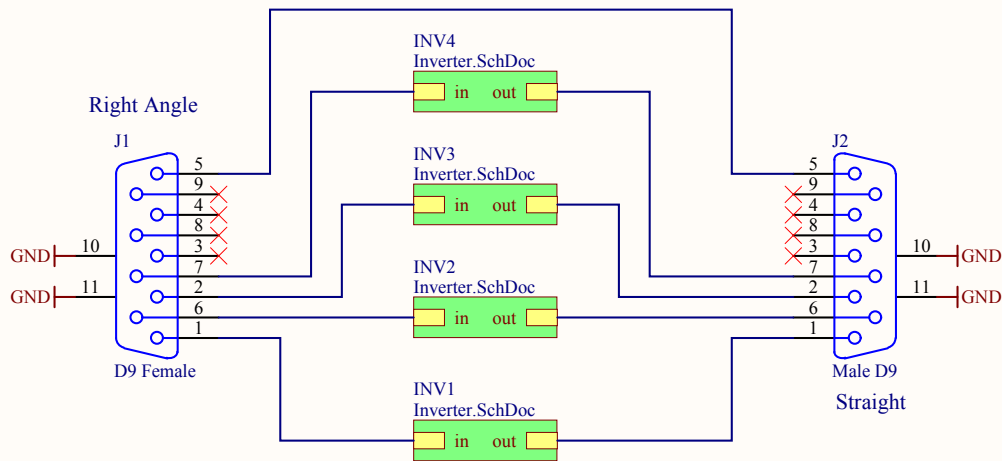
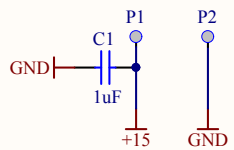


Binary
Inputs from Hardware
Watchdog Main Board



Inverted Binary Outputs
To Binary Monitors

Incoming Power



Last Edited: 7/27/2015

Title
Hardware Watchdog Logic Inverter

LIGO Laboratory
California Institute of Technology
Massachusetts Institute of Technology



Size: A DCC Number: D1500215

Revision: V1

Engineer: R. Abbott

Date: 8/5/2015

Time: 10:03:22 AM

Sheet 1 of 2

File: C:\Rich's Files\Mycadfiles\BinaryFlip\BinaryFlip.SchDoc

1

2

3

4

A

A

B

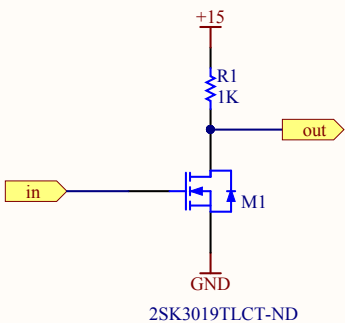
B

C

C

D

D



2SK3019TLCT-ND

Last Edited: 8/5/2015

Title
Inverter

LIGO Laboratory
 California Institute of Technology
 Massachusetts Institute of Technology



Size: A	DCC Number: D1500215	Revision: V1	Engineer: R. Abbott	Date: 8/5/2015
				Time: 10:03:22 AM

