Description

Based on the Silab CP2102 USB bridge, the STEVAL-PCC018V1 is a USB to UART board that allows the integration of a USB connector with a general-purpose board which has a UART interface available.

Features

- USB and UART interfaces
- Powered via USB
- Integrated USB-to-serial bridge
- Integrated voltage converter
- Integrated power LED
- Dimensions: 17 mm x 42 mm
- RoHS compliant
1 Block diagram, schematic and main components

Figure 1. STEVAL-PCC018V1 circuit schematic
Figure 2. Block diagram

5V
USB Connector
D+
D-
USB Filter
CP2102
Voltage Regulator VR2
Power LED
JP1
TX
RX
RTS
CTS
D+
D-
GSPG17122013Di1130

Figure 3. Main components

UART Strip
Power LED
JP1: Supply
USB Connector
TOP
JP3: RTS
JP2: TXD
CP2102 UART to USB Bridge
USB Filter
BOTTOM
UART Strip
Voltage Regulator
2 Revision history

Table 1. Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>06-Feb-2014</td>
<td>1</td>
<td>Initial release.</td>
</tr>
</tbody>
</table>