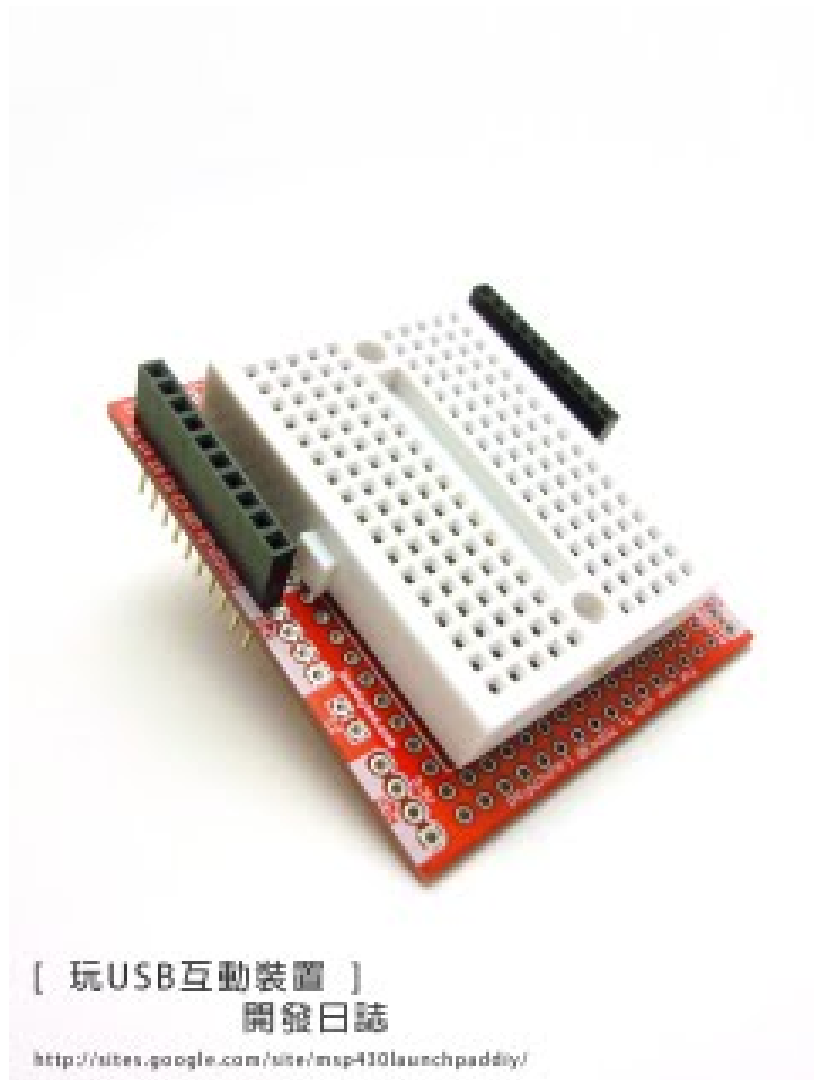


[OST - MSP430 launchpad]

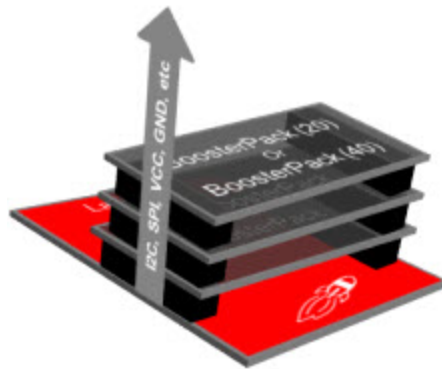


Prototype booster pack user guide

1.feature

Prototype Booster Pack is a prototype extension kit that works with Texas Instruments MSP-EXP430G2 LaunchPad. One compact size breadboard to soldering free and one pcb prototype board enhance the ability to access MSP430G2 microprocessor for all input / output pin to another device. make it into a stack circuit without physical space limitation. Here is the hardware feature description as following:

- **compact size** - MSP430 LaunchPad communicate with the prototype board with compact size pcb ,if you stack up this kit by several layer, so it is no limitation for physical space.



- **power supply** - support Vcc input connector for the extension board.
- **pinout standard** - it is standard spec as 2.54mm pin distance that able to implement any DIP parts application.
- **LED indicator status**- included 2 extra LED reservation on extension board.

