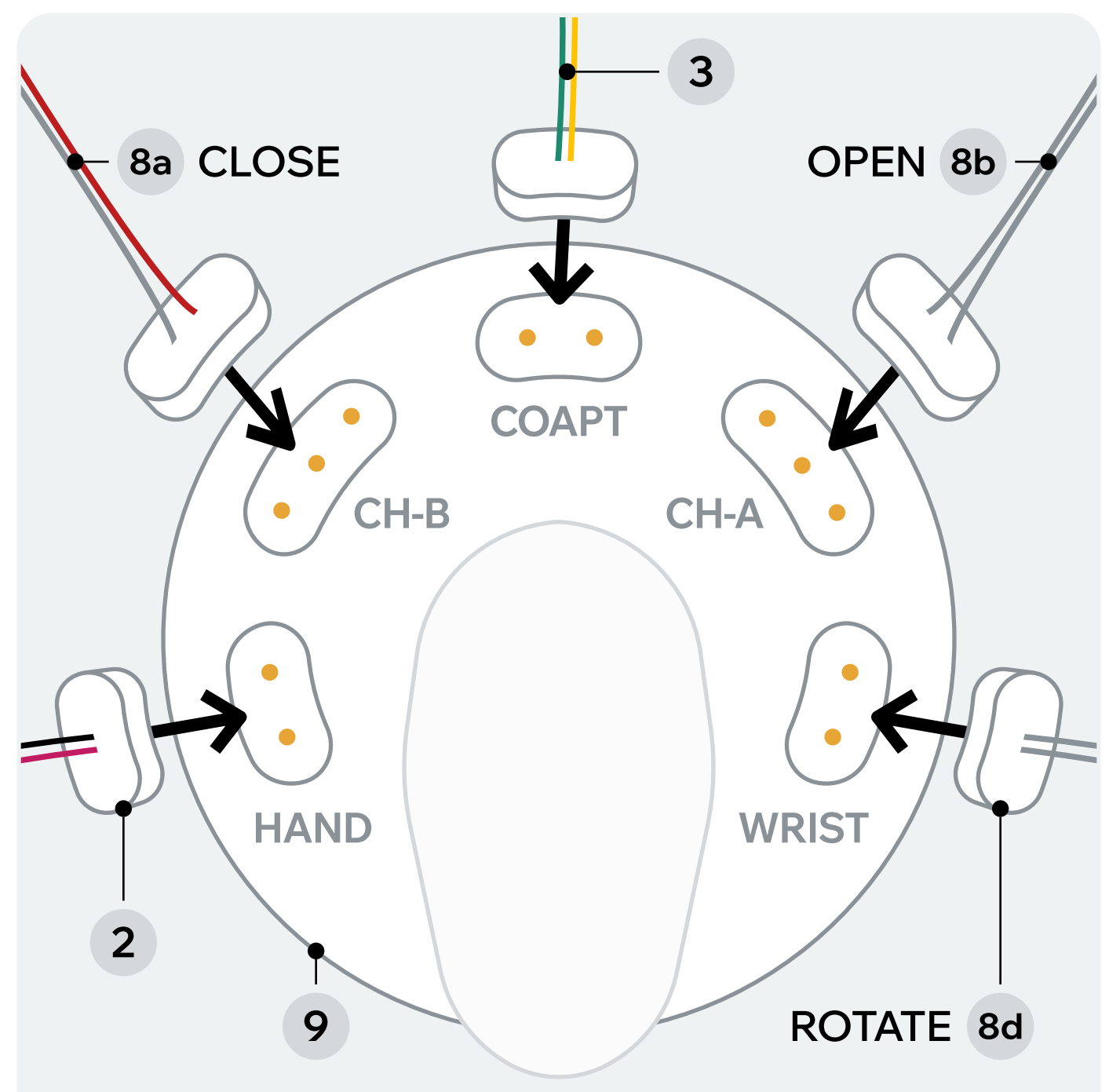
- 8. Coapt Pattern Recognition System
- 9. Fillauer Motion Control Standard Wrist Rotator

Ensure Coapt or Coapt 2-input O/C is selected in the Input System menu in the PSYONIC Mobile App

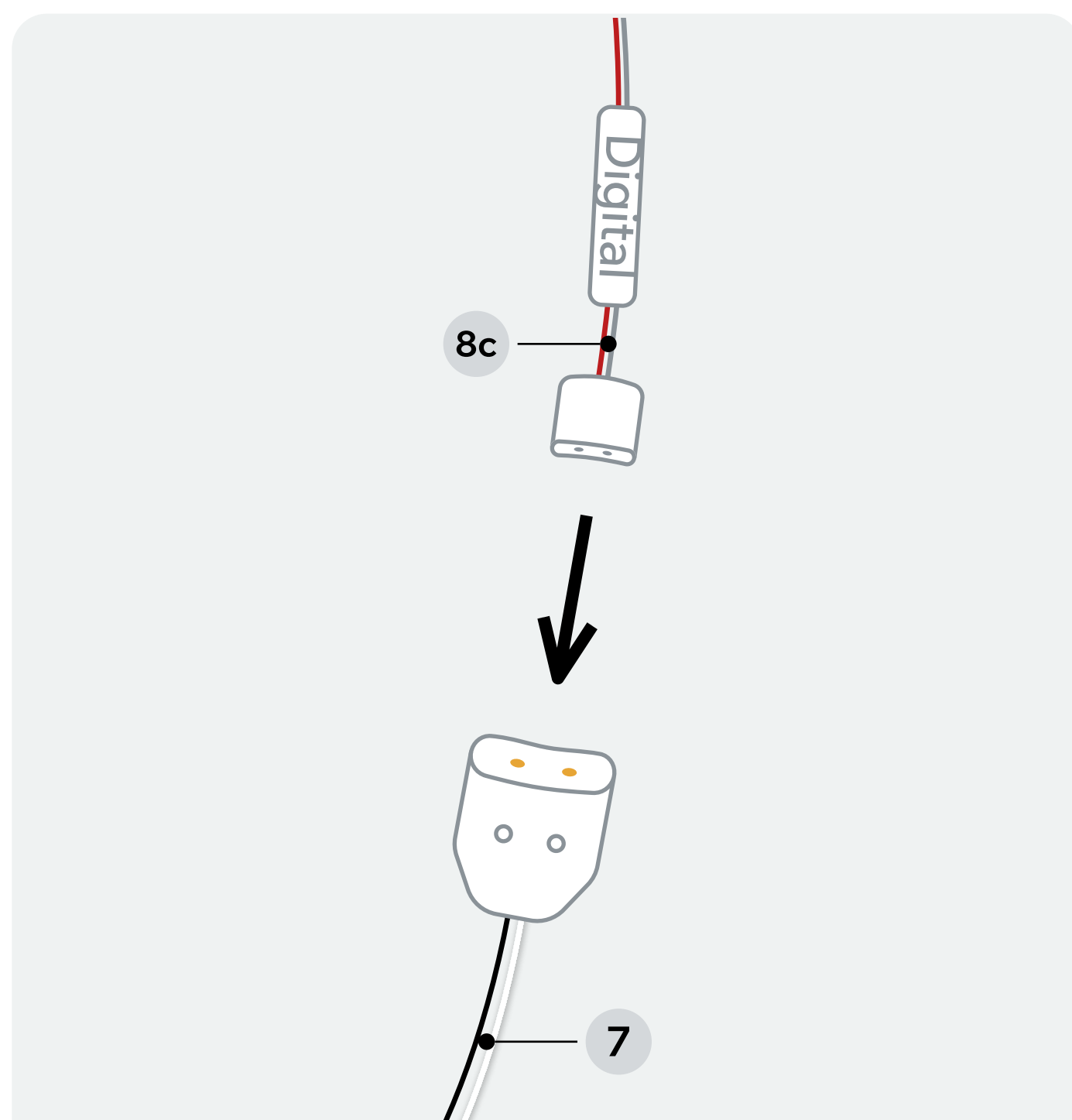




DETAIL VIEW 7 (a)
FILLAUER MOTION CONTROL
STANDARD WRIST ROTATOR
CONNECTION POINTS



DETAIL VIEW 7 (b)
FILLAUER MOTION CONTROL
STANDARD WRIST ROTATOR
CONNECTION POINTS



DETAIL VIEW 8
DIGITAL CABLES CONNECTION POINT

Pin Mapping Instructions

- Connect the PWR 2-pin connector **2** to the Standard Wrist pins marked “Hand”
- Connect the COM 2-pin connector **3** to the Standard Wrist pins marked “Coapt”
- Connect the Coapt 3-pin connector marked “Close” **8a** to the Standard Wrist pins marked “Ch-B”
- Connect the Coapt 3-pin connector marked “Open” **8b** to the Standard Wrist pins marked “Ch-A”
- Connect the Coapt 2-pin connector marked “Rotate” **8d** to the Standard Wrist pins marked “Wrist”
- Connect the Coapt 2-pin connector marked “Digital” **8c** to the Digital (Coapt Digital) 2-pin port **7**

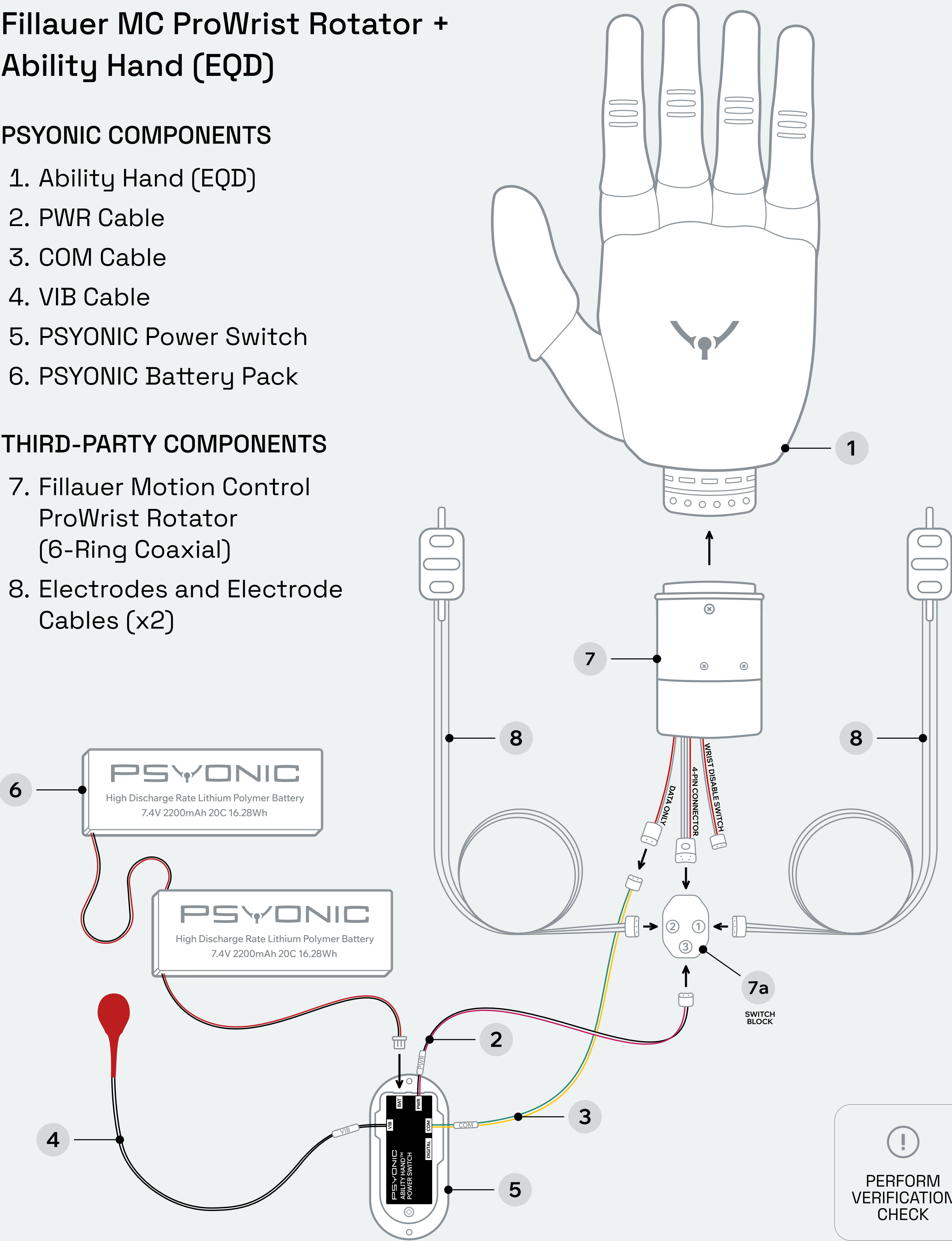
Power Switch +
Fillauer MC ProWrist Rotator +
Ability Hand (EQD)

