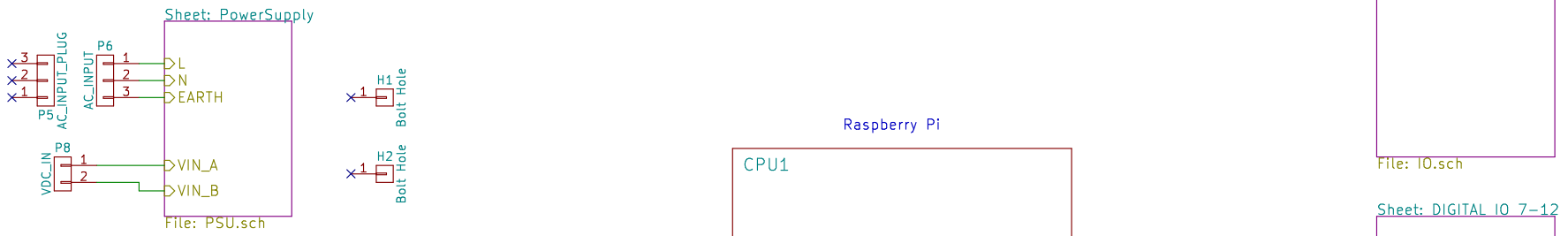
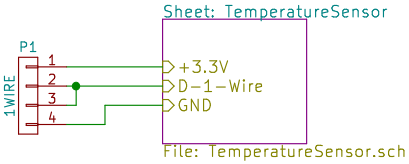
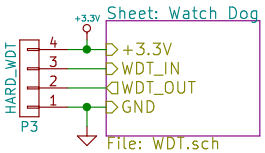
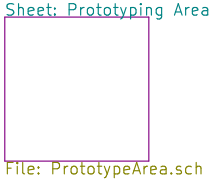
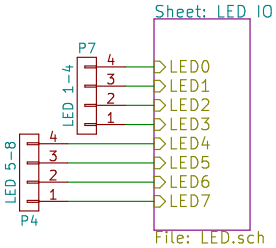
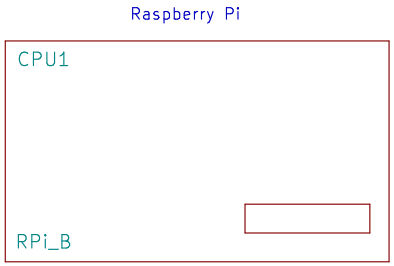


