

3.2.2. Part List

Item	Description/ Protel Project	Units
1	10 way caged screw contacts 2.54mm pin space	1
2	Resistance 1 Ohm 1W	1
3	Resistance 33 Ohm 1W	8
4	Resistance 470 Ohm (1)	8
5	Resistance 1K Ohm	16
6	Resistance 10K Ohm	16
7	LM741 Op. Amp DIP 8 Package	16
8	Yellow 3 mm LED	8
9	DIP8 socket	8
10	Transistor BC337 TO92 package	16
11	Photodiode SFH 484	16
12	Sweet Spot connector	8
13	2.5mm screw	8
14	2.5mm nut	16
15	25 mm separator	16
16	Printed card	1

(1) If tolerance and power have not been wrote, means 10% and 0.25 W. resistances

3.3. ADC Input Buffer Card

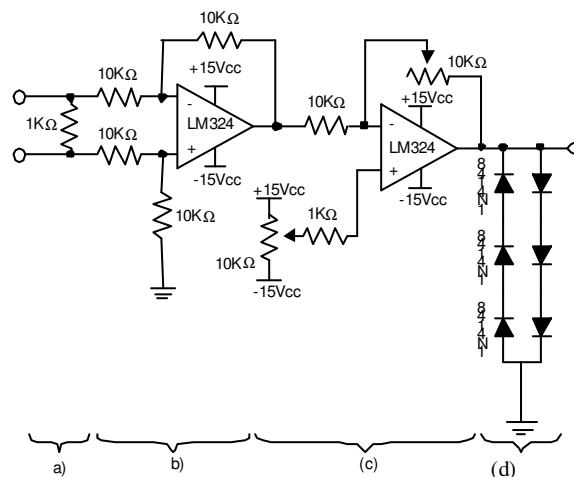


Figure 9, individual current to voltage interface (a) conversion current voltage, (b) differential amplifier, (c) amplifier and (d) voltage clipper.