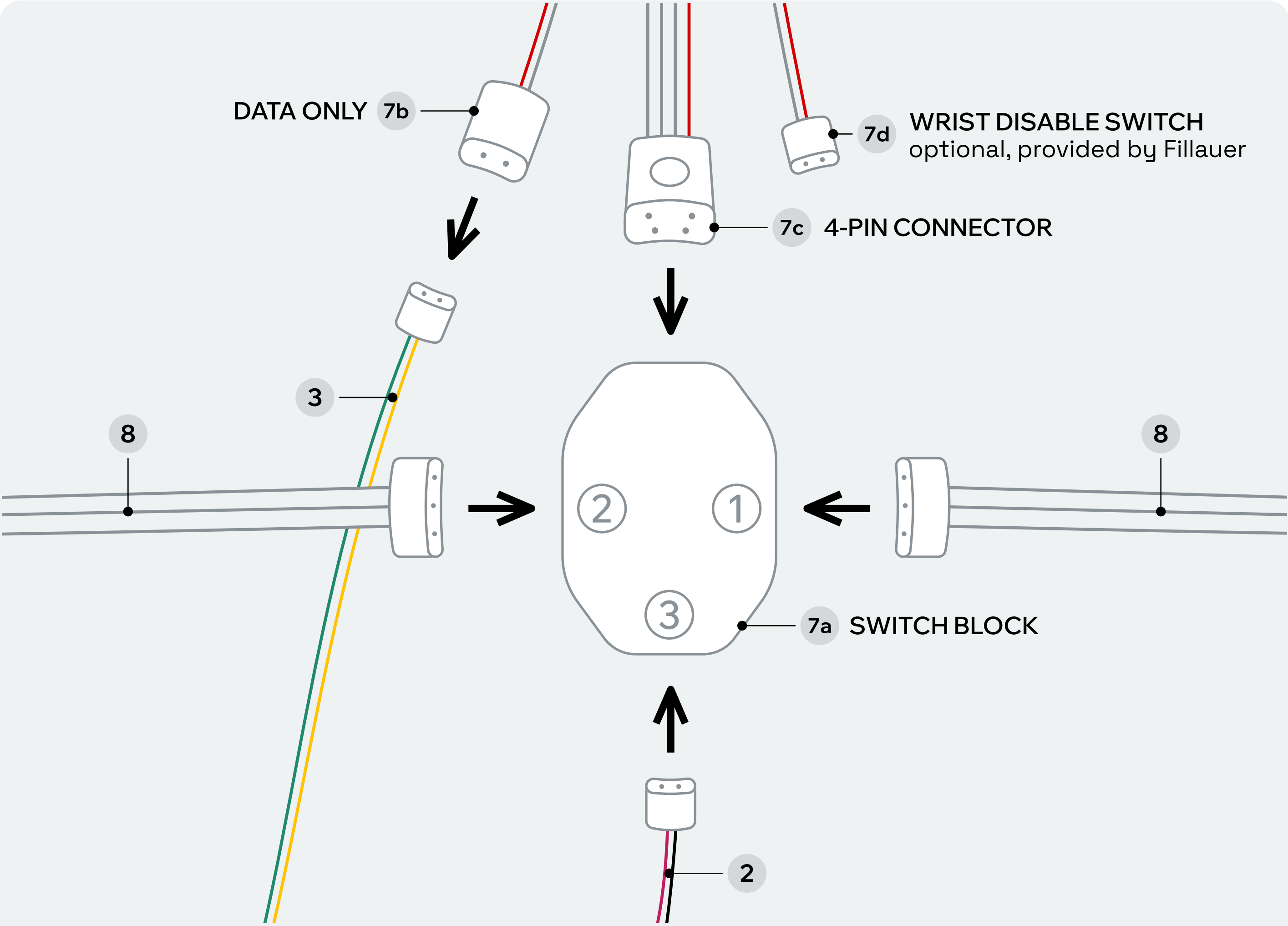
PSYONIC COMPONENTS

- 1. Ability Hand (EQD)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Power Switch
- 6. PSYONIC Battery Pack

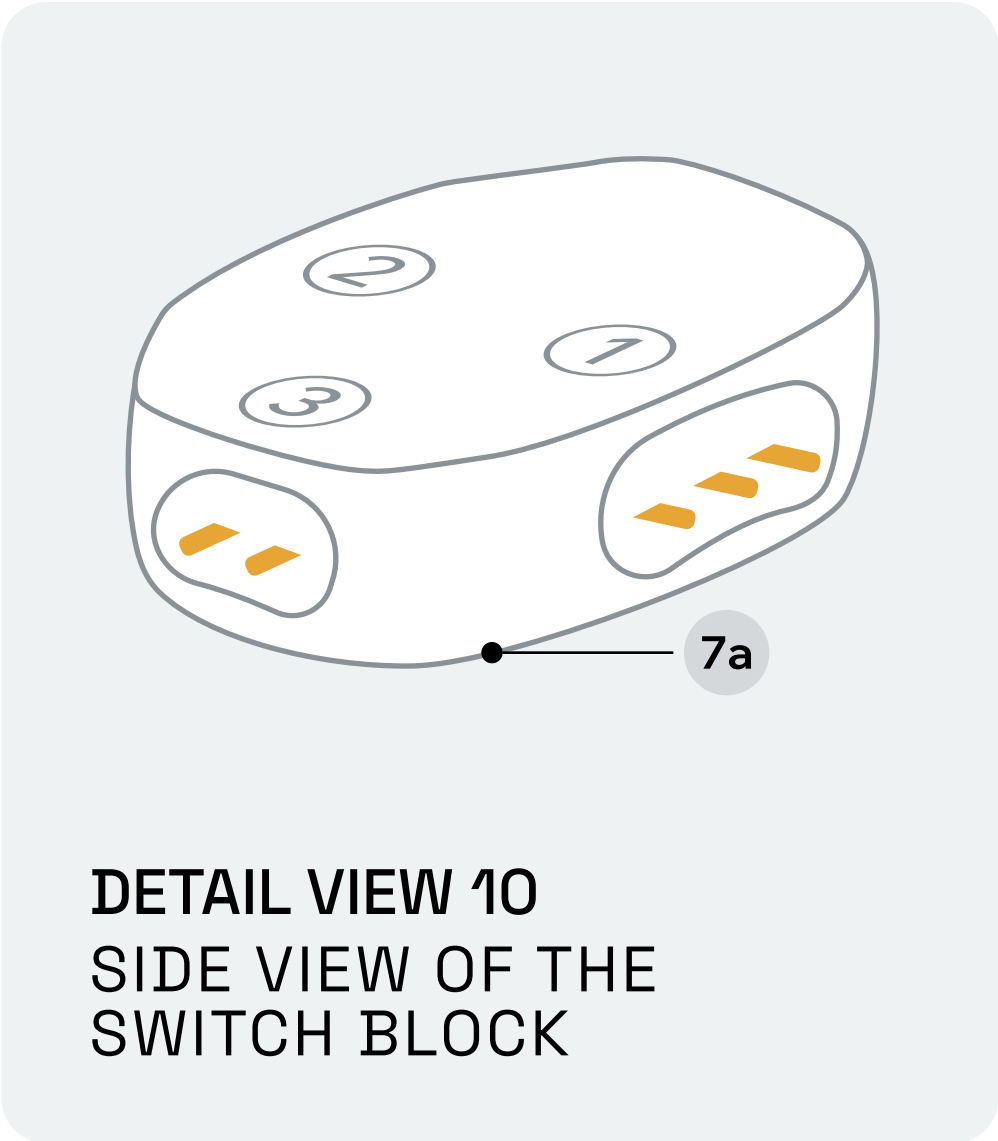
THIRD-PARTY COMPONENTS

- 7. Fillauer Motion Control ProWrist Rotator (6-Ring Coaxial)
- 8. Electrodes and Electrode Cables (x2)





DETAIL VIEW 9
FILLAUER MOTION CONTROL PROWRIST ROTATOR AND SWITCH BLOCK
CONNECTION POINTS



DETAIL VIEW 10
SIDE VIEW OF THE
SWITCH BLOCK

Pin Mapping Instructions

- Connect PWR 2-pin connector 2 to the Switch Block pins marked “3”
- Connect COM 2-pin connector 3 to the ProWrist 2-pin port marked “Data Only” 7b
- Connect electrode 3-pin connectors 8 to the Switch Block pins marked “1” and “2”
- Connect the ProWrist 4-pin connector 7c to the Switch Block 4-pin port

Ottobock Linear Transducer + Power Switch + Coaxial Plug + Ability Hand (EQD)