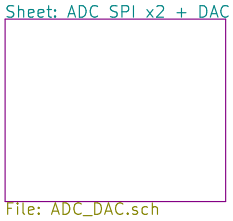


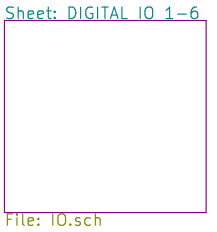


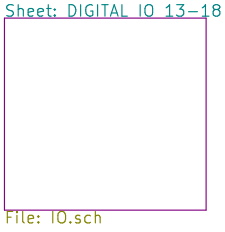


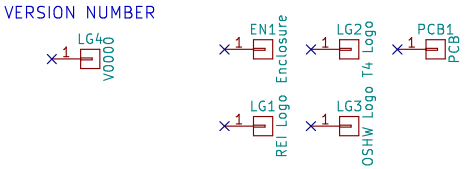










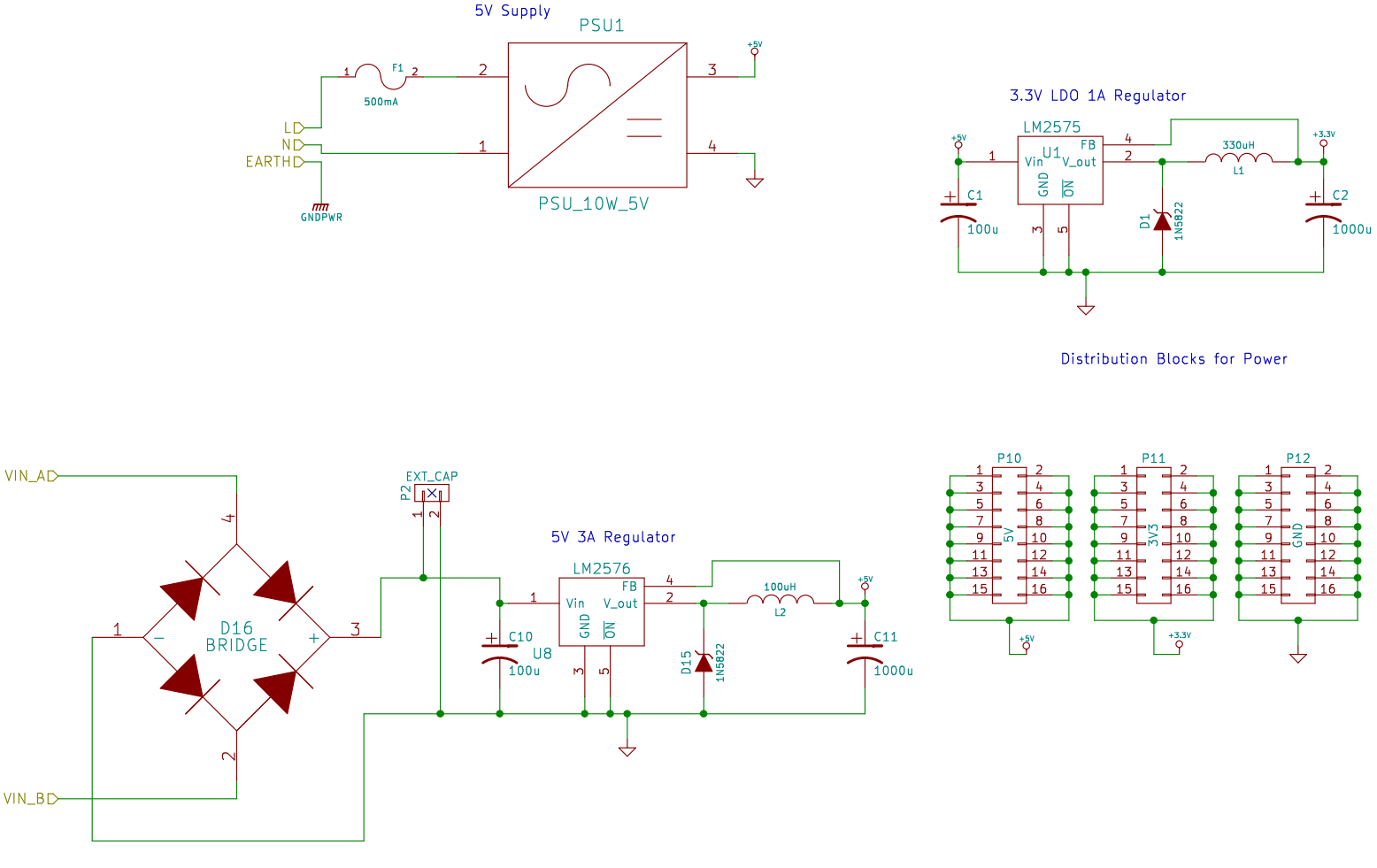


PCB design by RE-Innovation
T4 Sustainability

Sheet: /
File: oBeMs_Pulse_PCB.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 1/10



