4 INAs board

Alberto Battistel 24 February 2017

This board contains is made to allocate 4 INAs and 4 variable voltage dividers. INA 1 and 3 have two screw terminals for every inputs. INA 2 and 4 have only one screw terminal for input.

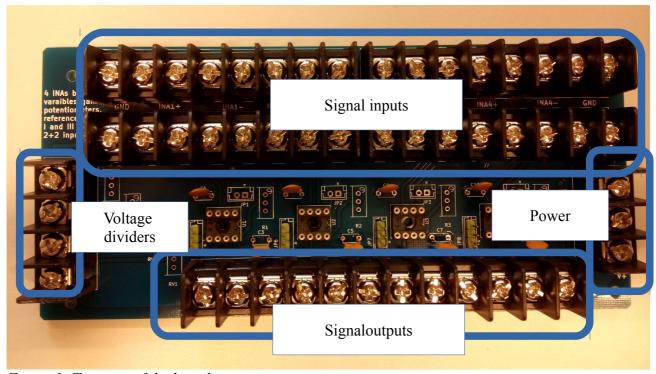


Figure 1: Top view of the board.

Note that there are some errors on the labels of the inputs. The backside (Figure 2) has the right labels.

The double terminal row on the signal inputs can be used for filtering and summing.

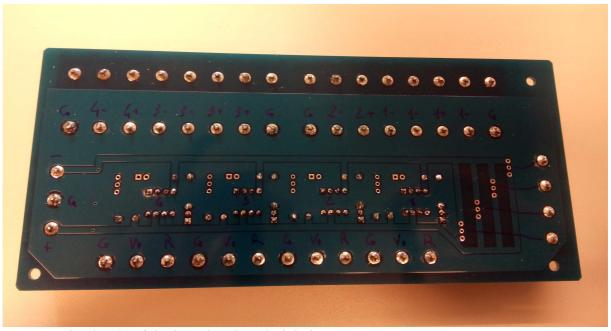


Figure 2: back side of the board with right labels

Label	Description
G	Ground
R	External reference potential
Vo	INA output
+	Positive rail
_	Negative rail
n+	Positive input INA n
n-	Negative input INA n
Table 1: labels on the board.	

On the board is possible to change the gain factor through a variable resistance and select if the INA works against ground or against a provided reference voltage.

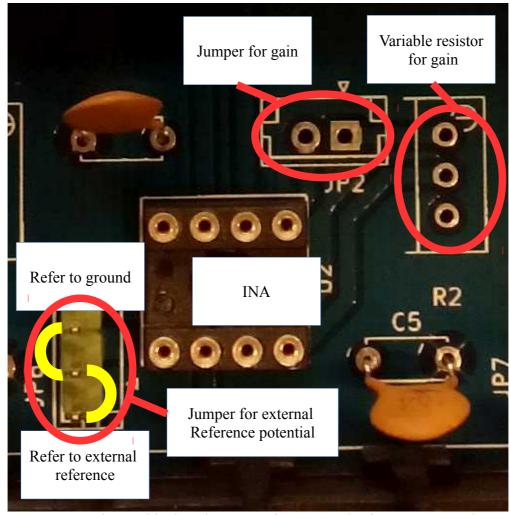


Figure 3: single INA block with jumpers for gain and reference potential.