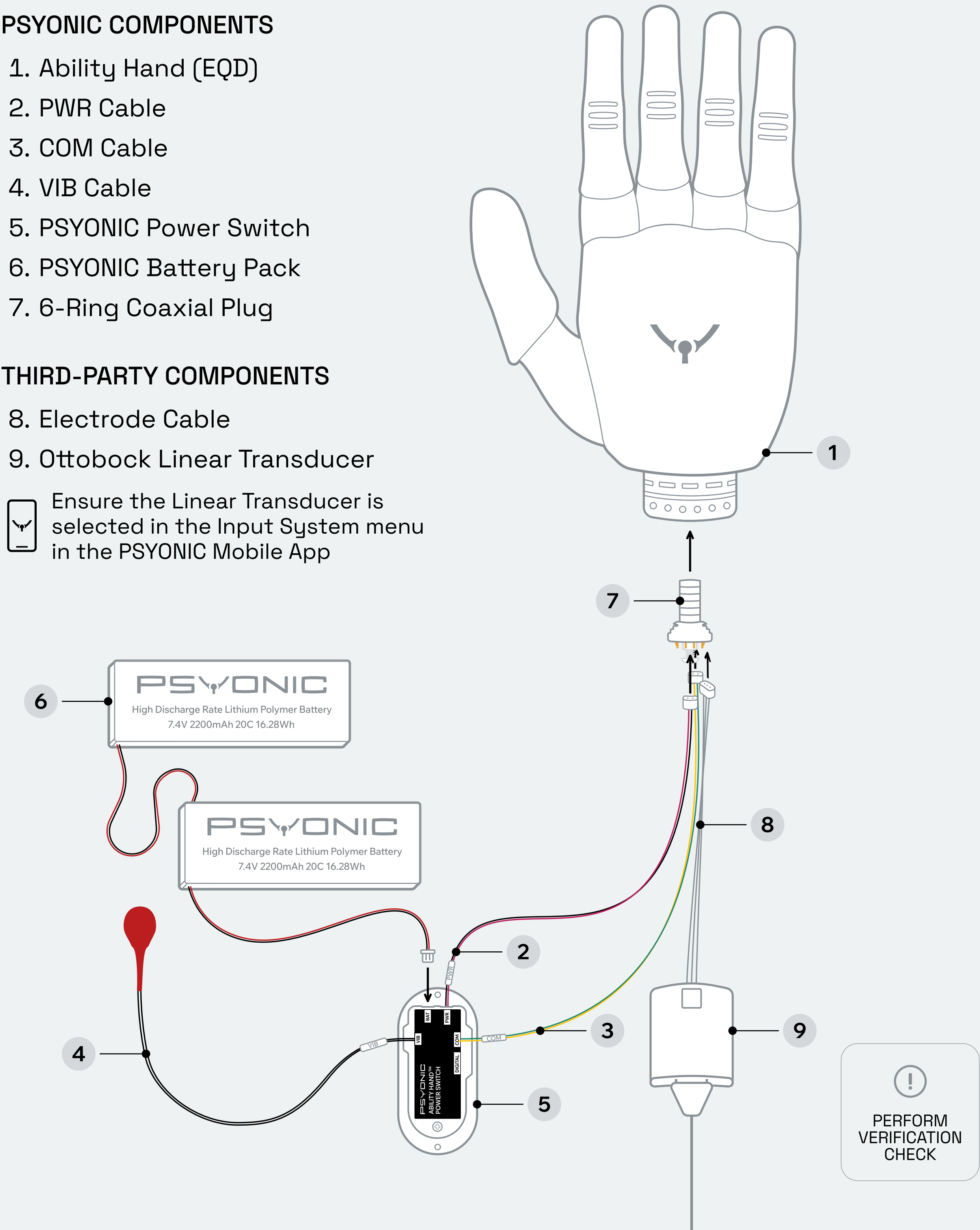
PSYONIC COMPONENTS

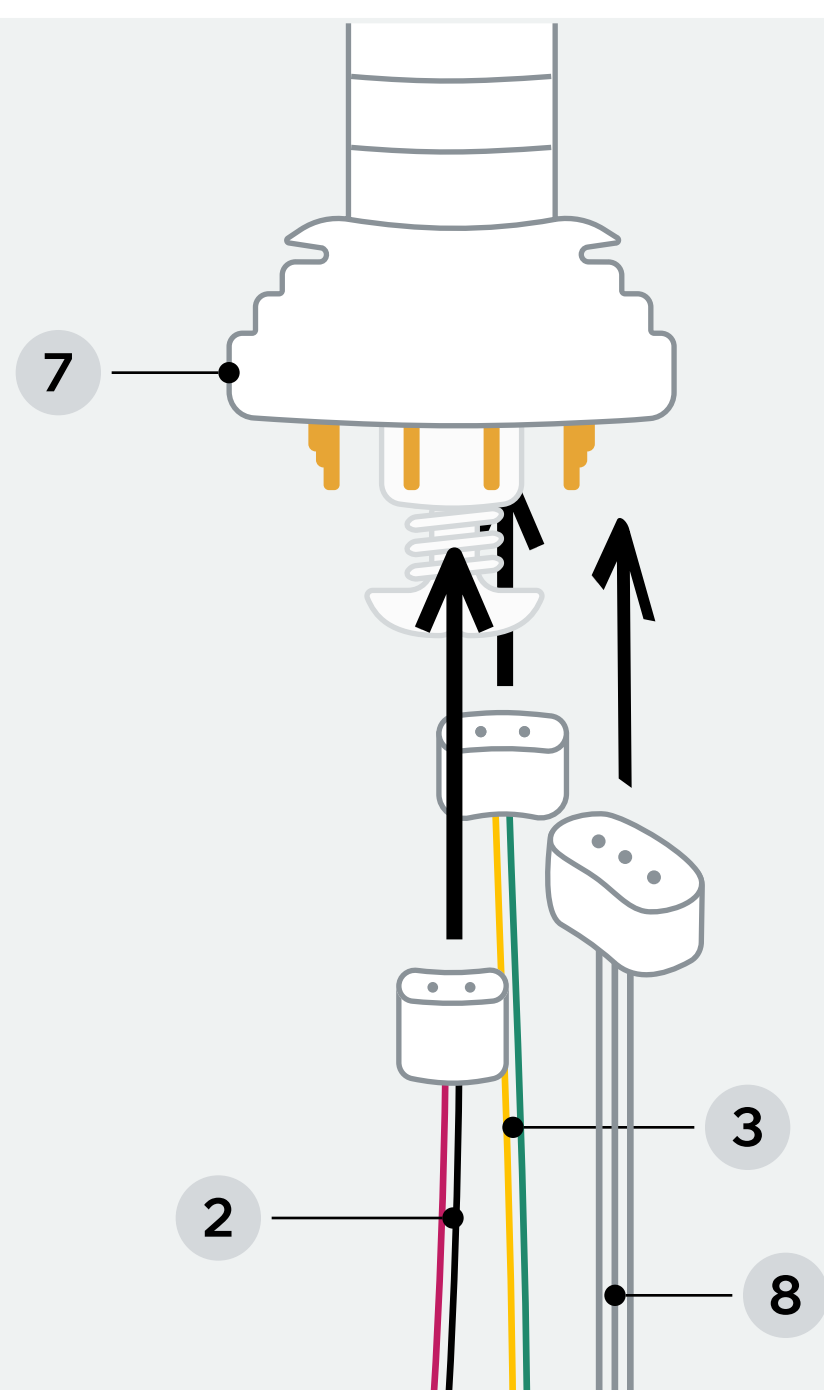
- 1. Ability Hand (EQD)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Power Switch
- 6. PSYONIC Battery Pack
- 7. 6-Ring Coaxial Plug

THIRD-PARTY COMPONENTS

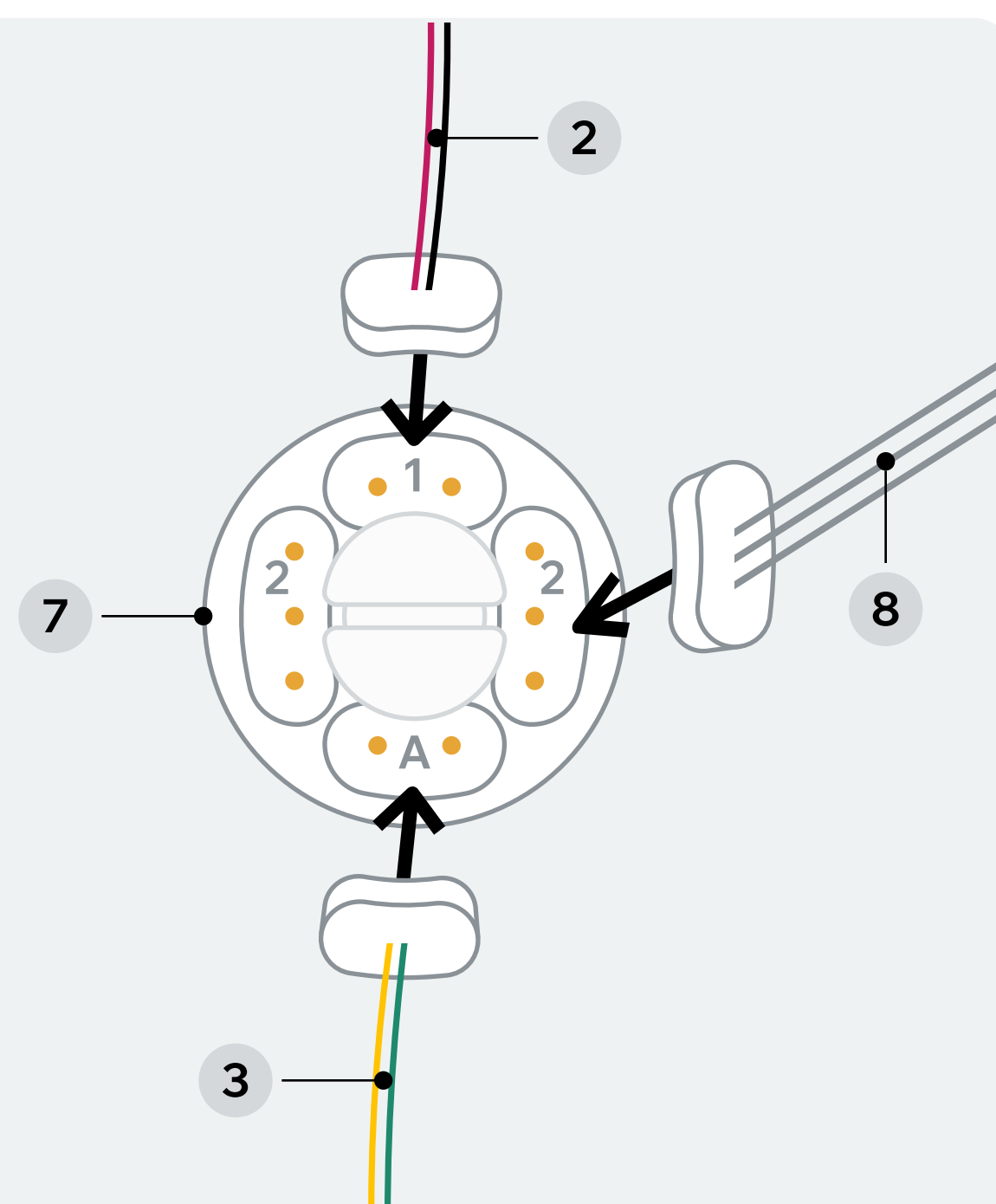
- 8. Electrode Cable
- 9. Ottobock Linear Transducer

Ensure the Linear Transducer is selected in the Input System menu in the PSYONIC Mobile App





DETAIL VIEW 11 (a)
COAXIAL PLUG CONNECTION POINTS



DETAIL VIEW 11 (b)
COAXIAL PLUG CONNECTION POINTS

Pin Mapping Instructions

- Connect the PWR 2-pin connector **2** to the coaxial pins marked “1”
- Connect the COM 2-pin connector **3** to the coaxial pins marked “A”
- Connect electrode 3-pin connector **8** to the coaxial pins marked “2”

Steeper Espire Pro/Hybrid
Powered Elbow with Coapt + Button +
Fillauer MC Standard Wrist Rotator +
Ability Hand (EQD)

PSYONIC COMPONENTS

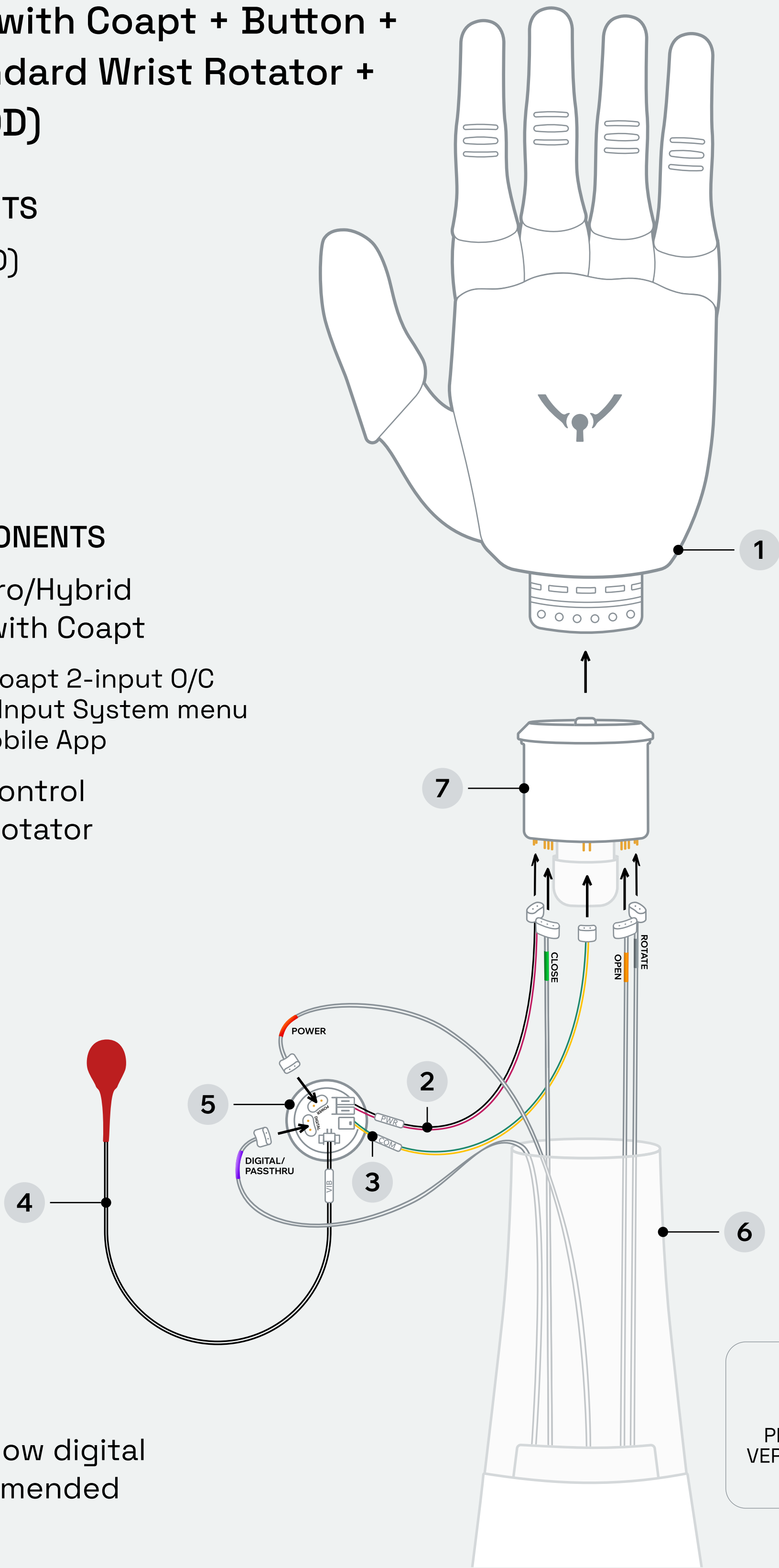
- 1. Ability Hand (EQD)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Button

