

Sheet: TemperatureSensor

1

2

3

P1

1WIRE\_SENSOR\_1WIRE\_OUT

1

2

3

P2

1WIRE\_SENSOR\_1WIRE\_OUT

>+3.3V

>D-1-Wire

>GND

File: TemperatureSensor.sch

Sheet: Watch Dog Timer

4

3

2

1

P3

HARD\_WDT

>+3.3V

>WDT\_IN

>WDT\_OUT

>GND

File: WDT.sch

Sheet: LED IO

4

3

2

1

P7

LED 1-4

4

3

2

1

P4

LED 5-8

>LED0

>LED1

>LED2

>LED3

>LED4

>LED5

>LED6

>LED7

File: LED.sch

Sheet: ADC SPI x2 + DAC

File: ADC\_DAC.sch

Sheet: DIGITAL IO 1-6

File: IO.sch

Sheet: DIGITAL IO 7-12

File: IO.sch

Sheet: DIGITAL IO 13-18

File: IO.sch

Sheet: Prototyping Area

File: PrototypeArea.sch

CPU1

Raspberry Pi

RPi\_B

ENC1 Enclosure

LG1 Logo

LG2 Logo T4

LG3 Logo

PCB1 PCB

PCB design by RE-Innovation

**T4 Sustainability**

Sheet: /

File: oBeMs\_Pulse\_PCB.sch

**Title: oBeMs Open Pulse Monitor Unit**

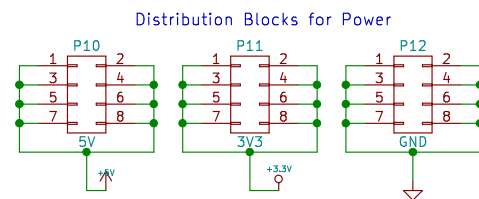
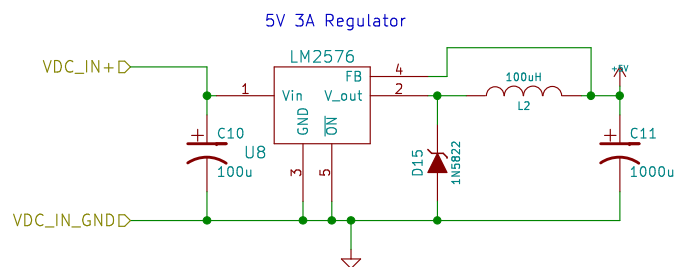
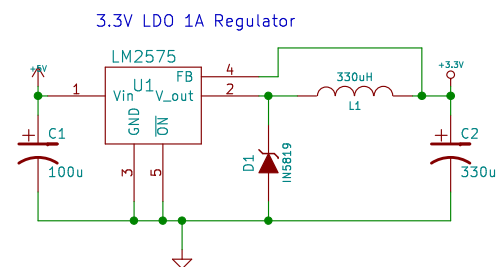
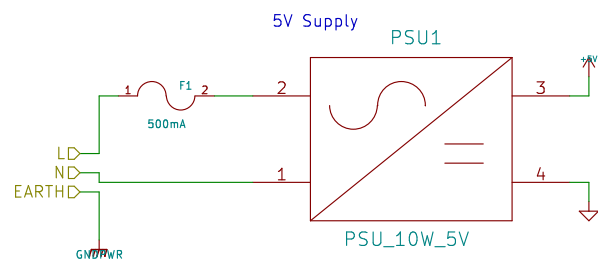
Size: A4

Date: 2015-11-01

Rev: 2

KiCad E.D.A. kicad 4.0.1-stable

Id: 1/10



PCB design by RE-Innovation

**T4 Sustainability**

Sheet: /PowerSupply/

File: PSU.sch

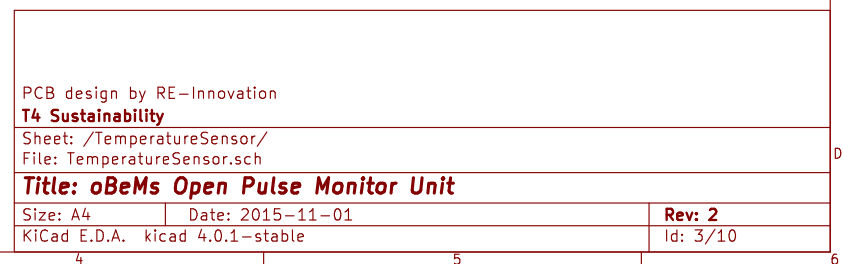
**Title: oBeMs Open Pulse Monitor Unit**

