PPEB260 pin-out Board

Clean Light portfolio – PPEB260 – Application Note

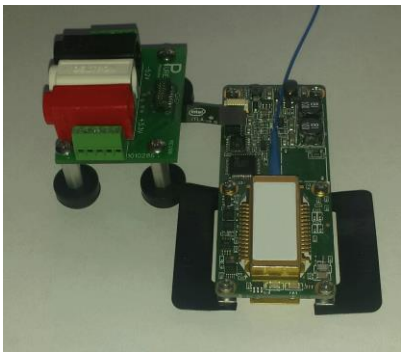
The PPEB260 pin-out board is a convenient interface solution to the PPCL100, PPCL200 and PPCL300 product families. It provides a pin-out of the SAMTEC connector to the power supplies and all the individual digital lines. With its configuration it can be placed next to the ITLA and provide a convenient connection.

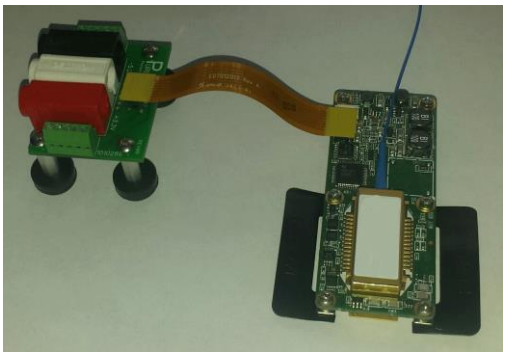
PPEB260

The PPEB260 is a small PCB on stand-offs that can be connected to an ITLA. It transforms the inputs from the Samtec connector to banana plugs and wire terminals to provide a more convenient interface. In addition, as it is a stand-alone board, it can be placed at a convenient location next to the module.

The product has two connectors. At the bottom of the board is a connector to plug the standard flex cable that comes with PPCL100 and PPCL200 (left side picture). In this configuration the board can conveniently stand close to the board. Make sure that the logo on the green flex cable is pointing upwards.

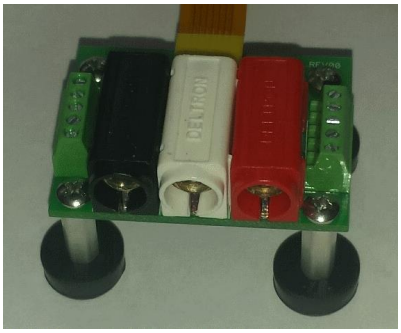
On the top of the board is a 2nd connector that connects to the longer yellow flex-cable. This allows connection to PPCL100, PPCL200 and PPCL300 without the green connector. It also allows placement of the board at a more flexible location.



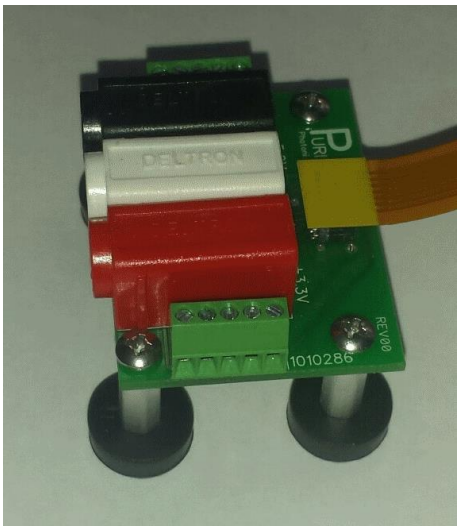


Connections

The bananaplugs are the inputs for the power supplies. Both a +3.3V and -5.2V supply must be present for the ITLA to work. The Red (right) bananaplug is +3.3V, the White (middle) bananaplug is Ground and the Black (left) bananaplug is -5.2V. Text next to the connectors indicate these voltage values. For protection of the circuitry on the ITLA it is absolutely critical to apply the right voltages and to avoid over-voltage situations.



The terminal block on the right has the following connections (from left to right): RS232 Rx, RS232 Tx, -5.2V, GND, +3.3V. This information is also shown at the bottom side of he PCB.



The terminal block on the left has the following connections (left to right): TxTrace, RST, MS, SRQ, DIS. This information is also shown at the bottom side of he PCB.