

PropBus system.

The full kit contains the following PCB panels (small sub assemblies)

- 1 off PropBus motherboard
- 3 off Combination in and output boards with indicator + dipswitches
- 1 off Vero board with ribbon connector + other connectors to be able to connected to mother board neatly
- 4 off Ribbon cable to solderless breadboard adapter PCB's with components
- 1 off Serial port connector to solderless breadboard dip adapter
- 1 off SMD component 8 SOIC adapter PCB for surface mounts components (allows mounting to solderless breadboard with header pins)

The PropBus mother board contains 3 ribbon cable connectors for quick connection to the 3 input/output cards. So 24 digital in and outputs can be tested without any wiring just plug the modules in as required and start testing and writing code..

Alternatively the PropBus motherboard can be connected with the use of the 4 ribbon cable adapters to a set up so may already have on a solderless breadboard.

The mother board contains 3 connectors for externally powering up devices via 2 off 2 way connectors that provide 3.3VDC and also 5VDVC.

The 6 way connector has also the I2C signals in it so external I2C devices can be connected very easily. I2C devices with INT signals in them connect this signal to P0 on the Propeller also via this 6 way connector.

This 6 way connector could for example be used to an external pcb that holds external eeproms larger than the std 24LC256 (32K)

A std 24LC256 dip is provided and is mounted underneath the Dip Propeller chip also the 5MHZ crystal fitted with a Mylar washer underneath it also resides there.

The PropBus motherboard has a composite video signal out as well so you can connect to external monitors that have RCA connectors on them.. and start coding your own video games..

A small vero board is also supplied for those custom circuits and experimentation.
The ribbon that connects to the PropBus motherboard is there also.

As std we supply a 9VDC supply with it for Australian customers.

This small Power module plugs into a std powerpoint and we have also developed a small pcb that converts the 2.1MM plug to screw terminal we also provide this with the system. Many of our existing Basic Stamp customers that do already have a Plugpack with this 2.1MM centre positive pin can ask for these 2 parts to be removed from the std kit.

Also we supply the Parallax Propeller Plug which connects to the PropBus Motherbaord. Software is downloadable from the www.parallax.com website.

So when you get this full kit nothing is else is needed to get going with this amazing Propeller Chip.. start flashing leds.. develop your own games .. control the world...get your teeth into both Spin and the Assembly language .. unleash the power of 8 CPU's .. the "POWER OF EIGHT" .. true simultaneous tasking...

If your in Europe check out - www.igniteautomation.com John Twomey has a website and offers some further info and services there as well.

Cheers

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