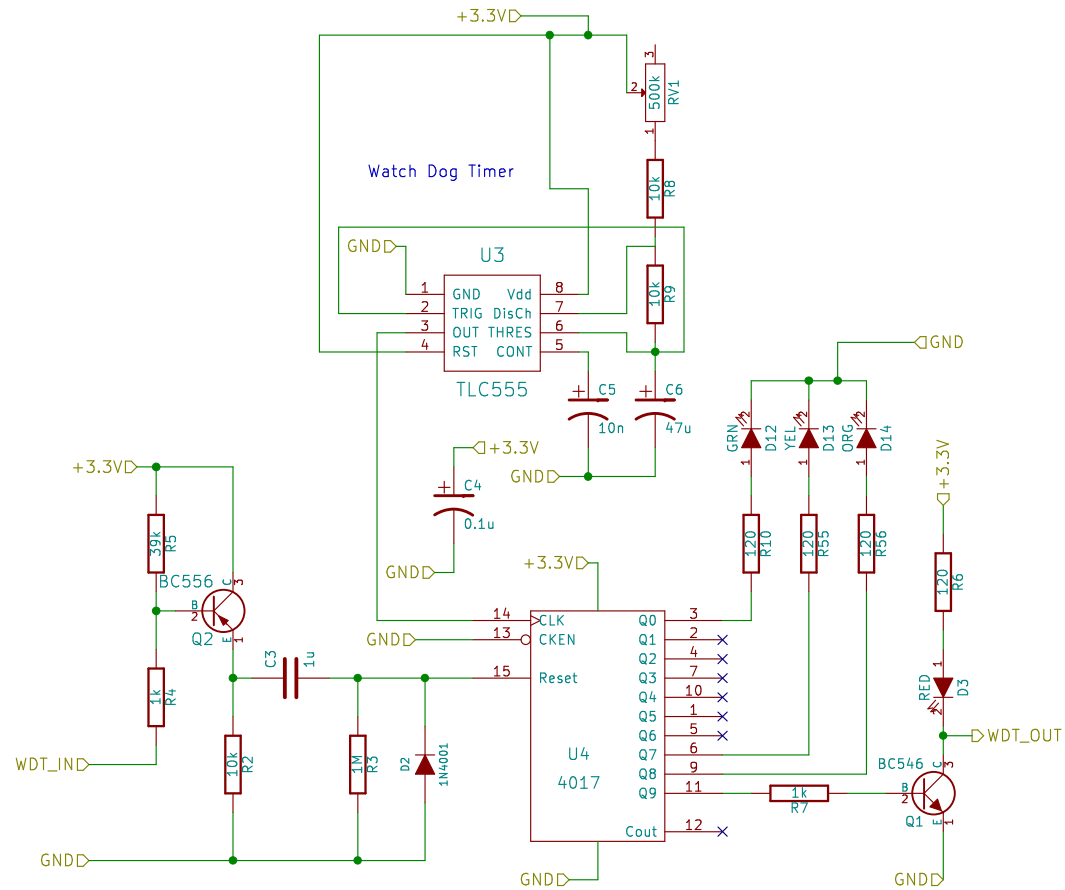
Size: A4 Date: 2015-11-01

KiCad E.D.A. kicad 4.0.1-stable

**Rev: 2**

Id: 2/10





PCB design by RE-Innovation

