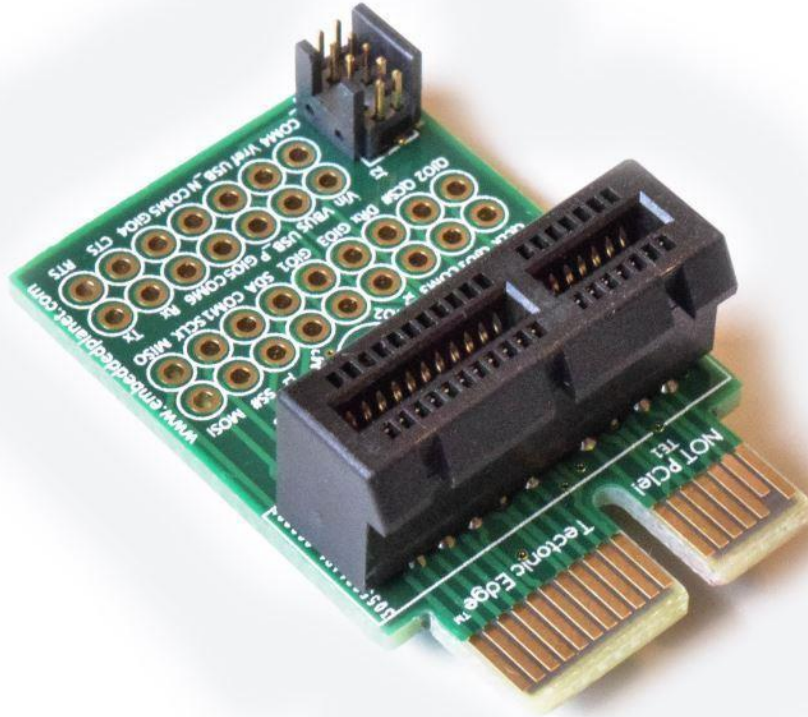


Tectonic Edge Overview



Introduction

Tectonic Edge is the name of Embedded Planet's custom connection ecosystem that accommodates both board-to-board connectivity and debug & programming functionality. This ecosystem provides many connection options through the use of various adapters, allowing the user to tap into key data and power lines of a product with a minimal footprint. The Tectonic Edge ecosystem uses a PCIe physical format, but is NOT pin compatible with actual PCIe devices. Never use actual PCIe devices in combination with Tectonic Edge devices.

Downloads

- [Tectonic Edge Through-Hole Adapter | Drawings Compilation](#)
- [Tectonic Edge Terminal Block Adapter | Drawings Compilation](#)
- [Tectonic Edge Right Angle Adapter \(feature of Flidor board\)| Dimensional Information](#)
- [Tectonic Edge Board Edge Fingers | Drawing Information](#)
- [Tectonic Edge Adapter Mounting Example | Drawing Information \(Flidor used as example with right angle adapter\)](#)

Supported Boards

Below is a list of products from Embedded Planet that support the Tectonic Edge ecosystem

Atlas

- [Atlas | Docs Page](#)
- [Atlas | Shop Page](#)
- [Atlas \(kit\) | Shop Page](#)

Agora

- [Agora | Product Page](#)
- [Agora | Docs Page](#)
- [Agora | Shop Page](#)
- [Agora + Flidor \(kit\) | Shop Page](#)

Tectonic Edge Accessories

- [Tectonic Edge Right Angle Adapter \(feature of Flidor board\)| Shop Page](#)
- [Tectonic Edge Through-Hole Adapter | Shop Page](#)
- [Tectonic Edge Terminal Block Adapter | Shop Page](#)

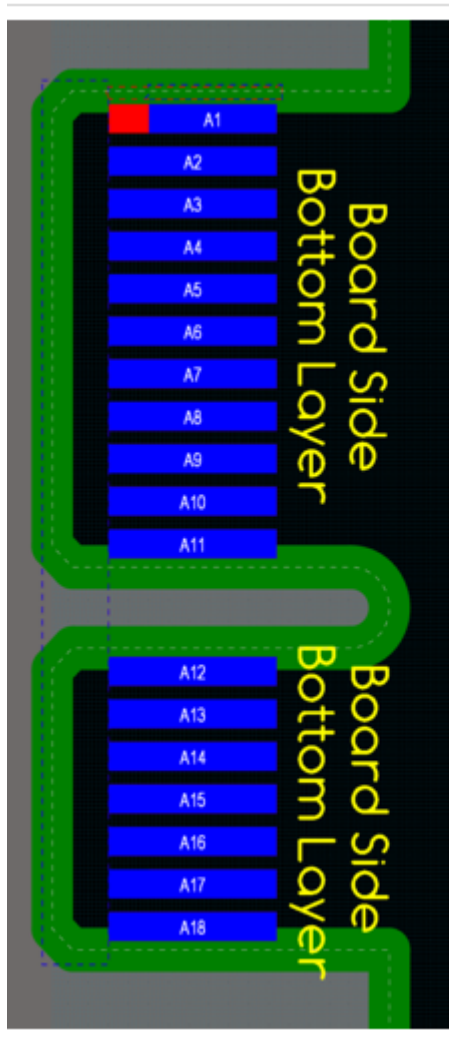
Generalized Pinout

Top:



Pin	General Purpose	Direction
B1	SPI: MISO	Input
B2	SPI: MOSI	Output
B3	SPI: SCLK	Output
B4	SPI: SS#	Output
B5	COM	N/A
B6	I2C: SCL	Bidirectional
B7	I2C: SDA	Bidirectional
B8	COM	N/A
B9	CELL_ON_OFF	Output
B10	SENSOR_PWR_EN	Output
B11	I2S_SD	Output
B12	DEBUG_TX	Output
B13	DEBUG_RX	Input
B14	COM	N/A
B15	QSPL_CS#	Input
B16	QSPL_IO1	Bidirectional
B17	QSPL_IO0	Bidirectional
B18	QSPL_CLK	Input

Bottom:



Pin		Direction
A1	CELL_TX	Output
A2	CELL_RTS	Output
A3	CELL_RX	Input
A4	CELL_CTS	Input
A5	COM	N/A
A6	I2S_WS	Input
A7	I2S_SCK	Input
A8	COM	N/A
A9	BT840_USB_P	Bidirectional
A10	BT840_USB_N	Bidirectional
A11	BT840_VBUS	Input
A12	VCC_33	Output (limited current)
A13	VBAT	Input
A14	COM	N/A
A15	BT840_SWDIO	Bidirectional
A16	BT840_SWDCLK	Bidirectional
A17	BT840_RESET#	Input
A18	BT840_SWO	Bidirectional

Customer Support

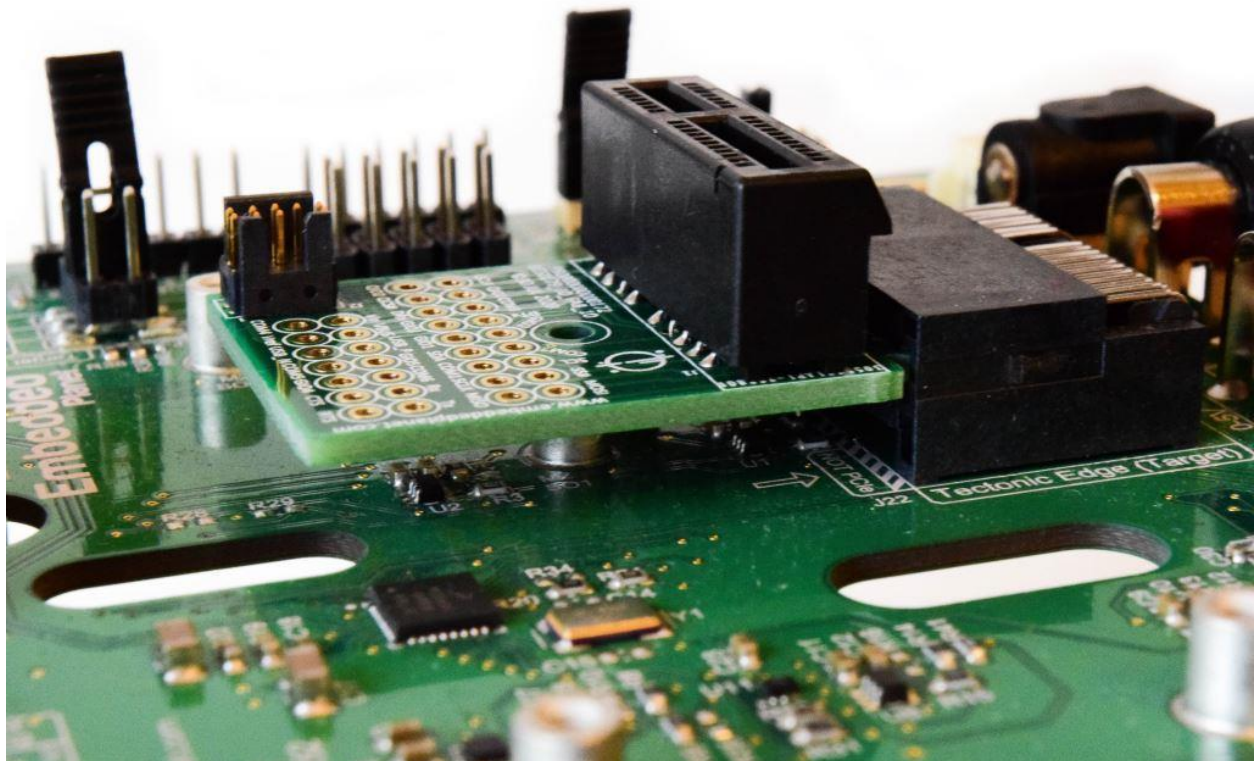
Embedded Planet provides complete support for our product line. Embedded Planet technical support includes product assistance for EP firmware and hardware. Technical support can assist with setup, installation, configuration, documentation, product related questions, and expansion guidelines.

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