THIRD-PARTY COMPONENTS

- 6. Steeper Espire Pro/Hybrid
Powered Elbow with Coapt

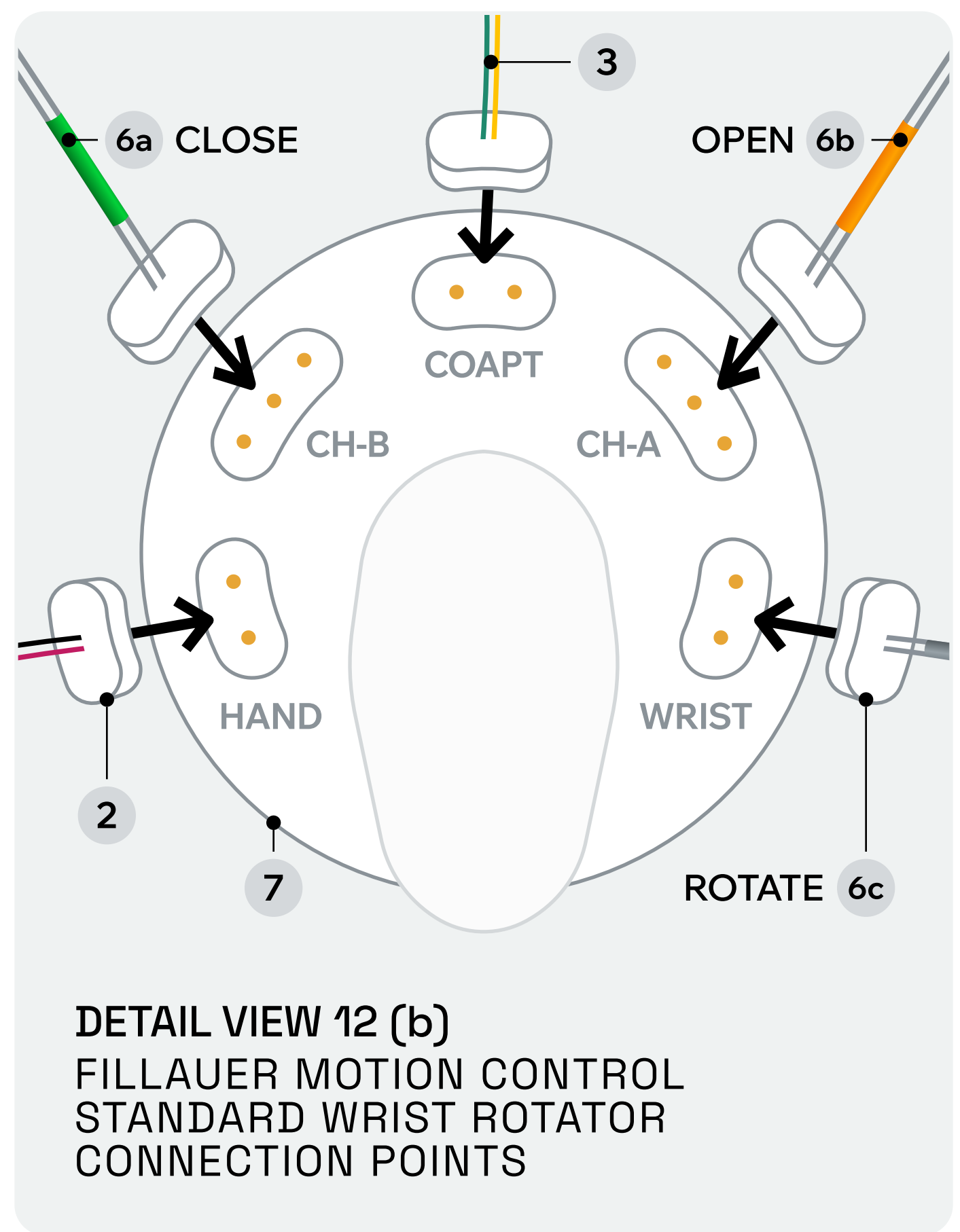
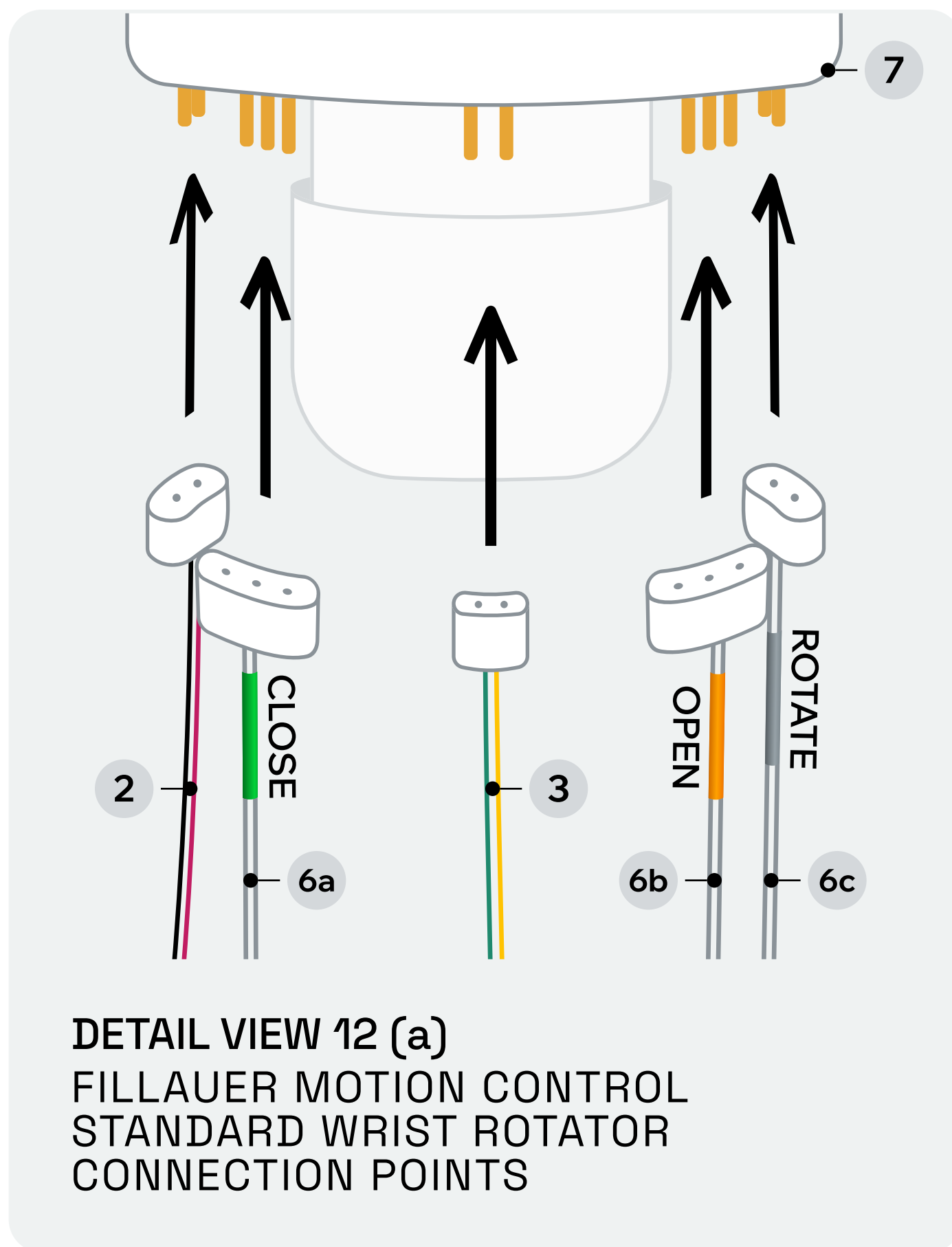
 Ensure Coapt or Coapt 2-input O/C
is selected in the Input System menu
in the PSYONIC Mobile App

- 7. Fillauer Motion Control
Standard Wrist Rotator



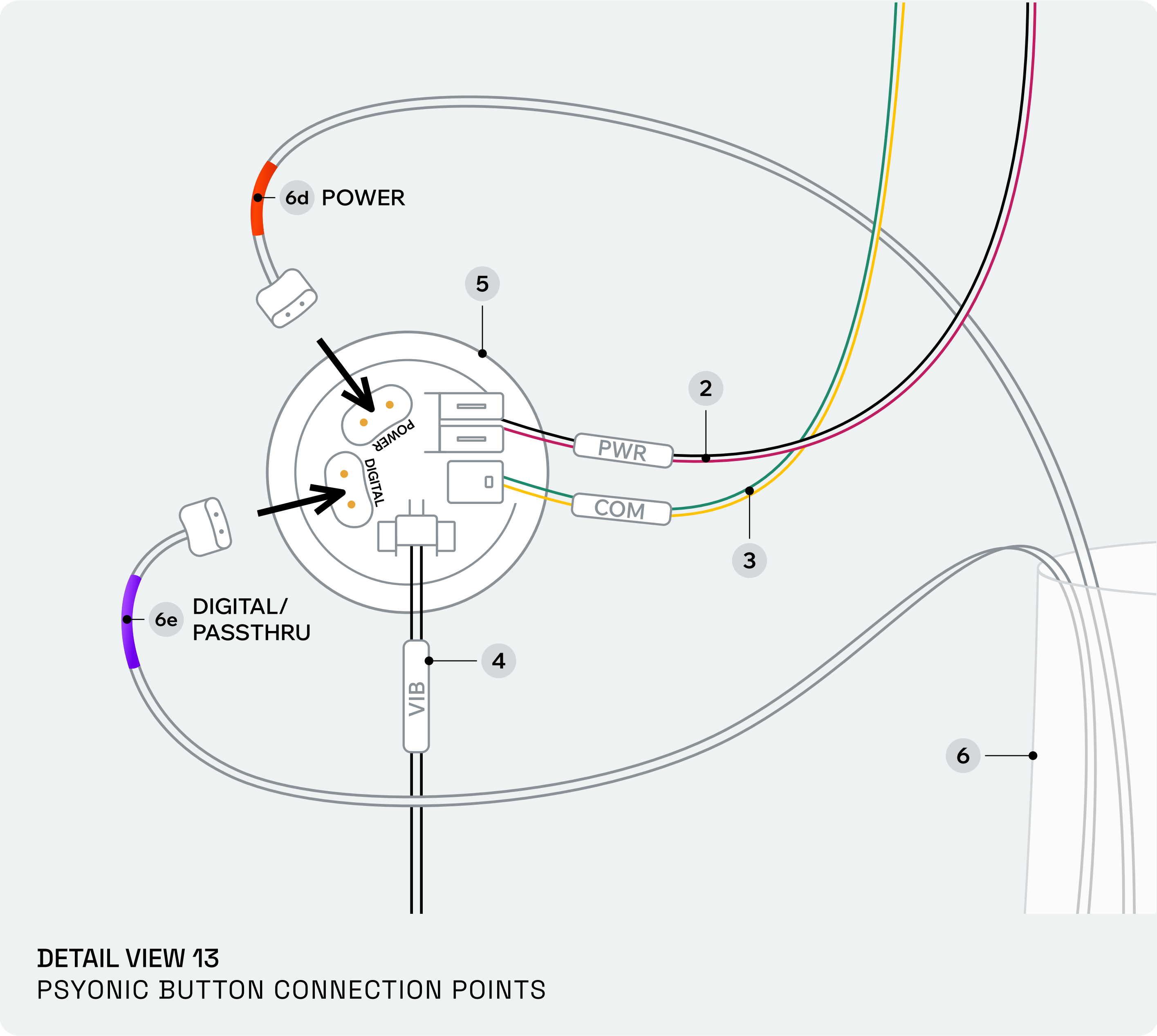
NOTE

Only elbows that allow digital
passthru are recommended



Pin Mapping Instructions

- Connect the PWR 2-pin connector **2** to the Standard Wrist pins marked “Hand”
- Connect the COM 2-pin connector **3** to the Standard Wrist pins marked “Coapt”
- Connect the green elbow 3-pin connector marked “Close” **6a** to the Standard Wrist pins marked “Ch-B”
- Connect the orange elbow 3-pin connector marked “Open” **6b** to the Standard Wrist pins marked “Ch-A”
- Connect the gray elbow 2-pin connector marked “Rotate” **6c** to the Standard Wrist pins marked “Wrist”



