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## ADK0021 Dev Kit User Guide

### Introduction

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Thank you for purchasing the HSS™ A0021 6 input Development kit from *AlSentis* L.L.C. This kit provides the means to evaluate, design, and troubleshoot with the A0021 IC from *AlSentis*. The Dev Kit can be used in conjunction with Touch Studio software or stand alone in your design as a first pass prototype.

### ADK0021 Development Kit Contents

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The ADK0021 Development kit consists of 2 components:

- 1 - A0021 Controller Board
- 2 - 6 button Evaluation Panel

**Controller Board**



**Evaluation Panel**

## A0021 Controller Board

The A0021 Controller Board consists of 3 main circuits:

1 - Power Supply

Input: +5, 9, 0r 12Vdc / 100 ma

DC Jack 2.1mm I.D. / 5.5mm O.D. Center terminal +Vdc

2 - Sensor IC

6 HSS™ Touch Sensor buttons

0.100" - 8 pin header connector to connect the evaluation panel or any other sensor board

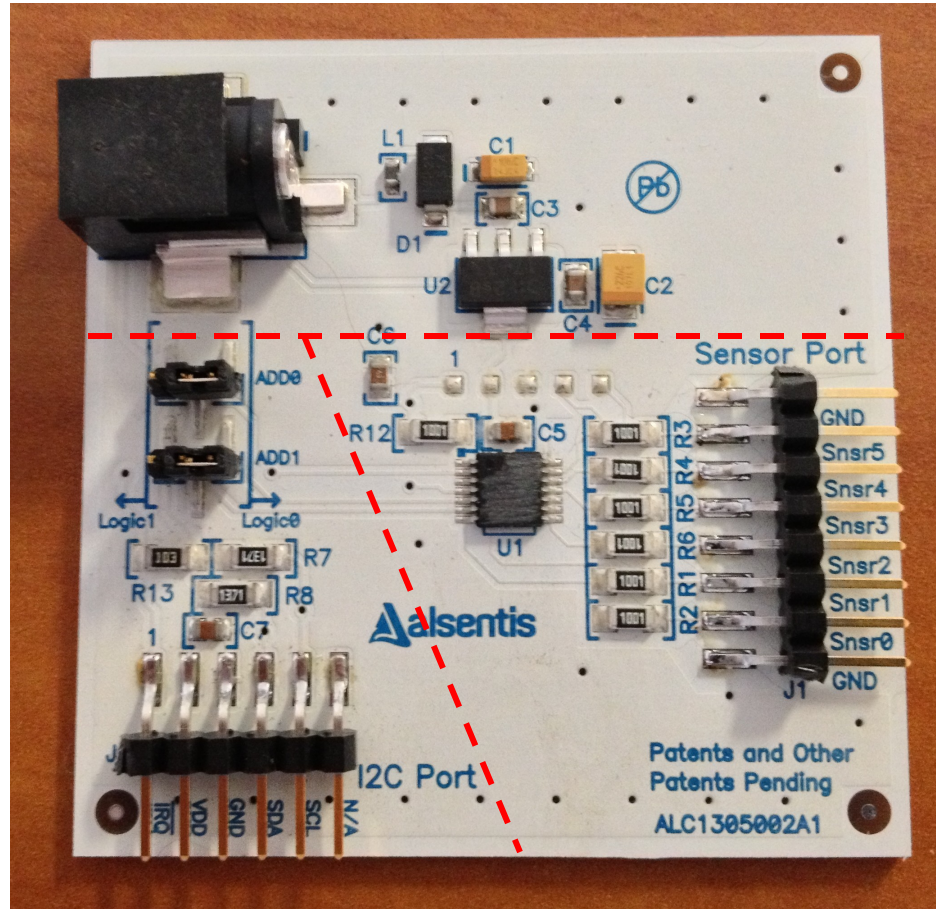
3 - Address and Communication

2 address jumpers for multi-chip I<sup>2</sup>C communication

0.100" - 6 pin header connector for the Alsentis USB to I<sup>2</sup>C bridge

Power Supply

Address and  
Communication



Sensor IC

## A0021 Evaluation Panel

The A0021 Evaluation Panel consists of 3 pieces:

- 1 - 2mm Plastic Substrate with Graphics
- 2 - 6 electrode Sensor PCB
- 3 - Connector

8 Pos. Sullins PPTC081LGBN-RC

|     |          |          |          |          |          |          |     |
|-----|----------|----------|----------|----------|----------|----------|-----|
| GND | Sensor 0 | Sensor 1 | Sensor 2 | Sensor 3 | Sensor 4 | Sensor 5 | GND |
|-----|----------|----------|----------|----------|----------|----------|-----|