**T4 Sustainability**

Sheet: /Watch Dog Timer/

File: WDT.sch

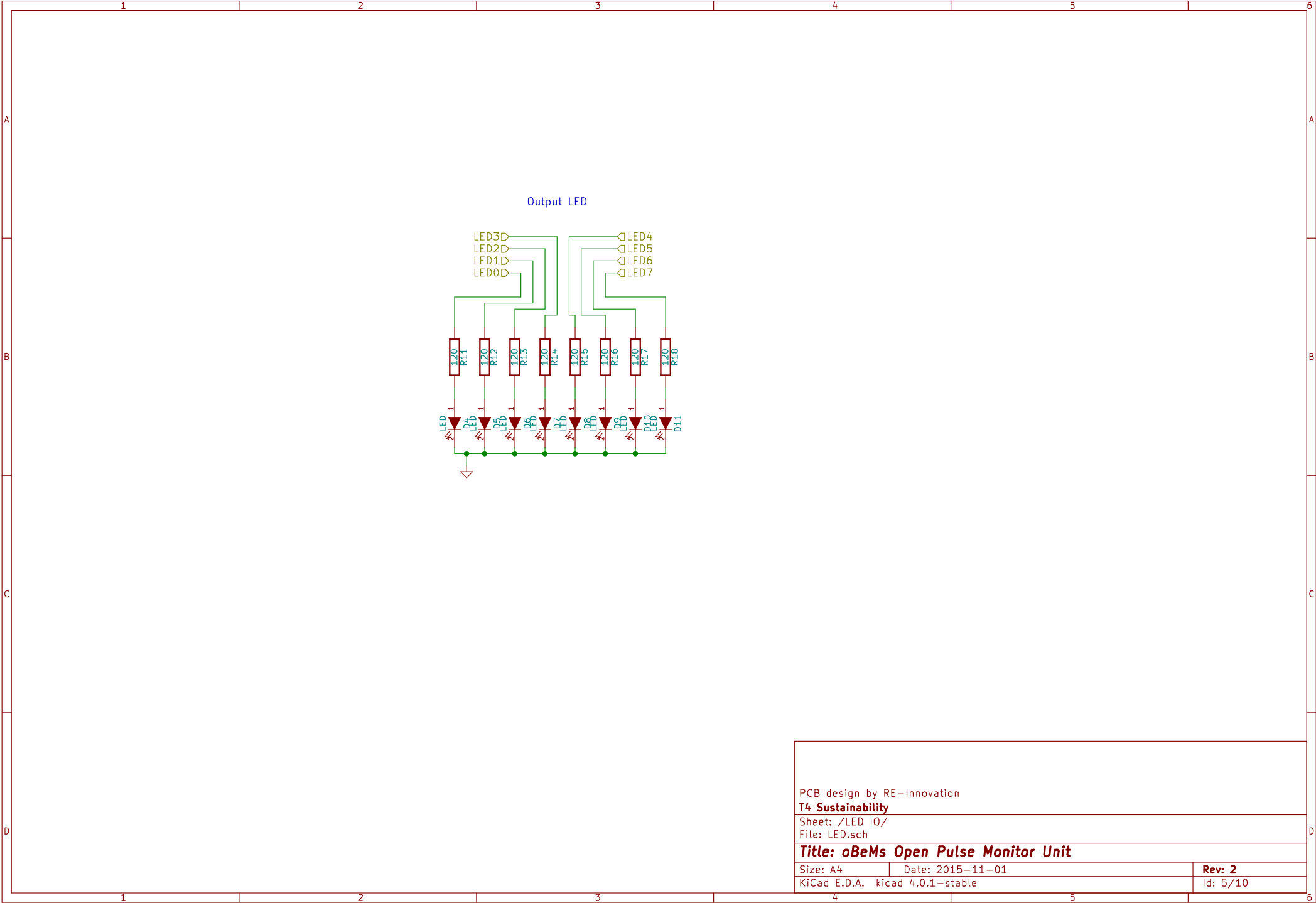
**Title: oBeMs Open Pulse Monitor Unit**