Pin Mapping Instructions

- Connect the red elbow 2-pin connector marked “Power” 6d to the Button pins marked “Power”
- Connect the purple elbow 2-pin connector marked Passthru” or “Digital” 6e to the Button pins marked “Digital”

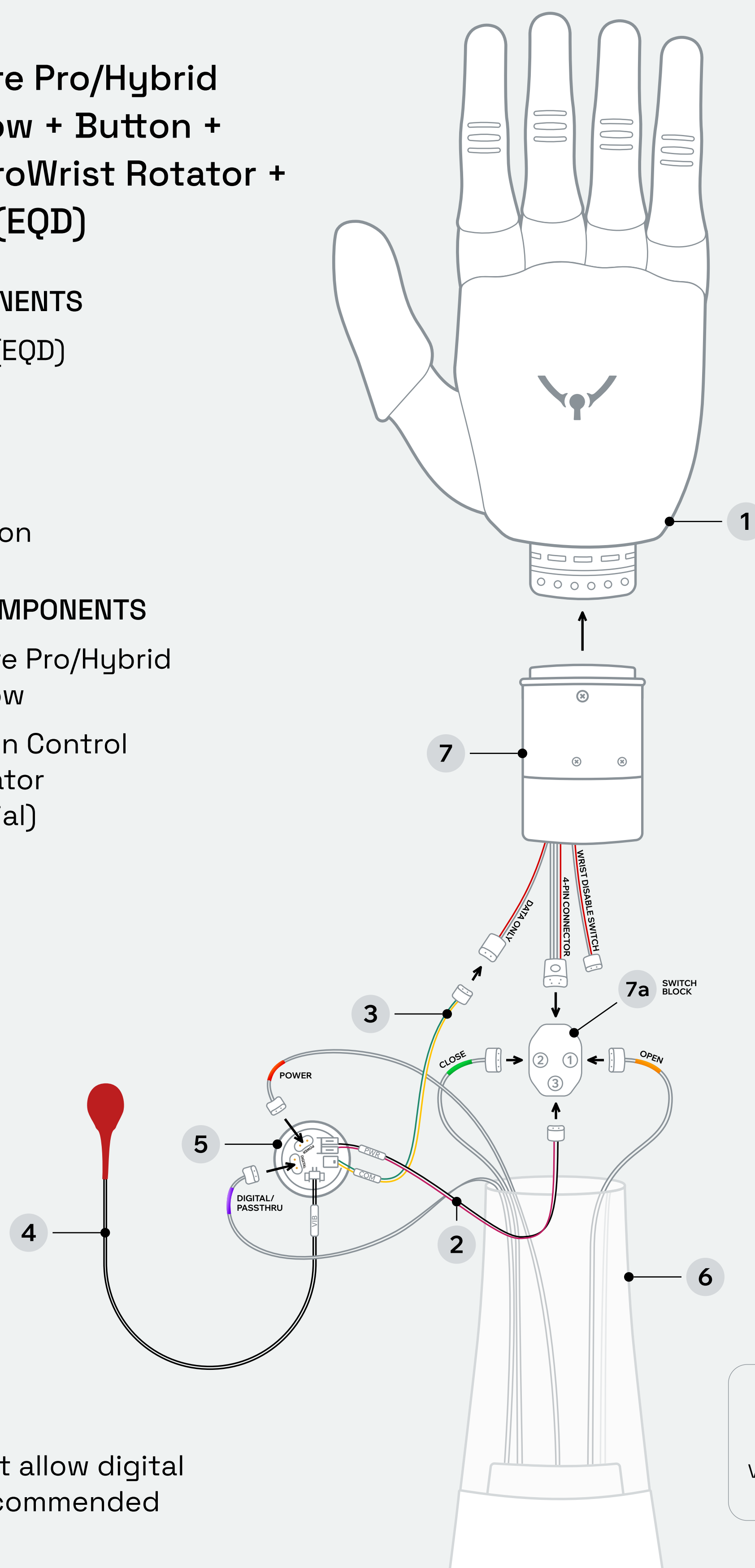
Steeper Espire Pro/Hybrid Powered Elbow + Button + Fillauer MC ProWrist Rotator + Ability Hand (EQD)

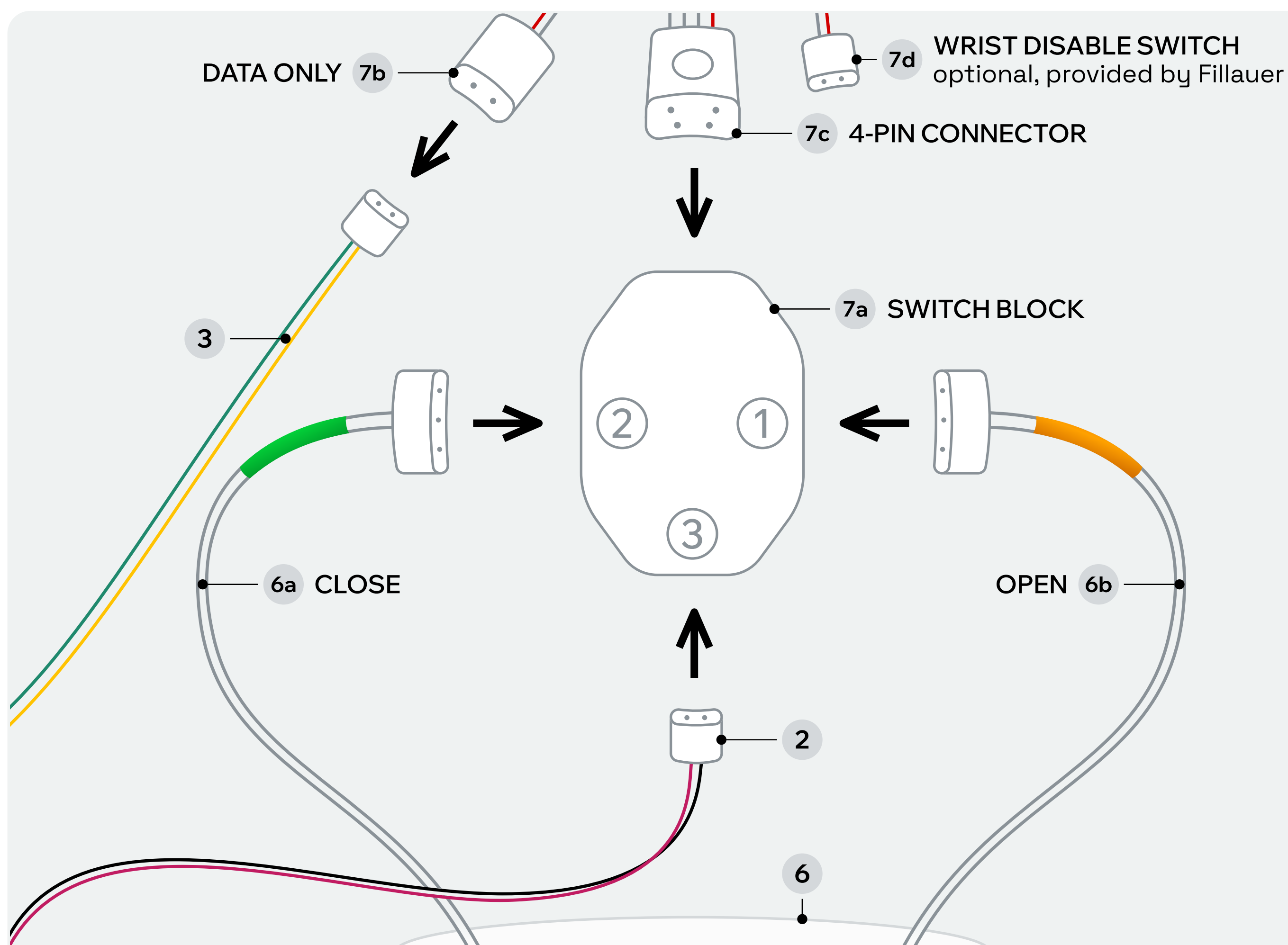
PSYONIC COMPONENTS

1. Ability Hand (EQD)
2. PWR Cable
3. COM Cable
4. VIB Cable
5. PSYONIC Button

THIRD-PARTY COMPONENTS

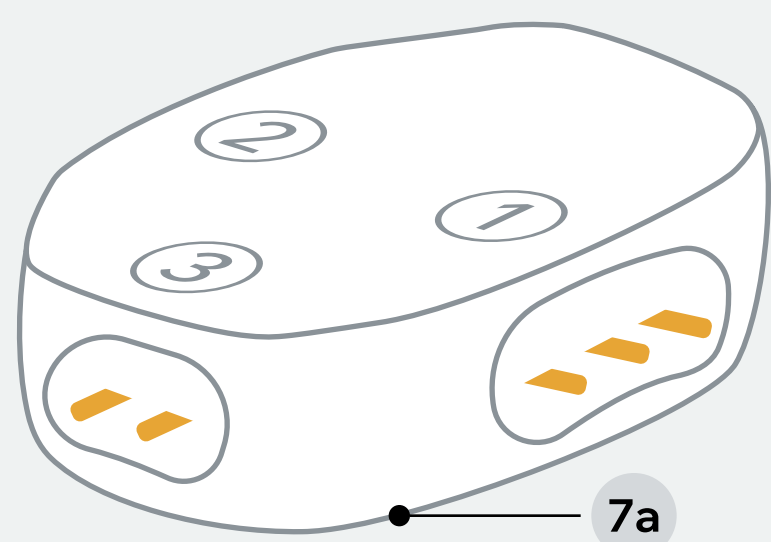
6. Steeper Espire Pro/Hybrid
Powered Elbow
7. Fillauer Motion Control
ProWrist Rotator
(6-Ring Coaxial)





