

SD Card Breakout Board

BRK-SD

A close-up, high-resolution image of a printed circuit board (PCB) is used as a background for the lower section of the cover. The image shows intricate copper-colored traces and pads on a dark substrate, with several circular vias visible. The lighting creates a sense of depth and highlights the fine details of the manufacturing process.

V2.0
User Manual

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Chapter 1: Introduction

1.1 What to Expect

The BRK-SD is a breakout board designed for interfacing standard Secure Digital (SD) Memory Card form factor devices (such as SD Memory Cards, SD Wireless cards, etc.).

A standard 0.1" pitch, 10-pin header can be soldered to J2, allowing developers access to the SDIO signals.

The breakout board also provides access to the connector shield via the mounting holes.

This User Manual introduces the BRK-SD and provides necessary details to setup, understand, and use the breakout board.

1.2 Ordering Information

Part Number	Description
BRK-SDv2.0	SD Card Breakout Board v2.0

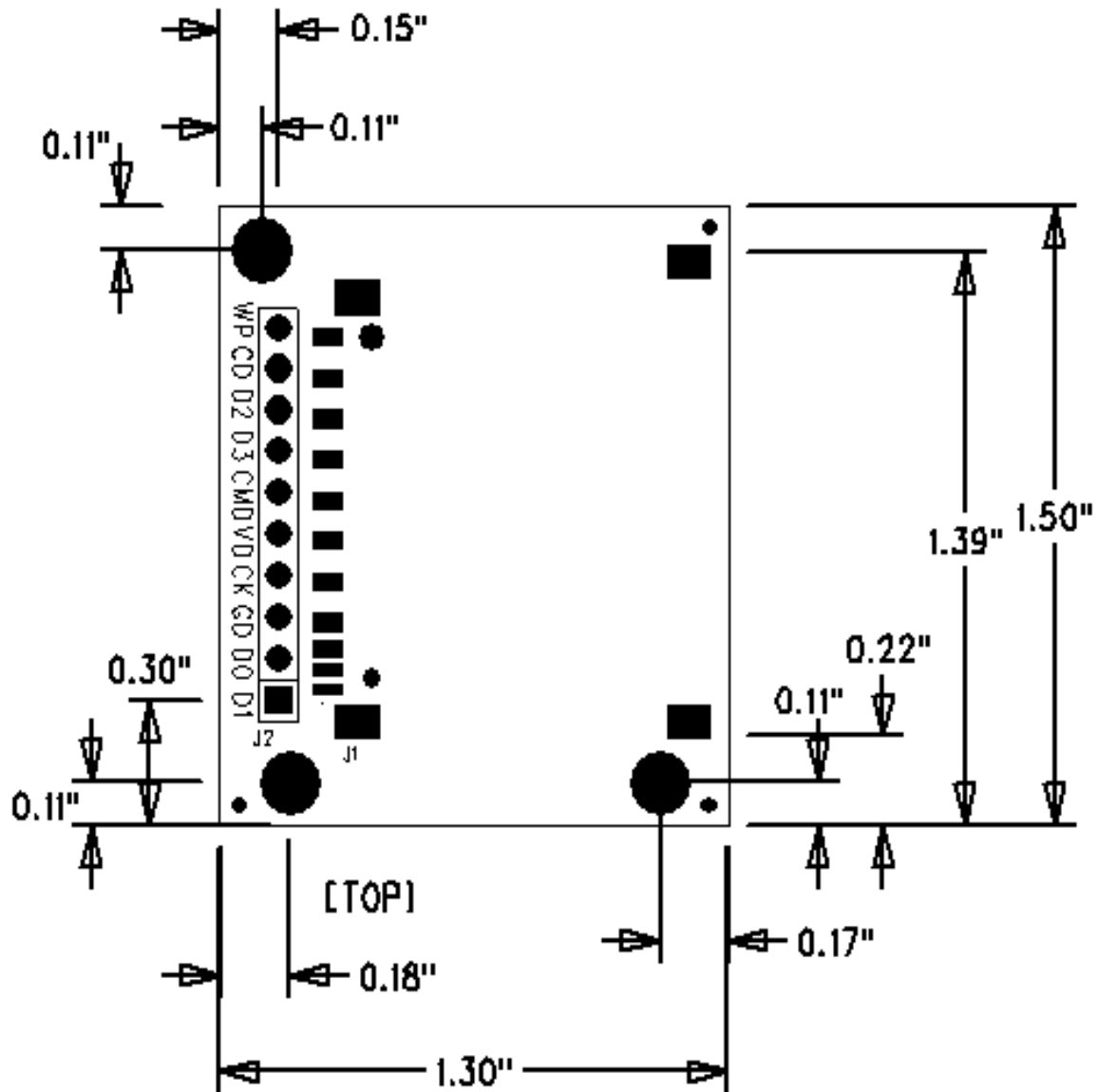
All models can be ordered in bulk in retail packaging. Please contact us if retail packaging is required.

Chapter 2: Getting Started

2.1 Unpacking

Please ensure that all necessary Electrostatic Discharge (ESD) precautions are taken before removing the product from its packaging. These may include touching a grounded object, using a grounded wrist strap, and using a grounded table mat to eliminate any stored static energy.

