More Informations on Github:
https://github.com/ArrowElectronics/hd96
USB Device + Power Supply Connector (Micro USB)

Routing USB to MPU

Max trace length interconnect between USB signals pairs should be no greater than 3.8mm
50 ohm differential trace impedance

Add trace close to PD20

Power Down

To keep Fuse emulation during Power Down, Supply VDDBU external with 3V3

Backup Power Supply

To keep Fuse emulation during Power Down, Supply VDDBU external with 3V3

System-Entwicklung und Beratung

www.newtec.de
Place close to DDR_VREF pins
JTAG Interface for SAMA5

USB Serial Console (Micro USB)

Routing USB to MPU

Max trace length mismatch between USB signals pairs should be no greater than 3.8mm
90 ohms differential trace impedance
Secure Element

For 3V3 VDDIO remove U9 and Fit R126+R127
TP31
TP32
R138
2k2
R139
2k2
Real Time Clock

I/O to RTCC

SPI to RTCC
For current measurement, remove resistor or fit with shunt resistor.
System Button

Wakeup / User Button

Status LEDs

LED0: Power LED
LED1: User programmable
LED2: WIFI active
LED3: Bluetooth active
LED4: Zigbee active
Low Speed Expansion Connector
96Boards IOT Edition 1.8V
<table>
<thead>
<tr>
<th>Revision</th>
<th>Change Description</th>
<th>Date</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>V0.1</td>
<td>Replace MIC 2025 by MIC 2095. Mark R27 as not fitted. Add pull-up to WDO and IFO on U10. Check VDDA and VSSA0 wiring on U11. Check series resistor R96 for LAN-LED. Check VDD10 wiring on U13. Add pull up resistors for I2C on Expansion Connector. Add Pullup to uSD card detect signal. Add Separate LDO for VDDFuse. Change pinning for LEDs and SD/MMC1_CD to keep compatibility with industrial version.</td>
<td>2018-09-21</td>
<td>AB</td>
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