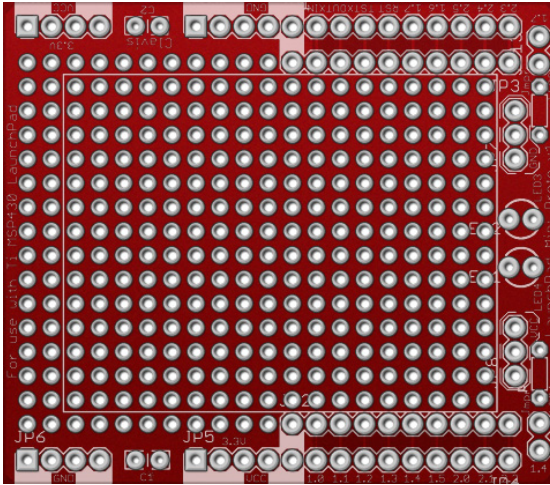
2.assembly procedure

- 1.check pcb board contain with two layer, the top side have "usb rocket" logo. solder DC jack connector power plug, on three-pins position.
- 2.solder 10PIN female connector on two side of the pcb board.
- 3.please note that two side pinout have direction, please check the reference picture.

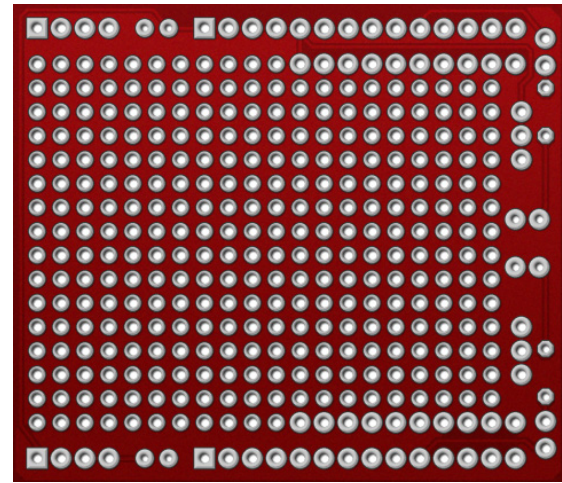
table1 connector pinout

MSP430-EXP430G2						
Header Pin Numbers	Mini-Prototype Booster Pack	MSP430 G2553 Name		MSP430 G2553 Name	Mini-Prototype Booster Pack	Header Pin Numbers
1	VCC	VCC		GND	GND	20
2	P1.0 (LED1)	P1.0 (LED1)		XIN	XIN	19
3	P1.1 (UART)	P1.1 (UART)		XOUT	XOUT	18
4	P1.2 (UART)	P1.2 (UART)		TEST	TEST	17
5	P1.3 (S2)	P1.3 (S2)		RST (S1)	RST (S1)	16
6	P1.4	P1.4		P1.7	P1.7	15
7	P1.5	P1.5		P1.6 (LED2)	P1.6 (LED2)	14
8	P2.0	P2.0		P2.5	P2.5	13
9	P2.1	P2.1		P2.4	P2.4	12
10	P2.2	P2.2		P2.3	P2.3	11
Header Pin Numbers	Mini-Prototype Booster Pack	MSP430 G2553 Name		MSP430 G2553 Name	Mini-Prototype Booster Pack	Header Pin Numbers

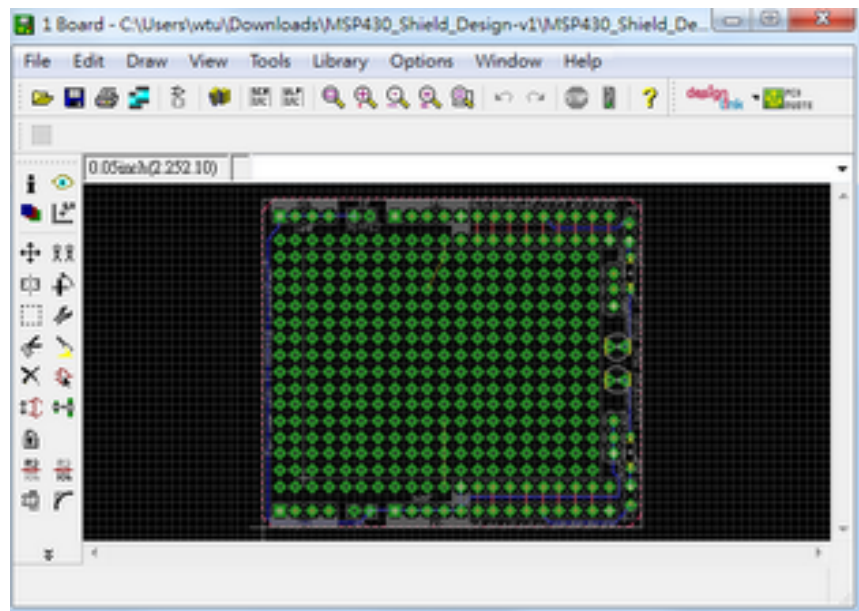
2. pcb board design



top side pcb



bottom side pcb



8.more information

if something else you want to ask discussion group and technical support.

<http://sites.google.com/site/msp430launchpaddiy/>

<http://sites.google.com/site/msp430launchpaddiy/home/tao-lun-qu>