DETAIL VIEW 14

FILLAUER MOTION CONTROL PROWRIST ROTATOR AND SWITCH BLOCK CONNECTION POINTS

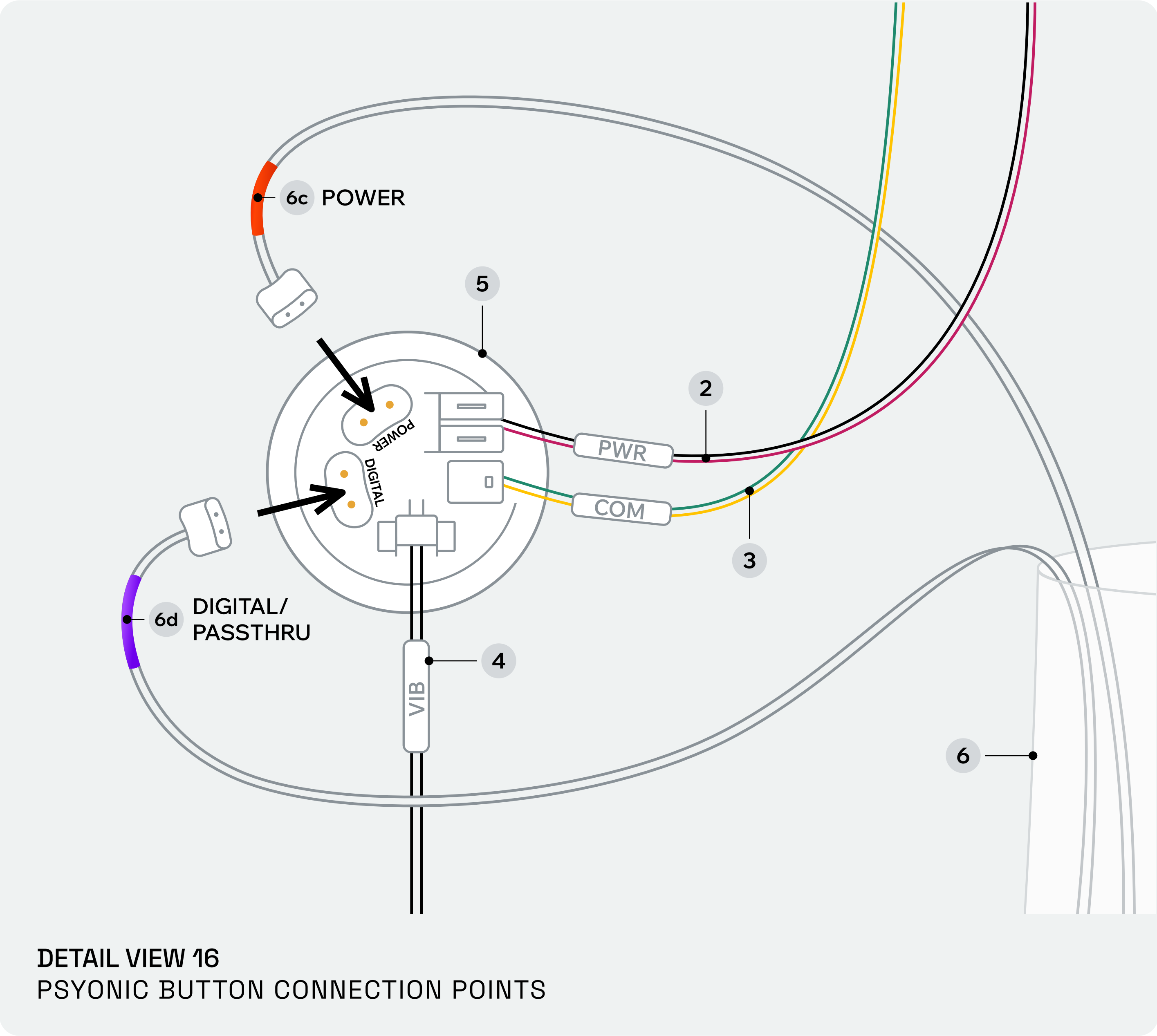


DETAIL VIEW 15

SIDE VIEW OF THE SWITCH BLOCK

Pin Mapping Instructions

- Connect PWR 2-pin connector **2** to the Switch Block pins marked “3”
- Connect COM 2-pin connector **3** to the ProWrist 2-pin port marked “Data Only” **7b**
- Connect the green elbow 3-pin connector marked “Close” **6a** to the Switch Block pins marked “2”
- Connect the orange elbow 3-pin connector marked “Open” **6b** to the Switch Block pins marked “1”
- Connect the ProWrist 4-pin connector **7c** to the Switch Block 4-pin port



Pin Mapping Instructions

- Connect the red elbow 2-pin connector marked “Power” 6c to the Button pins marked “Power”
- Connect the purple elbow 2-pin connector marked Passthru” or “Digital” 6d to the Button pins marked “Digital”

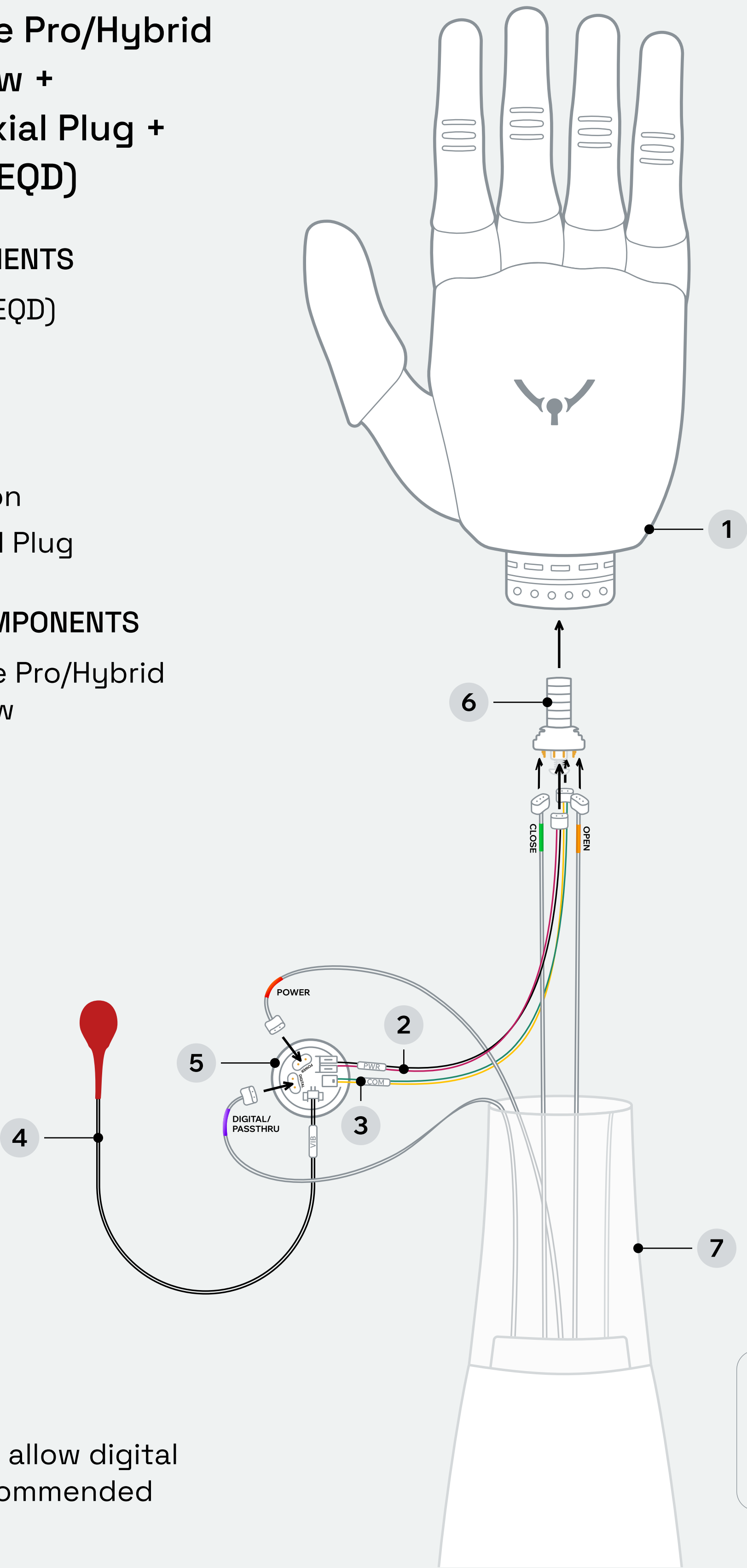
Steeper Espire Pro/Hybrid
Powered Elbow +
Button + Coaxial Plug +
Ability Hand (EQD)

PSYONIC COMPONENTS

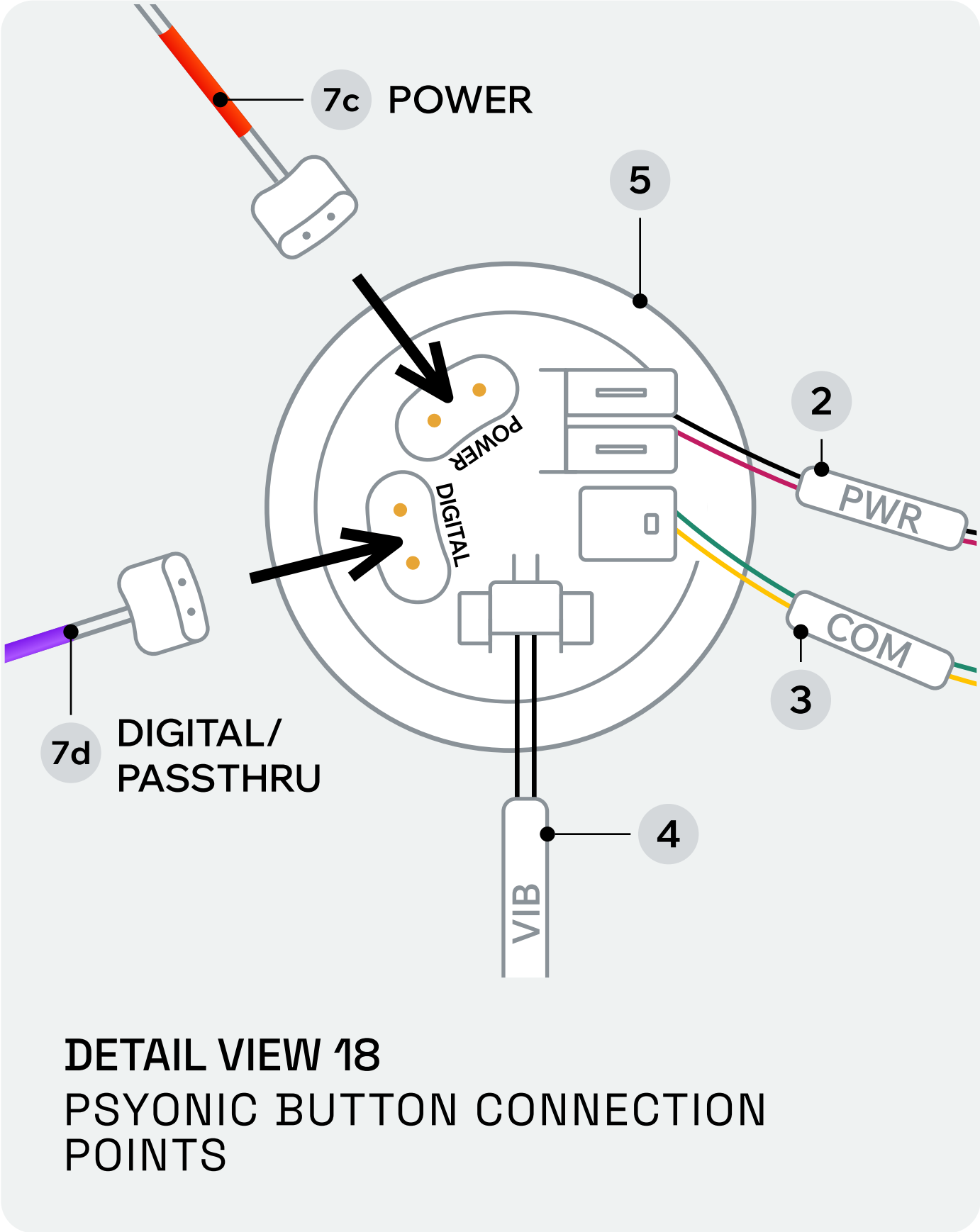
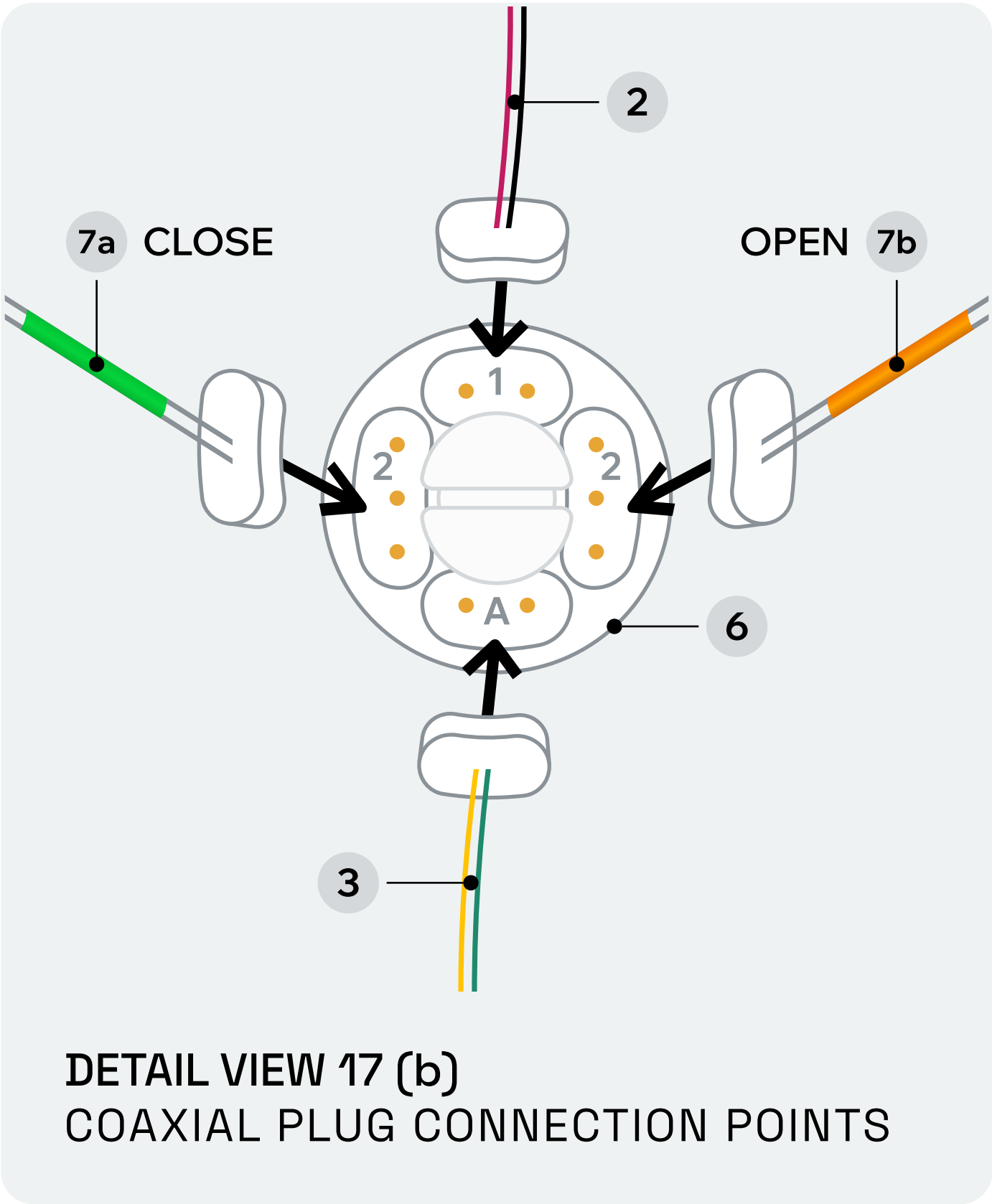
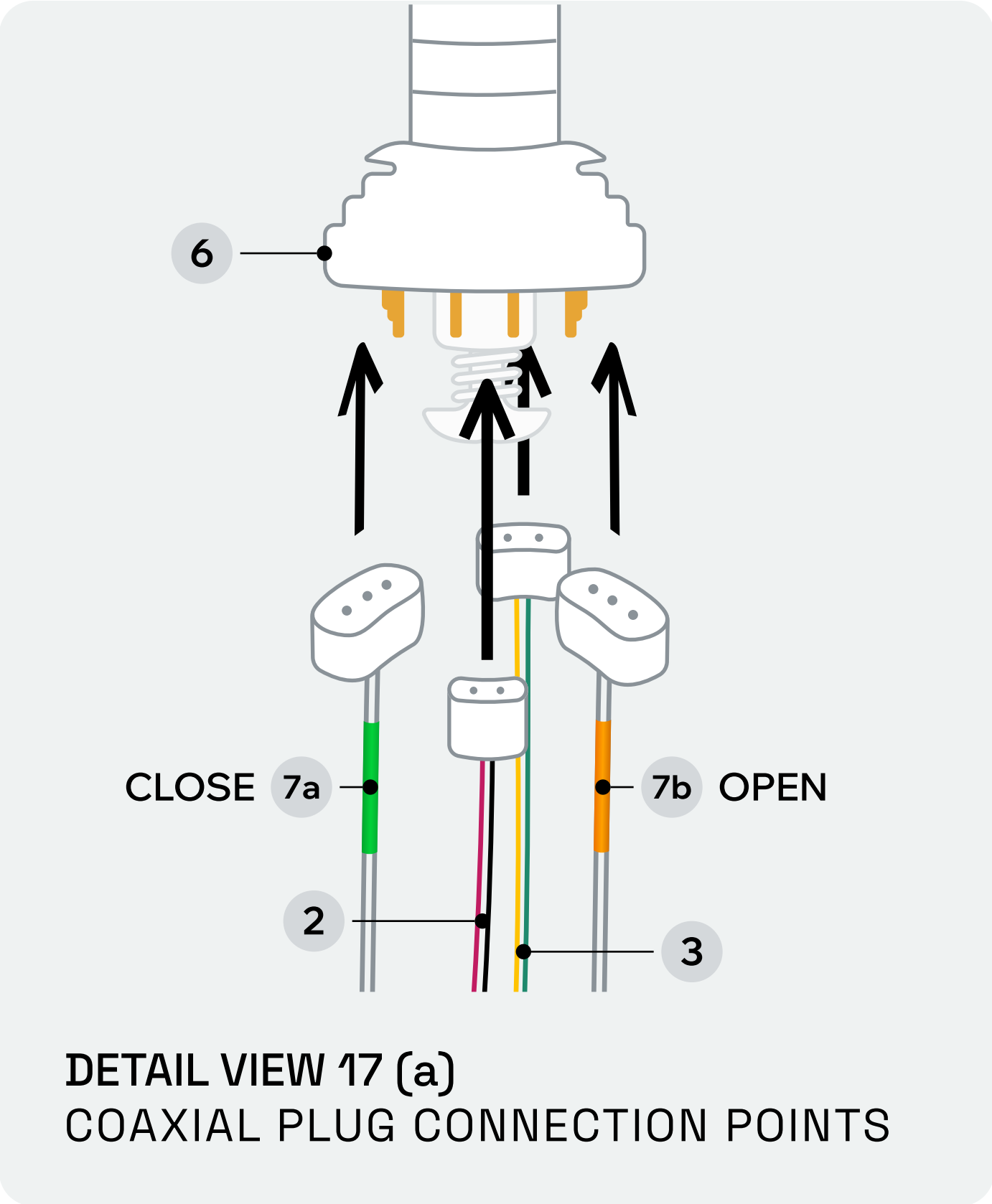
- 1. Ability Hand (EQD)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Button
- 6. 6-Ring Coaxial Plug