PCB design by RE-Innovation

T4 Sustainability

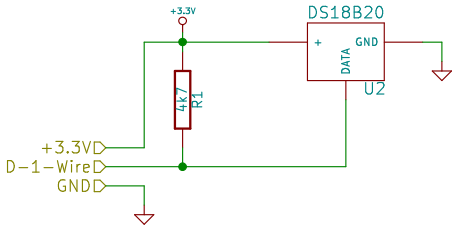
Sheet: /PowerSupply/

File: PSU.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 2/10

1 Wire Temp Monitoring

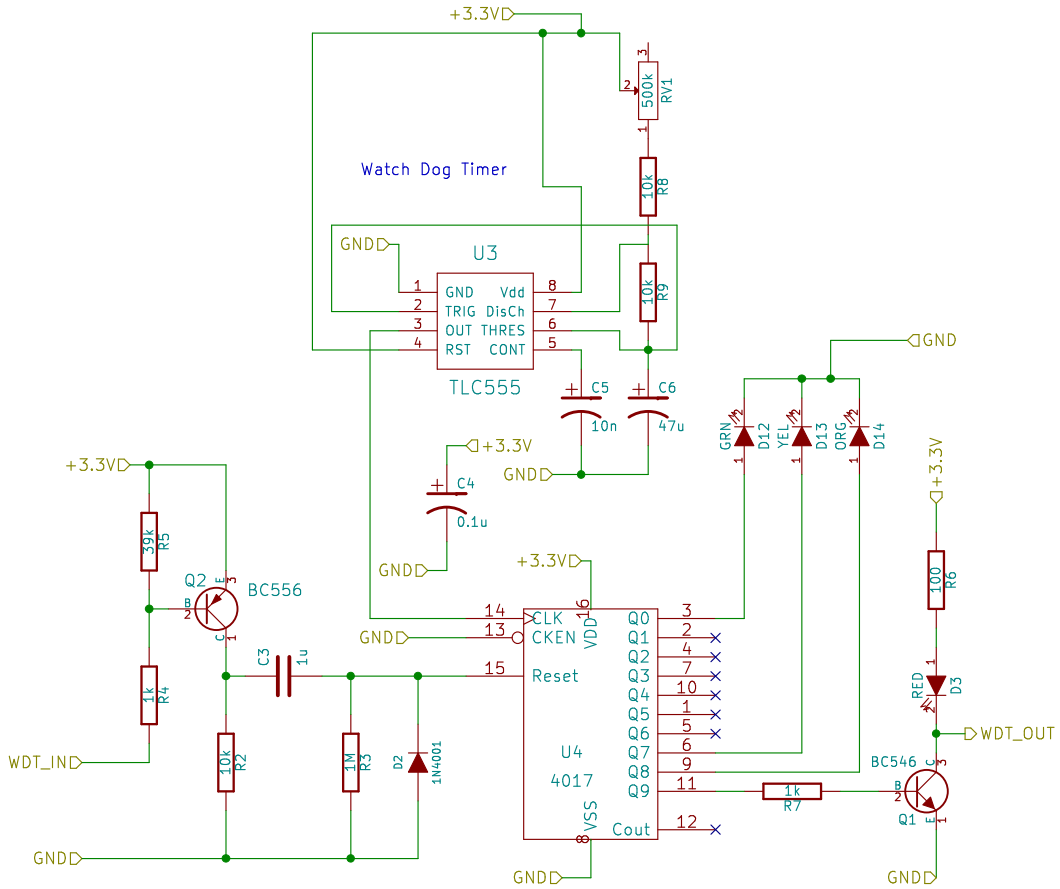


PCB design by RE-Innovation
T4 Sustainability

Sheet: /TemperatureSensor/
File: TemperatureSensor.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 3/10



PCB design by RE-Innovation

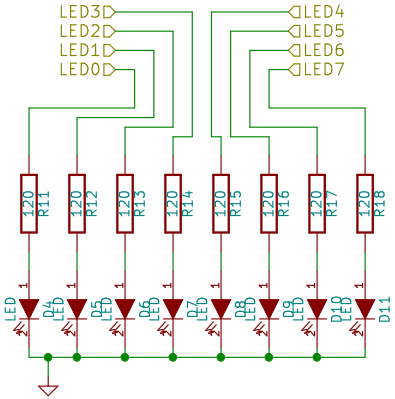
T4 Sustainability

Sheet: /Watch Dog Timer/
File: WDT.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 4/10

