

## This ULU

The *ULU.41 Data Y-splitter* is a simple ULU that splits the databus into two branches. After specifying and building this ULU, I finally found a Y-splitter cable for sale that was able to who duplicate all four lines (see *ULU.00 Common specifications*). This cable makes this ULU obsolete.

## Used parts

Only standard parts are used:

1x casing 50 x 25 x 25mm;

3x 4-bit data connector;

3x colored O-ring 8 x 5 x 1.5mm;

## Construction

The standard ULU specifications are applicable as specified in the datasheet *ULU.00 – Common specifications*. It is a very simple circuit: all the corresponding pins of the three connectors are interconnected as shown in Figure 2. For three of the pins bare wire is used, because the soldering is very easy. Only the pins 2 are soldered with insulated wire

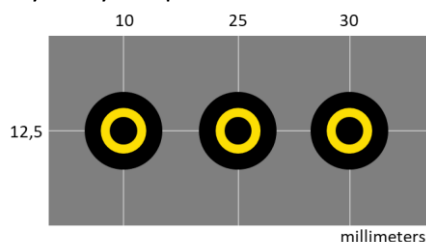


Figure 1 – Drill guide

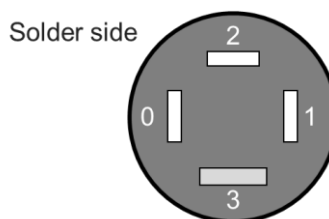


Figure 2 – Data bus connector pinout



Figure 3 – ULU inside



Figure 4 – Finished ULU

## Usage

This ULU can be used to split a data bus or to place a led or 7-segment readout on a data line.

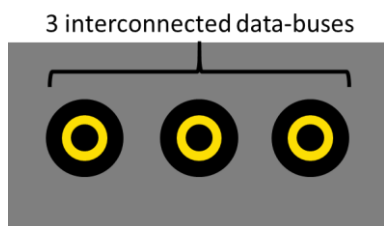


Figure 5 – Controls and connectors