UxV/35 Interop Set Usage

The UxV/35 bus has a defined set of signals for usage on various Uncrewed Vehicles in different domains – Land, Surface and Air.
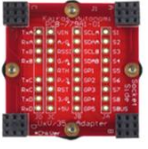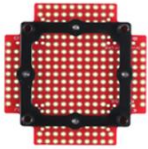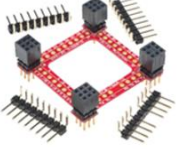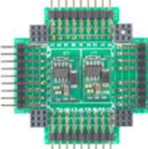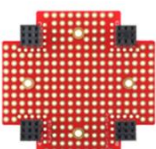
These signals are common among other 3rd party flight stacks and components as well. In most cases it is a matter of connecting wires between the UxV/35 stack or component and the 3rd part component signals.

These boards ease that integration with a suite of interoperability boards that address common needs such as identified signals, physical mounting, etc.

UxV/35 System Interoperability among 3rd party boards and modules is made efficient and reproducible using the KA1050-01 UxV/35 Interoperability Board Set.

Kairos82nd

**KA1050-01
1 Set
UxV/35 Interoperability Boards**

KA1022-01
Male to 30.5 mm

KA1023-01
Female to 30.5 mm

KA1024-01
Prototype 30.5 mm

KA1025-01
Small Wired Module

KA1026-011
Base Breakout
Servo Wire

KA1027-01
Prototype

UxV/35
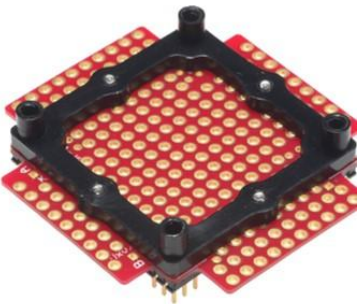
The Prototype 30.5mm board has UxV/35 male pins on one side and the 30.5mm square mounting holes found common on other UAV flight stack systems.

All UxV/35 pins are brought to the interface area to ease the creation of custom circuitry adapting to 3rd party flight components.
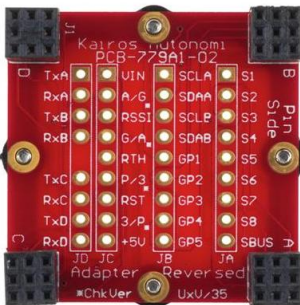
This Interop board has female UxV/35 pins on one side and the 30.5mm square mounting standard on the other. All UxV/35 pins are brought out for connection to 3rd party flight stack components.

There are versions of this board with JST-GH series connectors and other fine pitch connectors commonly found on 3rd party flight components.

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This Interop board has male UxV/35 pins on one side and the 30.5mm square mounting standard on the other. All UxV/35 pins are brought out for connection to 3rd party flight stack components.

There are versions of this board with JST-GH series connectors and other fine pitch connectors commonly found on 3rd party flight components.

Many 3rd party flight components are small boards with flying lead wires. These can be interfaced directly to the UxV/35 bus and placed on this carrier.

Additionally, connectors are provided and can be installed as needed.

This is a full UxV/35 prototyping board. All of the UxV/35 pins are brought into the prototype area.

This board can be used to create a prototype of a UxV/35 board that does not exist for testing with an actual UxV/35 stack.

This base board brings out all UxV/35 bus signals in the common 3 pin, .100 inch, servo signal format that is used for servo and serial signals.

Pin 1 is signal, 2 is 5v and 3 is ground. This board allows the interface of a fully UxV/35 stack into almost any type of UxV platform.

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