Size: A4 Date: 2015-11-01

KiCad E.D.A. kicad 4.0.1-stable

**Rev: 2**

Id: 4/10



PCB design by RE-Innovation

**T4 Sustainability**

Sheet: /LED IO/

File: LED.sch

**Title: oBeMs Open Pulse Monitor Unit**

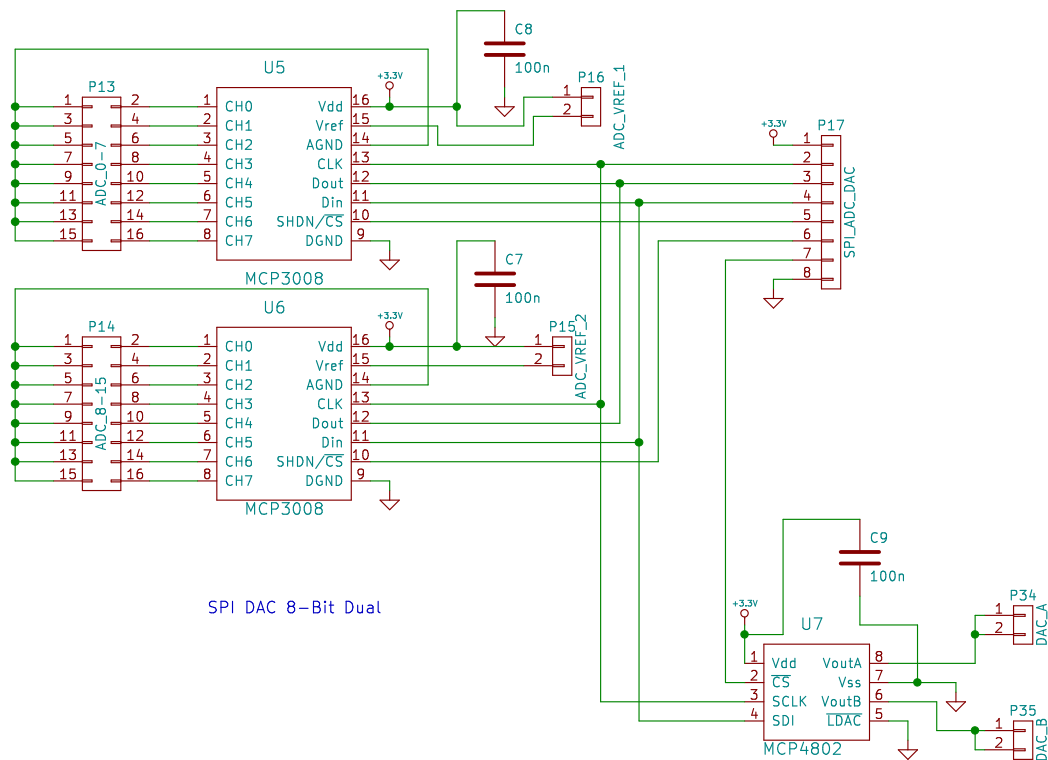
Size: A4 Date: 2015-11-01

KiCad E.D.A. kicad 4.0.1-stable

Rev: 2

Id: 5/10

# SPI ADC 8 Channel



## SPI DAC 8-Bit Dual

PCB design by RE-Innovation

**T4 Sustainability**

Sheet: /ADC SPI x2 + DAC/

File: ADC\_DAC.sch

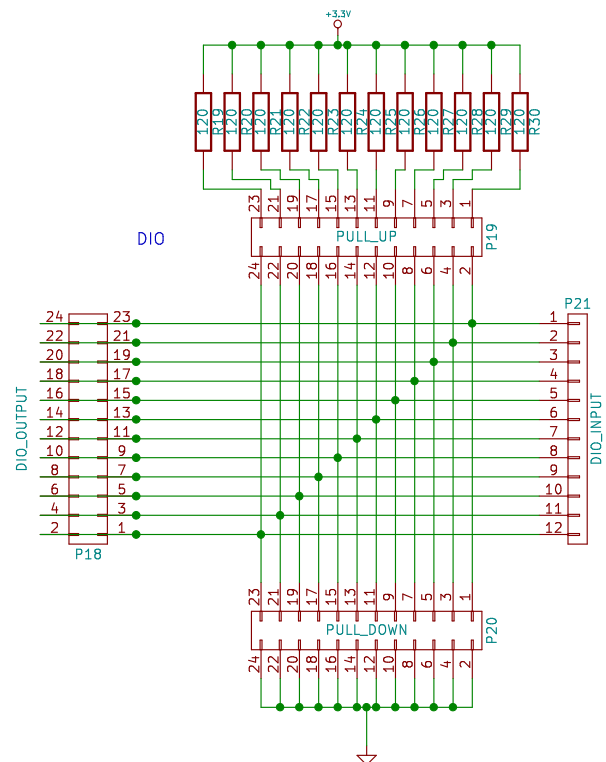
**Title: oBeMs Open Pulse Monitor Unit**

