

# Core board parts

Here are suggested part numbers for various distributors for parts for the core board. If you find another site or dealer with a different parts list feel free add it into the list. Also if you've successfully used a different part from what was listed here please add the number and/or link to the list.

| Description                                | polarity | Soldering Temp | QTY | Reichelt Part# <sup>1)</sup> | Mouser Part#                       |
|--------------------------------------------|----------|----------------|-----|------------------------------|------------------------------------|
| <b>PIC18F452-I/P</b>                       | Yes      | Don't!!!       | 1   | PIC 18F452-I/P               | <a href="#">579-PIC18F452-I/P</a>  |
| <b>Crystal 10 MHz</b>                      | No       | ???            | 1   | 10-HC18                      | <a href="#">73-XT49S1000-20</a>    |
| <b>Voltage Regulator 7805</b>              | Yes      | ???            | 1   | uA 7805                      | <a href="#">512-LM7805CT</a>       |
| <b>IC-Socket for PIC</b>                   | Yes      | ???            | 1   | GS 40P                       | <a href="#">571-3902625</a>        |
| <b>Optocoupler 6N138</b>                   | Yes      | Don't!!!       | 1   | 6N 138                       | <a href="#">782-6N138</a>          |
| <b>IC-Socket for Optocoupler</b>           | Yes      | ???            | 1   | GS 8P                        | <a href="#">571-3902612</a>        |
| <b>Transistor BC337</b>                    | Yes      | ???            | 1   | BC 337-16                    | <a href="#">512-BC337TF</a>        |
| <b>Resistor 10 kOhm</b>                    | No       | ???            | 3   | 1/4W 10k                     | <a href="#">291-10K-RC</a>         |
| <b>Resistor 5.6 kOhm</b>                   | No       | ???            | 1   | 1/4W 5.6k                    | <a href="#">291-5.6K-RC</a>        |
| <b>Resistor 1.2 kOhm</b>                   | No       | ???            | 1   | 1/4W 1.2k                    | <a href="#">291-1.2K-RC</a>        |
| <b>Resistor 1 kOhm</b>                     | No       | ???            | 3   | 1/4W 1k                      | <a href="#">291-1K-RC</a>          |
| <b>Resistor 220 Ohm</b>                    | No       | ???            | 3   | 1/4W 220                     | <a href="#">291-220-RC</a>         |
| <b>Resistor 100 Ohm</b>                    | No       | ???            | 1   | 1/4W 100                     | <a href="#">291-100-RC</a>         |
| <b>Ceramic Cap 100 nF</b>                  | No       | ???            | 3   | Z5U-2,5 100n                 | <a href="#">80-C412C104K5R</a>     |
| <b>Ceramic Cap 330 nF</b>                  | No       | ???            | 1   | MKS-2 330n                   | <a href="#">80-C320C334M5U</a>     |
| <b>Ceramic Cap 33 pF</b>                   | No       | ???            | 2   | Kerko 33p                    | <a href="#">140-50N2-330J</a>      |
| <b>Polarised Capacitor 10 uF</b>           | Yes      | ???            | 1   | rad 10/35                    | <a href="#">140-HTRL25V10-RC</a>   |
| <b>Polarised Capacitor 2200 uF</b>         | Yes      | ???            | 1   | rad 2200/16                  | <a href="#">140-HTRL16V2200-RC</a> |
| <b>Diode 1N4148</b>                        | Yes      | ???            | 1   | 1N 4148                      | <a href="#">78-1N4148</a>          |
| <b>Rectifier</b>                           | Yes      | ???            | 1   | B80C800RUND                  | <a href="#">625-W08G</a>           |
| <b>TrimmPot 10 k</b>                       | Yes      | ???            | 2   | PIHER 10-S 10K               | <a href="#">531-PT6KV-10K</a>      |
| <b>MIDI Sockets</b>                        | Yes      | ???            | 2   | MAB 5S                       | <a href="#">161-0505</a>           |
| <b>1-row SIL Headers (about 30 pins)</b>   | No       | ???            | 1   | STIFTL. 40G                  | <a href="#">517-6111TG</a>         |
| <b>1-row sil female 36 con</b>             | No       | ???            | 1   | -                            | <a href="#">517-850-01-36</a>      |
| <b>2-row SIL Headers (about 2*22 pins)</b> | No       | ???            | 1   | STIFTL. 2X40G                | <a href="#">517-6221TG</a>         |
| <b>2-row sil female 25 rows</b>            | No       | ???            | 1   | -                            | <a href="#">517-852-01-25</a>      |
| <b>Ribbon cable 3 meters</b>               | No       | ???            | 3   | AWG 28-16G                   | -                                  |
| <b>Wall adapter (Power supply) 500 mA</b>  | -        | ???            | 1   | MW 17-GS/6                   | -                                  |
| <b>Socket for Power Supply</b>             | -        | ???            | 1   | HEBLM 21                     | -                                  |

<sup>1)</sup>

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