P6
1 2 3 4 5 6 7
OUT4

GND

GND

VDD

D1
LED1

C2
Cap
100pF

GND
VDD PA1 PA7 PA6 PA5 PA4

28 27 26 25 24 23 22

P10
Component_1

P7
3
2
1
BOOT

Vdd 1

21 VEXT

4
LED
100

C3
Cap
100pF

P3
1
2
3
powerRegulator

BOOT0 2

1 Boot 10K
2 switch 10K

20 JTCK/SWCLK

GND

nRESET 3

19 JTMS/SWDIO

VDD
nRESET

S1

PA3 4

18 PA9 PA9

P1
1
2
3
4
5
6
SWD

P5
5
4
3
2
1
OUT1

PA3

SW-DPST

C1
Cap
100pF

nRESET PA3

PA3

PA2 5

17 JTDO/SWO

6 pullup 10K

5 pulldown 10K

P2
1
2
3
4
5
OUT3

PA9

GND 6

16 PA10

VDD

7 pullup 10K

GND2

PA0 7

15 GND

GND2

PA11 PA12 PB6 PB7 PB9 PB8 GND

8 9 10 11 12 13 14

P4
7 6 5 4 3 2 1
OUT2

Title

Size A4
Number
Revision

Date: 2014-05-31
File: C:\Users\..\INEMOundergrad.SchDoc
Sheet of
Drawn By:

S1

D1

C1

P6

C2

P2

P3

P7

P10

P1

P5

P4

Comment	Description	Designator	Footprint	LibRef	Quantity
Boot	Resistor	1	AXIAL-0.3	Res1	1
switch	Resistor	2	AXIAL-0.3	Res1	1
LED	Resistor	4	AXIAL-0.3	Res1	1
pulldown	Resistor	5	AXIAL-0.3	Res1	1
pullup	Resistor	6, 7	AXIAL-0.3	Res1	2
Cap	Capacitor	C1, C2, C3	RAD-0.3	Cap	3
LED1	Typical RED GaAs LED	D1	LED-1	LED1	1
SWD	Header, 6-Pin	P1	HDR1X6	Header 6	1
OUT3	Header, 5-Pin	P2	HDR1X5	Header 5	1
powerRegulator	Header, 3-Pin	P3	HDR1X3	Header 3	1
OUT2	Header, 7-Pin	P4	HDR1X7	Header 7	1
OUT1	Header, 5-Pin	P5	HDR1X5	Header 5	1
OUT4	Header, 7-Pin	P6	HDR1X7	Header 7	1
BOOT	Header, 3-Pin	P7	HDR1X3	Header 3	1
Component_1		P10	INEMO - duplicate3	Component_1	1
SW-DPST	Double-Pole, Single-Thr	S1	DPST-4	SW-DPST	1