Size: A4 Date: 2015-11-01

KiCad E.D.A. kicad 4.0.1-stable

**Rev: 2**

Id: 6/10



PCB design by RE-Innovation

**T4 Sustainability**

Sheet: /DIGITAL IO 1-6/

File: IO.sch

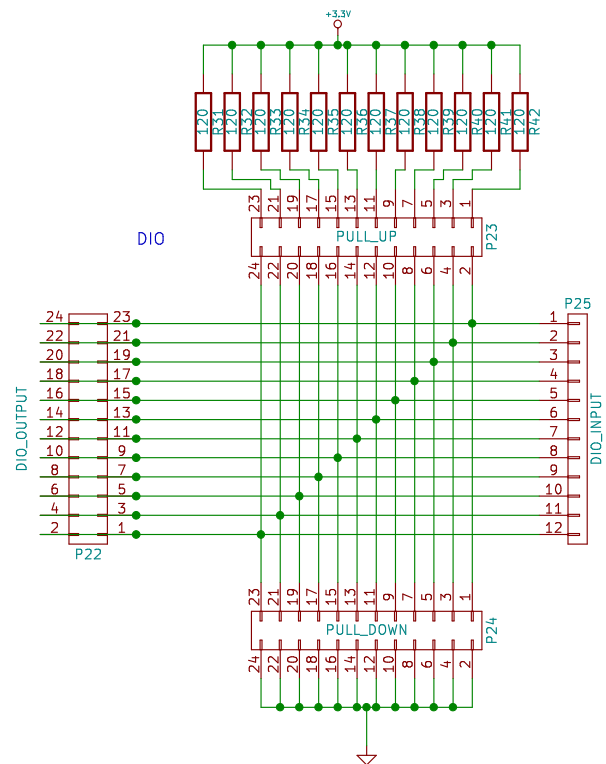
**Title: oBeMs Open Pulse Monitor Unit**

