

M.2 to USB Type-C Adapter

For ANavS M.2 Product Family

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Advanced Navigation Solutions

Application

The ANavS M.2 to USB Type-C Adapter provides a convenient way to use the ANavS M.2 family of products with any USB 2.0 capable system. The flexibility and ease of use make the ANavS M.2 to USB Type-C Adapter ideal for evaluation, prototyping, and serial production applications.

ANavS M.2 to USB Type-C Adapter is compatible with ANavS M.2 cards, as well as many 3rd party M.2 Key-E that use the USB 2.0 interface. The adapter fits 30* and 40mm long M.2 cards

Space is available for a header to be soldered onto the Adapter to provide easy access to UART pin as well as Reset, Wake, 3.3V and 5V. When ANavS modules are installed Time pulse In and Out are available on the UART RTS and CTS Pins respectively.

Features

- USB 2.0
- UART
- Time Pulse In and Out



Related Products

ANavS M.2 MOSAIC GNSS Modules

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ANavS M.2 U-blox GNSS Modules

70.40.0.71.0.0



ANavS M.2 IMU Adapter

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* Using 30mm long M.2 cards requires installation of thread Spacer on pad MP2 marked on the PCB

M.2 to USB Type-C Adapter

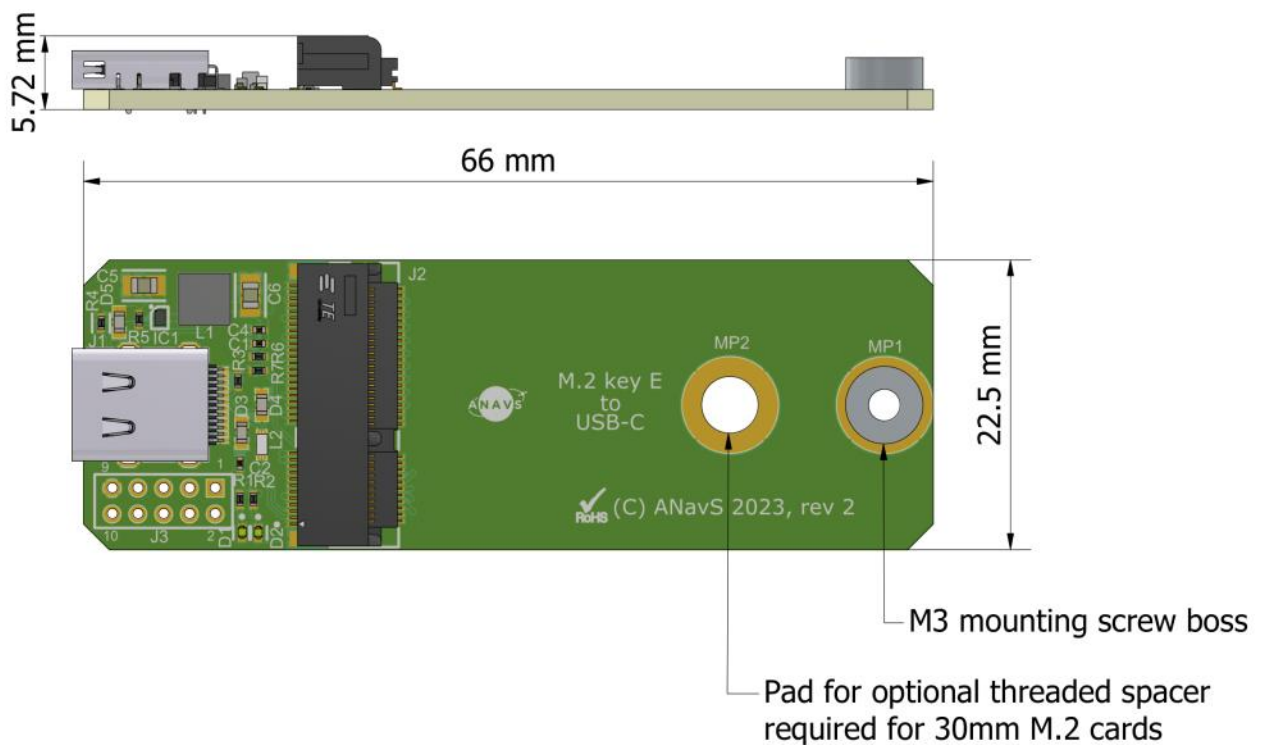
Technical Specifications

Header Pin Out

On the Adapter there are provisions made for installation for a vertical socket header with 2mm Pitch, 10 Pins and 2 Rows. This header makes accessible the UART pins as defined by the M.2 Key-2 standard. When using ANavS M.2 GNSS or IMU cards, two of these pins are dedicated to Time Pulse In and Time Pulse Out.

Pin	Definition	Logic Level
1	Wake	1.8V
2	UART TX	1.8V
3	Reset	1.8V
4	UART RX	1.8V
5	3.3V	-
6	Time Pulse In / UART RTS	1.8V
7	5V	-
8	Time Pulse Out / UART CTS	1.8V
9	GND	-
10	UART Wake	3.3V

Technical Drawing



Recommended threaded spacer: Würth PN 977 402 536 0