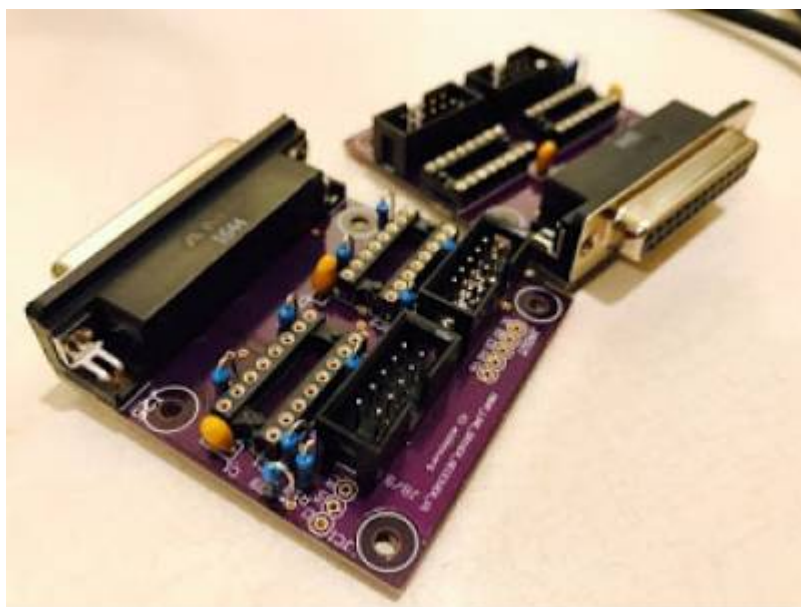


# LINE DRIVER Boards parts list



The line driver modules have been designed to connect SPI devices and serial shift registers (DINs/DOUTs) to a MIDIbox over long distances.

- [Official uCApps Page](#)
- [Transmitter Schematic](#)
- [Receiver Schematic](#)

## Parts List

| Description            | Type                          | Quantity | Reichelt Ref     | Mouser Ref           | Digikey Ref |
|------------------------|-------------------------------|----------|------------------|----------------------|-------------|
| MC3486                 | RS-422 Interface IC Quad Line | 2        | MC 3486 DIL      | 595-MC3486N          |             |
| MC3487                 | RS-422 Interface IC Quad Line | 2        | MC 3487 DIL      | 595-MC3487N          |             |
| IC socket              | 16 pin                        | 4        | GS 16            | 575-199316           |             |
| Ceramic Cap            | 100 nF (.1uF)                 | 4        | Z5U-2,5 100n     |                      |             |
| Resistor               | 100 Ohm                       | 12       | 1/4W 110         | 603-MFR-25FBF52-100R |             |
| D-sub female connector | 25 pin                        | 2        | D-SUB BU 25US    | 571-1734350-1        |             |
| 2x5 DIL Headers        | 10 pin                        | 4        | WSL 10G          |                      |             |
| 2x5 DIL Sockets        | 10 pin                        | 4        | PFL 10           |                      |             |
| 1-row SIL Headers      | (only 13 pins required)       | 1        |                  | 855-M20-9994045      |             |
| Jumper                 | 10 pin                        | 4        | JUMPER 2,54GL RT |                      |             |

Mouser Parts Cart:

<https://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=e7d04d9577>

# Datasheets

- [PIC16F88-I/P](#)

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