Size: A4 Date: 2015-11-01

KiCad E.D.A. kicad 4.0.1-stable

**Rev: 2**

Id: 7/10



PCB design by RE-Innovation

**T4 Sustainability**

Sheet: /DIGITAL IO 7-12/

File: IO.sch

**Title: oBeMs Open Pulse Monitor Unit**

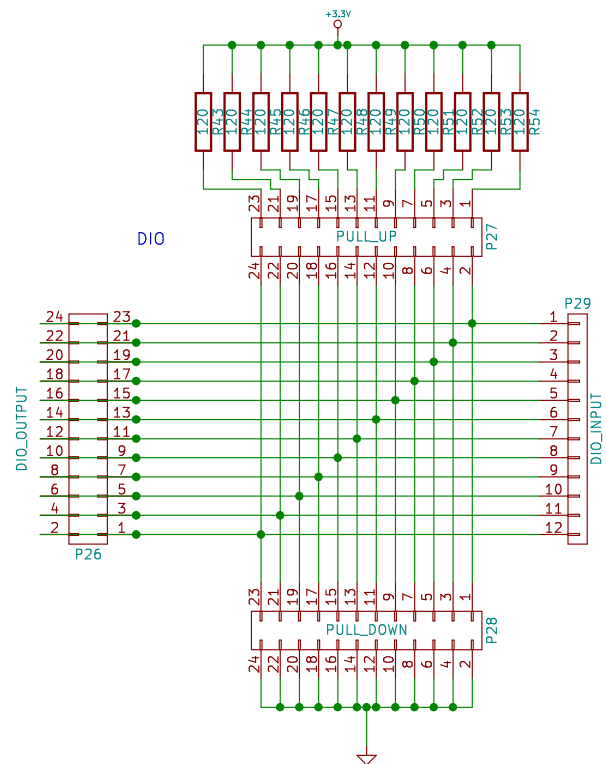
Size: A4 Date: 2015-11-01

KiCad E.D.A. kicad 4.0.1-stable

**Rev: 2**

Id: 8/10





PCB design by RE-Innovation

**T4 Sustainability**

Sheet: /DIGITAL IO 13-18/

File: IO.sch

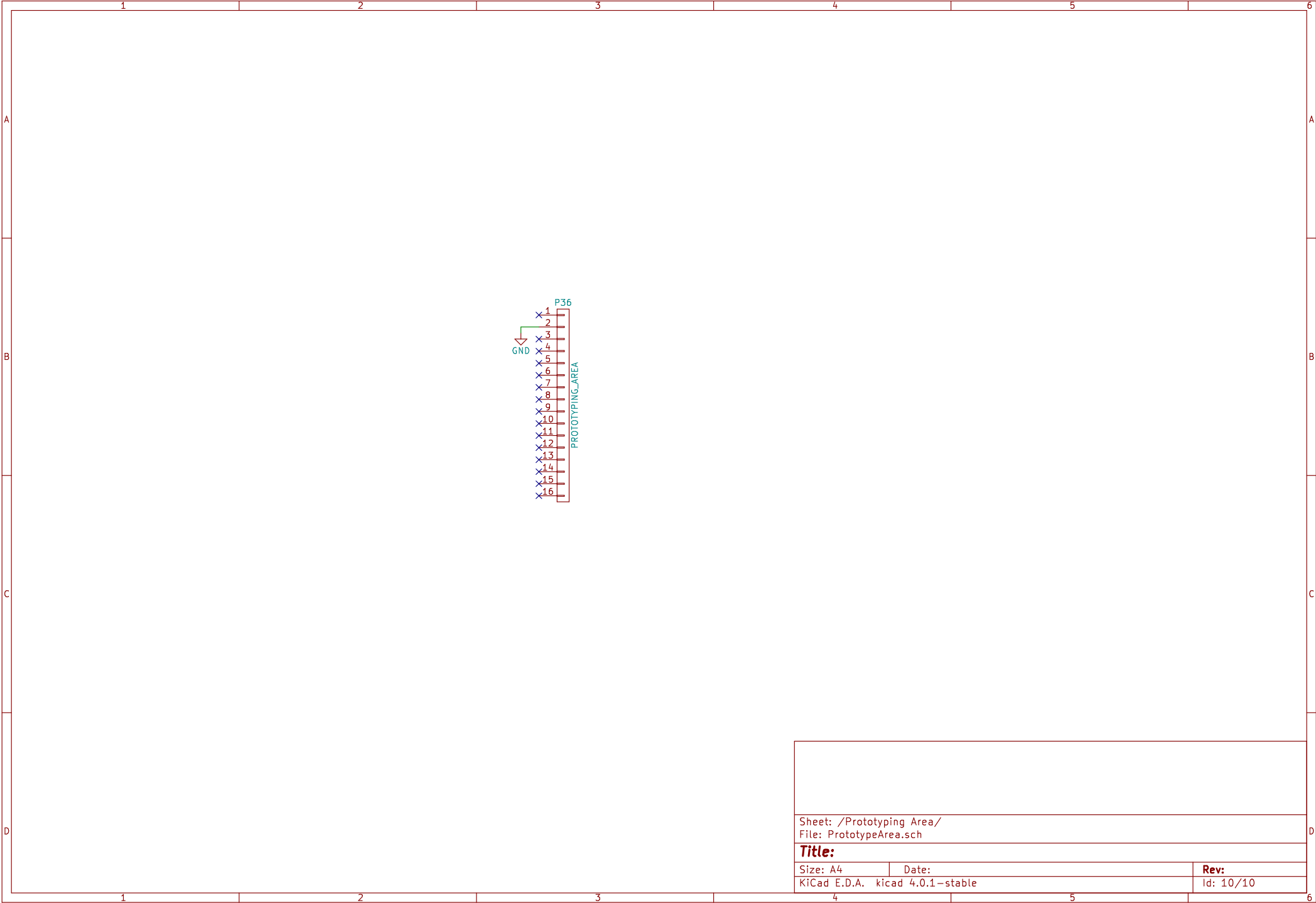
**Title: oBeMs Open Pulse Monitor Unit**

Size: A4 Date: 2015-11-01

KiCad E.D.A. kicad 4.0.1-stable

**Rev: 2**

Id: 9/10



Sheet: /Prototyping Area/ File: PrototypeArea.sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 4.0.1-stable		Id: 10/10