File: C:\Rich's Files\Mycadfiles\BinaryFlip\Inverter.SchDoc

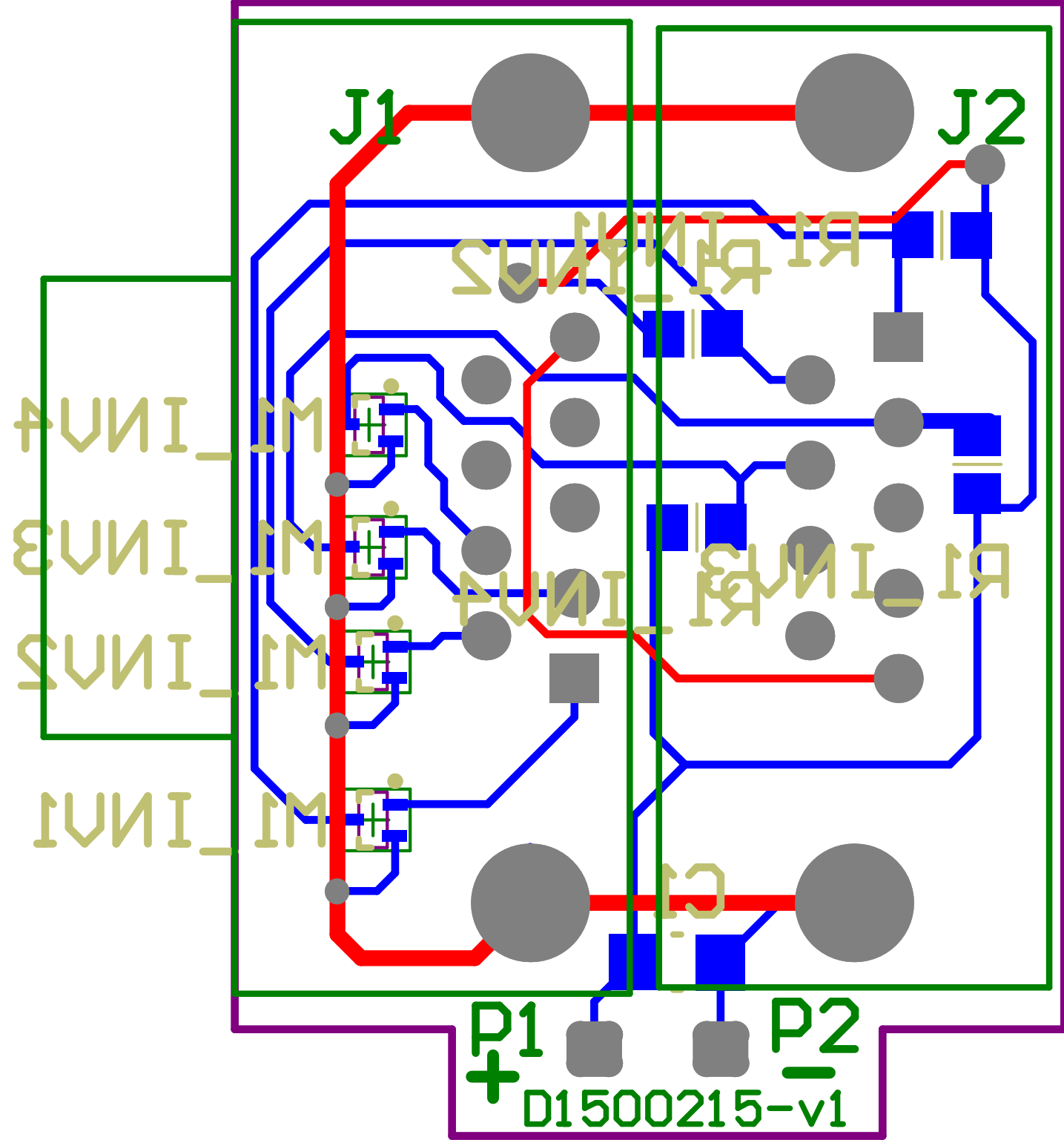
Sheet 2 of 2

1

2

3

4



LIGO Bill of Materials

Source Data From: BinaryFlip.PrjPCB
Board Designed By: R. Abbott
Board D-number: D1500215
Board Revision: V1
Variant: None

Creation Date: 8/5/2015 10:03:25 AM
Print Date: 05-Aug-15 10:03:26 AM

Designator	Comment	Description	Digikey Part Number	Manufacturer's Part Number	Quantity
C1	1uF	Capacitor	1276-1204-1-ND		1
J1	D9 Female	Receptacle Assembly, 9 Position, Right Angle	A32117-ND		1
J2	Male D9	Receptacle Assembly, 9 Position, Right Angle	A32058-ND		1
M1_INV1, M1_INV2, M1_INV3, M1_INV4	NMOS	ROHM N-Channel MOSFET	2SK3019TLCT-ND		4
R1_INV1, R1_INV2, R1_INV3, R1_INV4	1K	Resistor	RNCP0805FTD1K00CT-ND		4
					11