THIRD-PARTY COMPONENTS

- 7. Steeper Espire Pro/Hybrid
Powered Elbow



NOTE
Only elbows that allow digital
passthru are recommended



Pin Mapping Instructions

- Connect the PWR 2-pin connector 2 to the coaxial pins marked "1"
- Connect the COM 2-pin connector 3 to the coaxial pins marked "A"
- Connect the green and orange 3-pin elbow cables marked "Close" 7a and "Open" 7b to the coaxial pins marked "2"
- Connect the red elbow 2-pin connector marked "Power" 7c to the Button pins marked "Power"
- Connect the purple elbow 2-pin connector marked "Passthru" or "Digital" 7d to the Button pins marked "Digital"

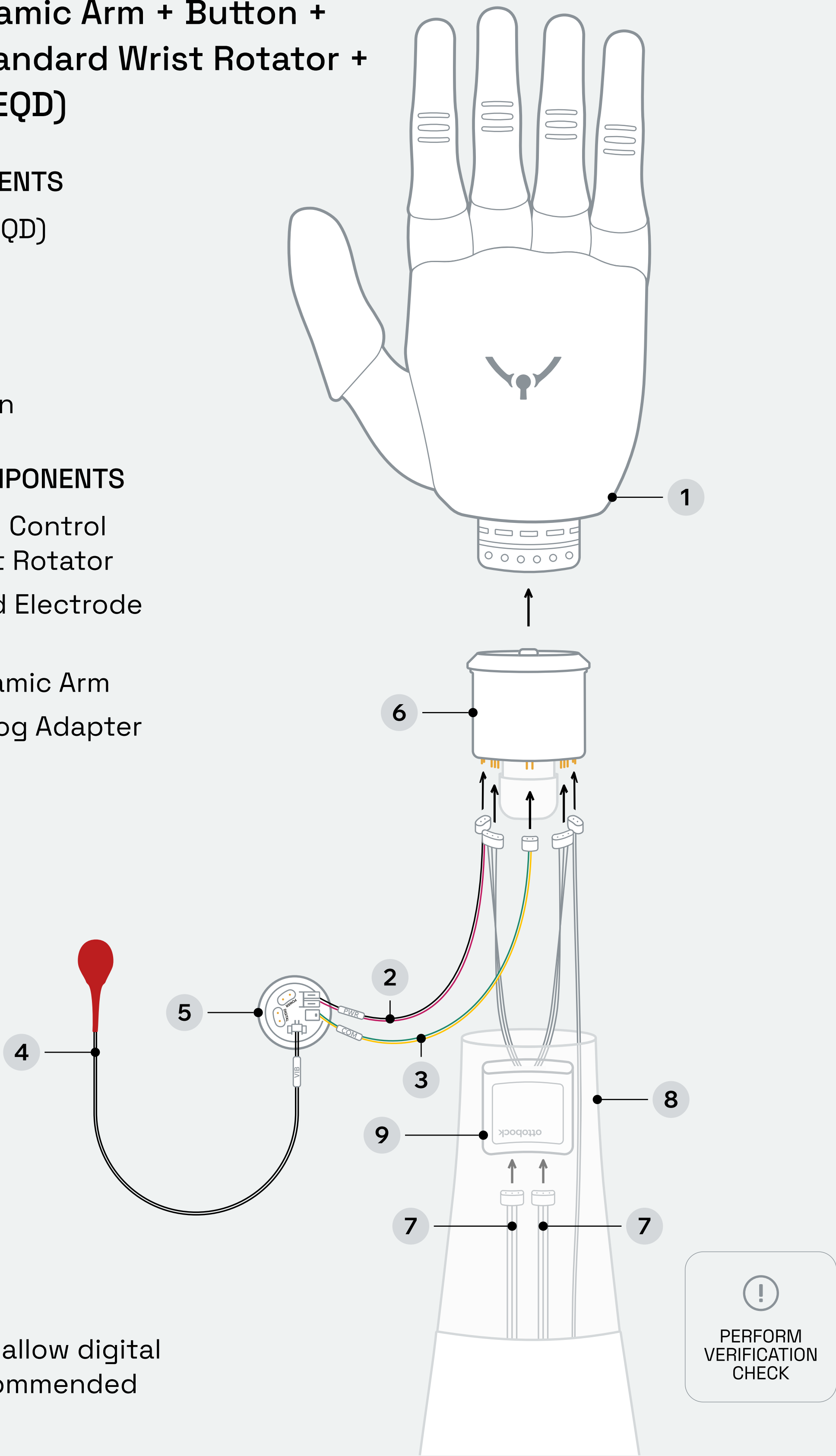
Ottobock Dynamic Arm + Button +
Fillauer MC Standard Wrist Rotator +
Ability Hand (EQD)

PSYONIC COMPONENTS

- 1. Ability Hand (EQD)
- 2. PWR Cable
- 3. COM Cable
- 4. VIB Cable
- 5. PSYONIC Button

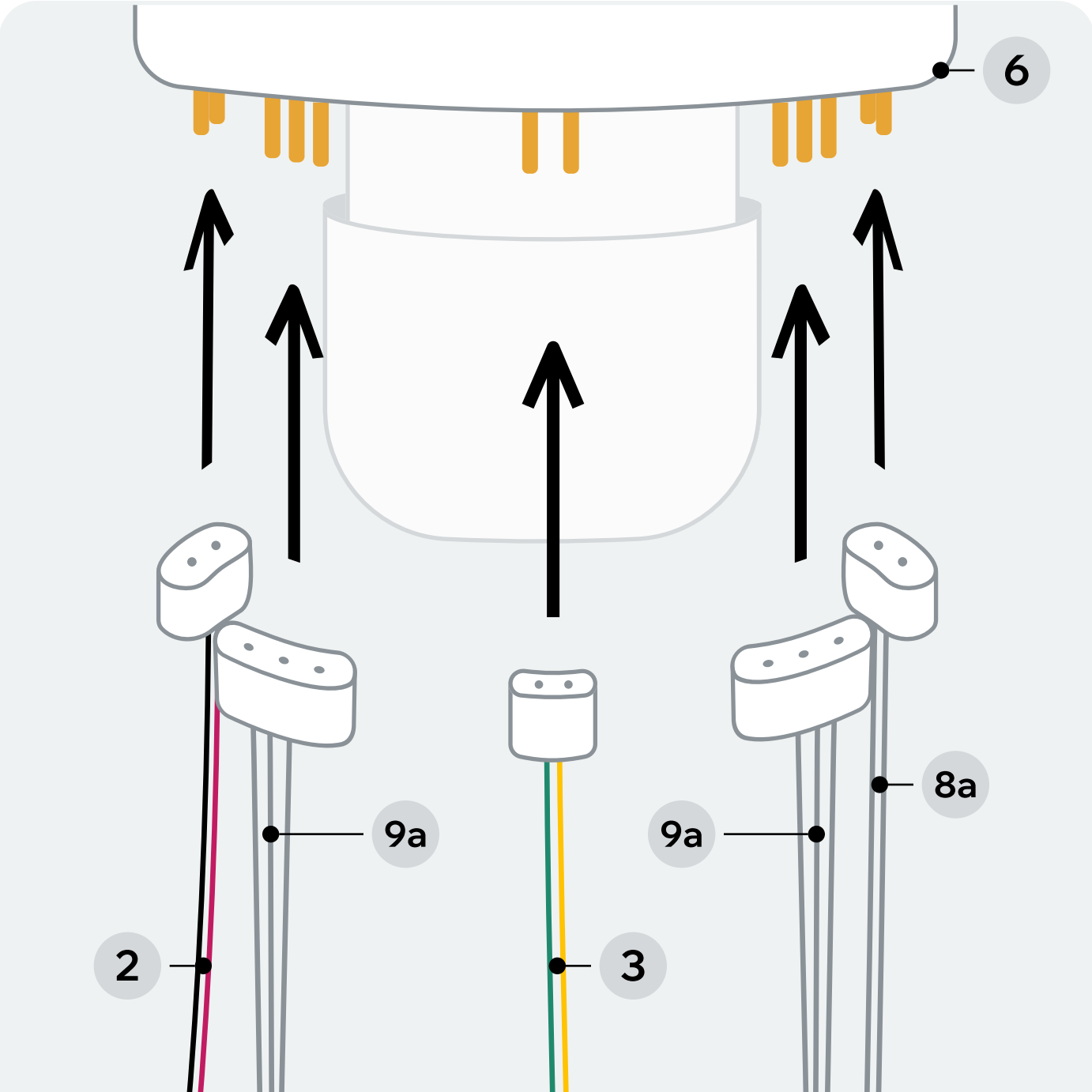
THIRD-PARTY COMPONENTS

- 6. Fillauer Motion Control
Standard Wrist Rotator
- 7. Electrodes and Electrode
Cables (x2)
- 8. Ottobock Dynamic Arm
- 9. Ottobock Analog Adapter