2.2 Device Diagram & Dimensions

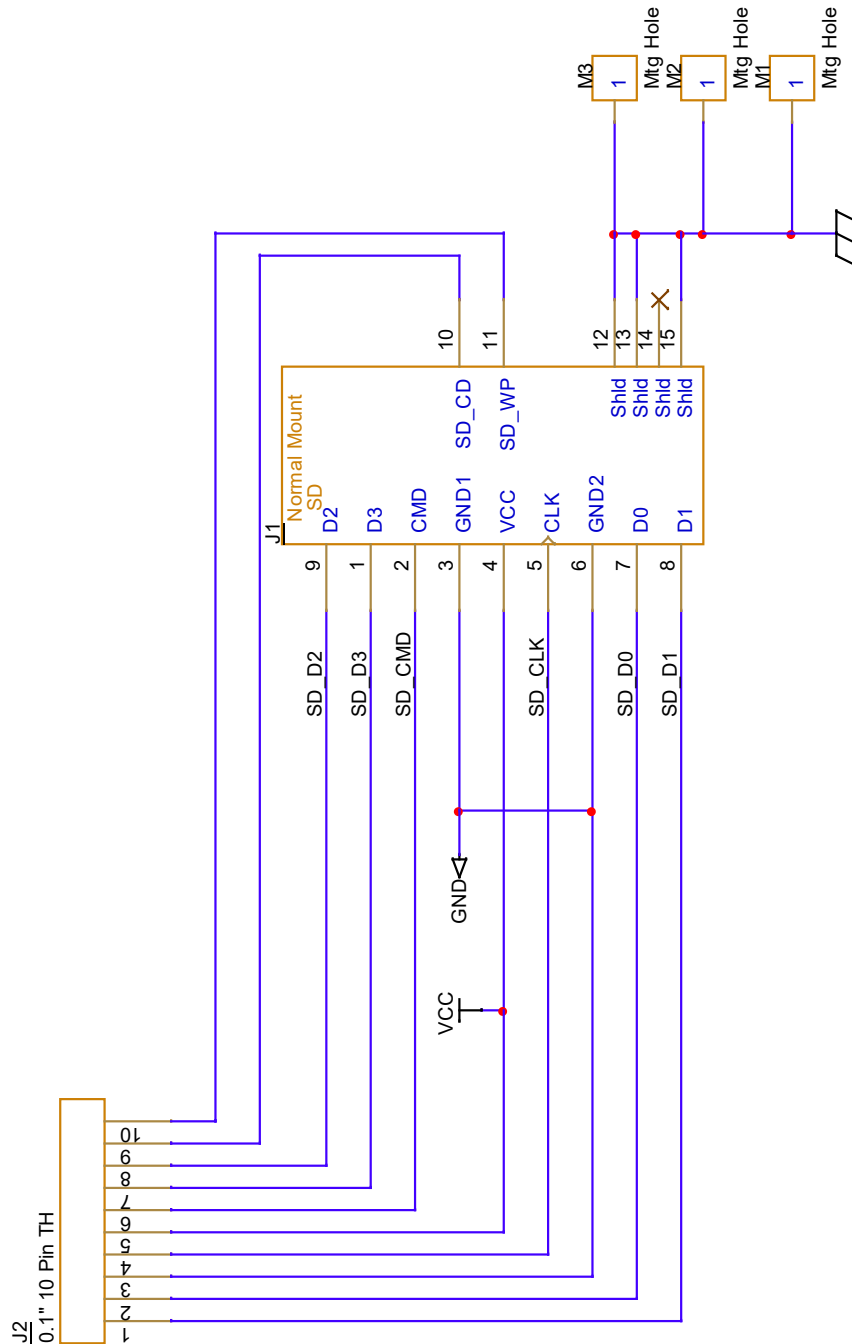


Indicator	Function
J1	HDMI Type A Female Receptacle connector
J2	0.1" I/O connector

3D Step models of products may be found online or by contacting support.

Chapter 3: Setup and Operation

3.1 Schematics



3.2 Mounting Holes

Two plated mounting holes for use with 4-40 screws and standoffs.

Chapter 4: Technical Support & Warranty

4.1 Technical Support

If you run into any trouble with your Saiko Systems Ltd. product, or need further assistance than is provided in this User Manual or other resources, rest assured that we are here to help!

The Saiko Systems Ltd. support network includes a Knowledge Base of known issues which is available to you 24-hours a day. If the information you are looking for isn't provided in the Knowledge Base, simply email our Technical Support Team and we will assist you to the best of our ability.

Name:

Saiko Systems Ltd. Support

Available from:

- <http://support.saikosystems.com>
- support@saikosystems.com

4.2 Limited Warranty

This product is covered under Saiko System's limited OEM Warranty. Please contact us in case of malfunction, or if your module requires repair.

All items require an RMA number before they can be returned to Saiko Systems for any reason.



Warning:

Unauthorized modifications or repair, soldering, drilling, painting, conformal coating, misuse, abuse, neglect, improper maintenance or storage, damage resulting from electrostatic discharge (ESD), removing or altering any identifying markings including Part Number and Serial Number will void the warranty.

Chapter 5: History

Date	Version	Action
2/15/2023	1.0	Original Released



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