Output LED

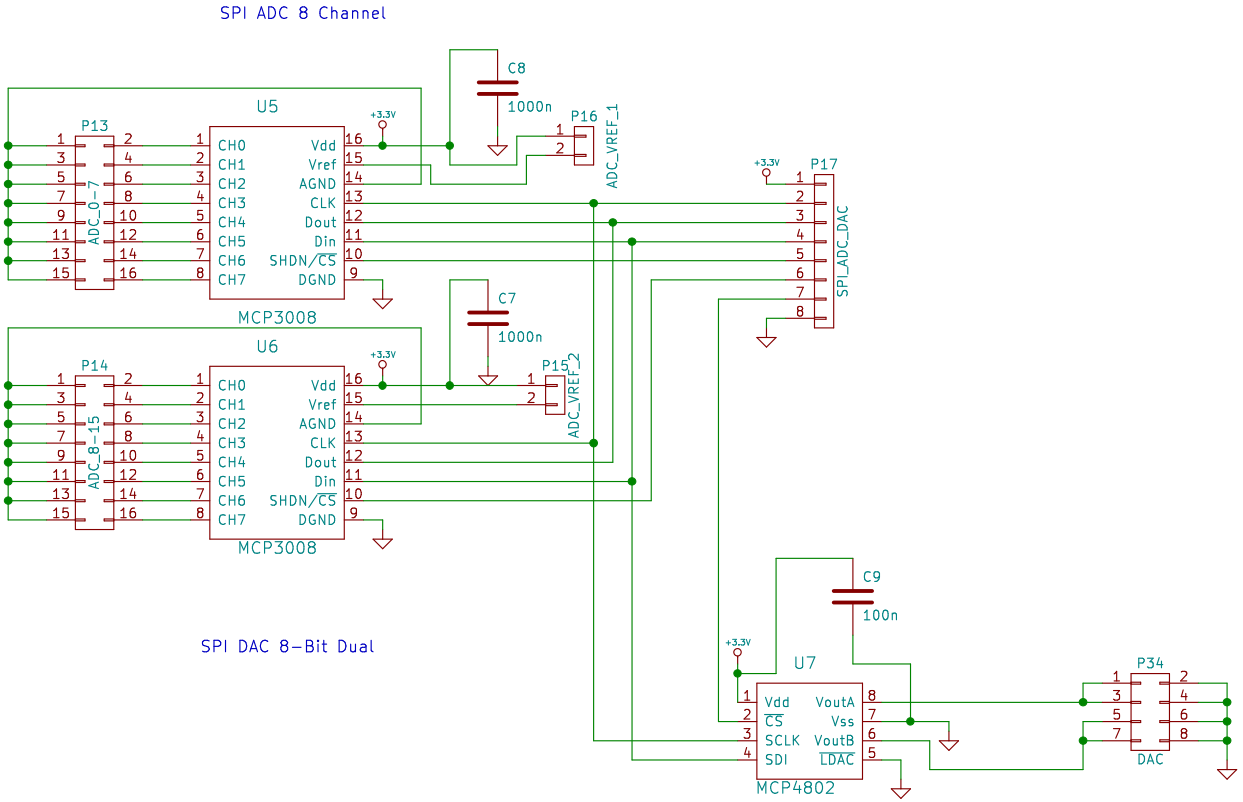


PCB design by RE-Innovation
T4 Sustainability

Sheet: /LED IO/
File: LED.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 5/10



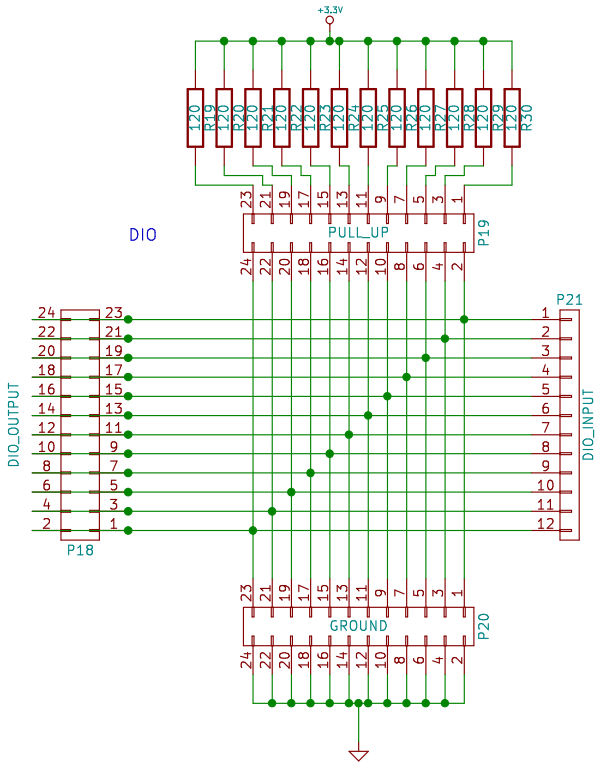
PCB design by RE-Innovation

T4 Sustainability

Sheet: /ADC SPI x2 + DAC/
File: ADC_DAC.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 6/10