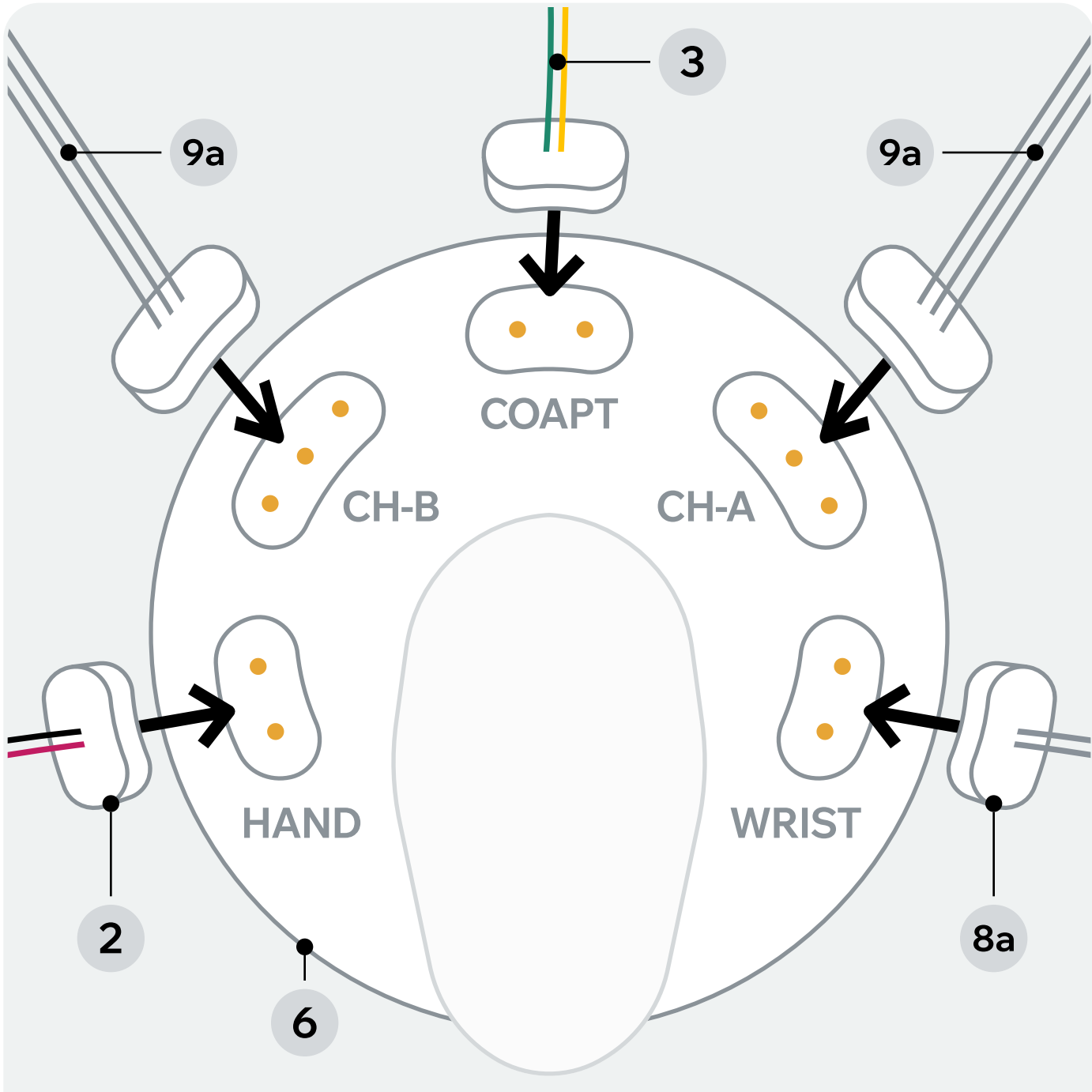


NOTE

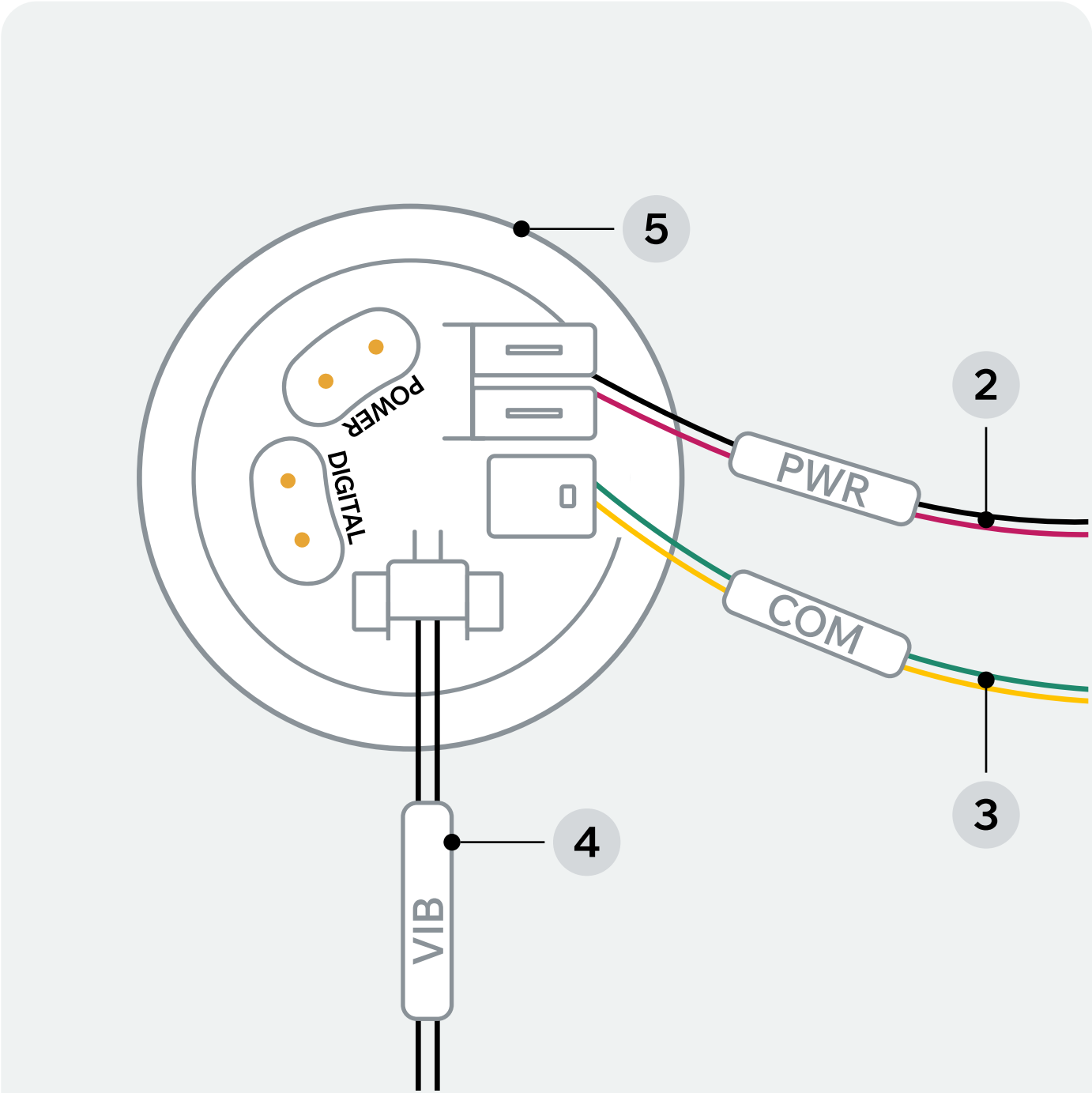
Only elbows that allow digital passthru are recommended



DETAIL VIEW 19 (a)
FILLAUER MOTION CONTROL
STANDARD WRIST ROTATOR
CONNECTION POINTS



DETAIL VIEW 19 (b)
FILLAUER MOTION CONTROL
STANDARD WRIST ROTATOR
CONNECTION POINTS



DETAIL VIEW 20
PSYONIC BUTTON

Pin Mapping Instructions

- Connect the PWR 2-pin connector **2** to the Standard Wrist pins marked “Hand”
- Connect the COM 2-pin connector **3** to the Standard Wrist pins marked “Coapt”
- Connect the electrode 3-pin connectors **9a** to the Standard Wrist pins marked “Ch-A” and “Ch-B”
- Connect the elbow 2-pin connector **8a** to the Standard Wrist pins marked “Wrist”

4. TROUBLESHOOTING

This section outlines common issues encountered during installation and operation of the Ability Hand. Below, find recommended steps to verify system status and restore proper function.

LED Indicators and Troubleshooting

INDICATOR / CONDITION	POSSIBLE CAUSE	CORRECTIVE ACTION
Blinking red LED	Communication error	Verify the orientation and integrity of the COM cable.
		Ensure the coaxial plug or wrist rotator is equipped with six rings. 4-ring coaxial plugs may result in this condition.
Blinking red LED and the Ability Hand is not recognized in the PSYONIC Mobile App	Power issue	Verify the battery connection.
		Verify the orientation and integrity of the PWR cable.
Ability Hand not recognized in the Coapt Mobile App	Software communication error	Confirm that Coapt is selected in the PSYONIC Mobile App under Input System.
		If the condition persists, power off the system and fully close both the PSYONIC Mobile App and the Coapt Mobile App before restarting the system.
		Verify the orientation and integrity of the black and white Digital (Coapt Digital) cable.

NOTE — COAPT INPUT SYSTEM

If the Coapt 2-input O/C input system is selected, a red blinking LED upon power-up is normal. The LED will turn white once communication between the systems is established.

TERMS AND ABBREVIATIONS

BAT – PSYONIC Battery Pack port. The rechargeable power source used to operate the Ability Hand and associated components.

COM – Communication cable and/or port. Enables data transmission between the Ability Hand and input systems, power switches, and other prosthetic components.

Digital (Coapt Digital) – Digital cable and/or port. Used to establish digital communication between the Ability Hand and pattern recognition input systems, such as Coapt.

EQD – Electronic Quick Disconnect. A prosthetic wrist connector that allows quick attachment and removal of terminal devices—such as the Ability Hand—using an electrical interface. The EQD wrist provides both mechanical coupling and electrical connection, and enables 360 degrees of pronation and supination.

Hybrid Elbow – A prosthetic elbow system that combines both mechanical and electrical operation, allowing for manual positioning and powered movement.

O/C – Open/Close (as referenced in "Coapt 2-input O/C"). A myoelectric control setup that uses Coapt pattern recognition technology with two electromyographic (EMG) inputs configured for open and close control of the terminal device.

PWR – Power supply cable and/or port. Delivers electrical power from the battery or external power source to the Ability Hand.

Short Wrist – A low-profile wrist connection type intended for patients with more distal levels of amputation. This wrist connection is fabricated directly onto the socket and allows for 90 degrees of pronation and supination.

VIB – Vibration cable and motor and/or port. Intended to be placed between the flexible inner liner and outer socket to provide haptic feedback to the user during hand operation.

