Pocketcube Mechanical Interface

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* unless otherwise specified all measurements are to "The PocketQube Standard" [Issue 1, 7th of June, 2018], PQ9 and CS14 standard.
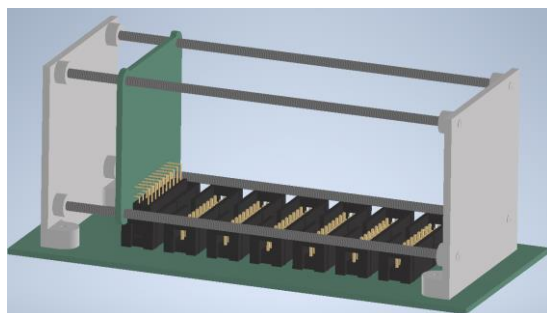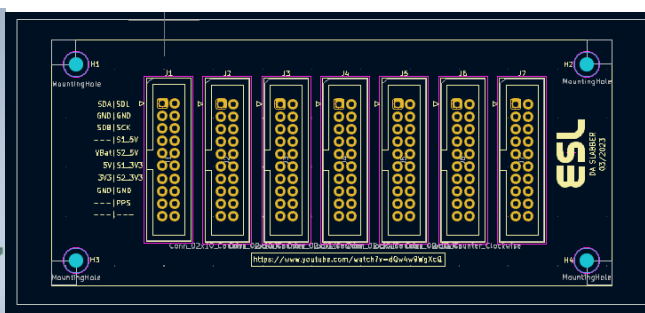

Figure 1- pocketcube structure

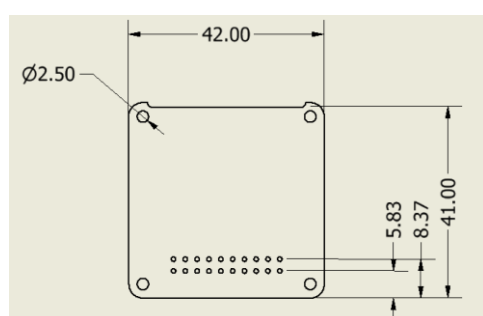*Figure 2- pocketcube bus layout*

Physical Envelope

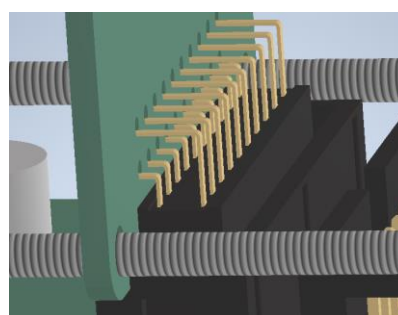*Figure 3-dimensions of the slot*

Figure 4-90-degree pins

Please take care to not place components such that it will obstruct the 90-degree bus pins as well as the nuts that will be hold the slot in place around the four mounting holes. Components may project up to 8mm away from the board and still slot in with another board directly next to it.

Electrical Connection

Each slot is has twenty pins connected a bus in the main plate. Pin 1 is located top right on figure 3, pin 11 bottom right and so on. The suggested pinout on the bus is as follows:

1	SDA	SDL	11
2	Ground	Ground	12
3	SDB	System Clock	13
4	User defined	5V Switch 1	14
5	Power source	5V Switch 2	15
6	5V line	3.3V Switch 1	16
7	3.3 line	3.3V Switch 2	17
8	Ground	Ground	18
9	User defined	PPS	19
10	User defined	User defined	20