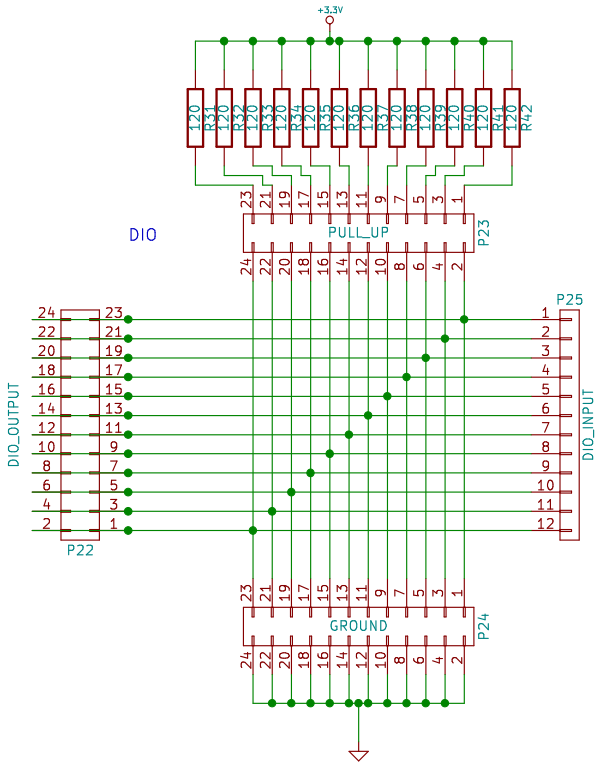
PCB design by RE-Innovation

T4 Sustainability

Sheet: /DIGITAL IO 1-6/
File: IO.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 7/10



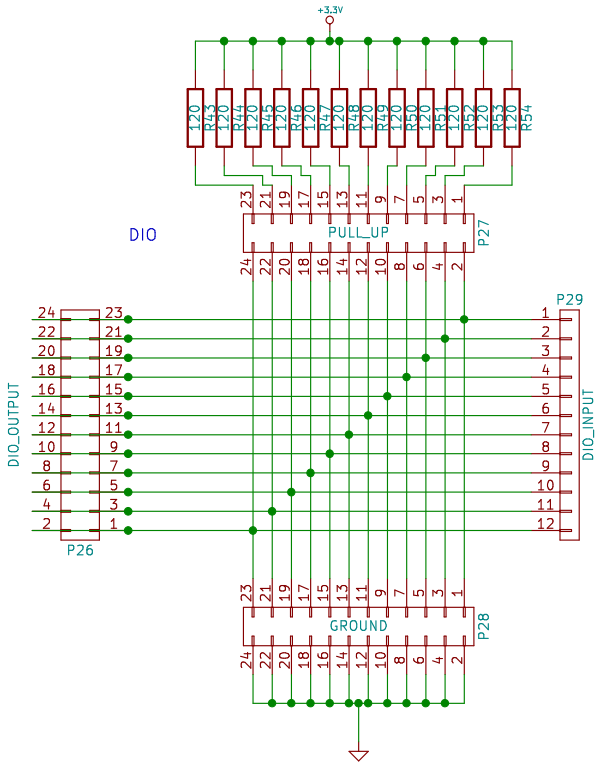
PCB design by RE-Innovation

T4 Sustainability

Sheet: /DIGITAL IO 7-12/
File: IO.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 8/10



PCB design by RE-Innovation

T4 Sustainability

Sheet: /DIGITAL IO 13-18/

File: IO.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 9/10

PCB design by RE-Innovation

T4 Sustainability

Sheet: /Prototyping Area/
File: PrototypeArea.sch

Title: oBeMs Open Pulse Monitor Unit

Size: A4	Date: 2015-12-21	**Rev: 4**
KiCad E.D.A. kicad 4.0.0-rc2-stable		Id: 10/10