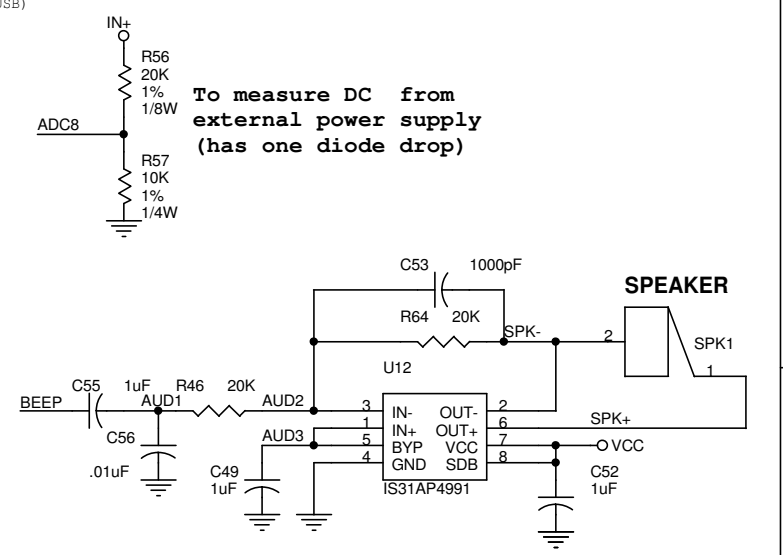
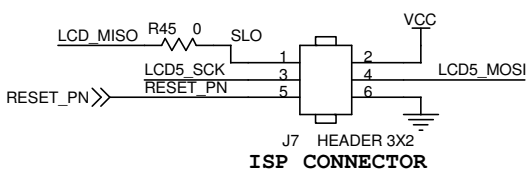



**ENABLE BROWN-OUT
DETECTION AT
4.3V**





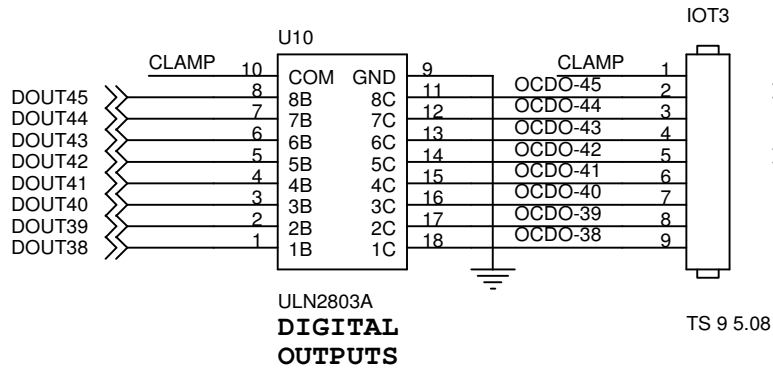
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Title

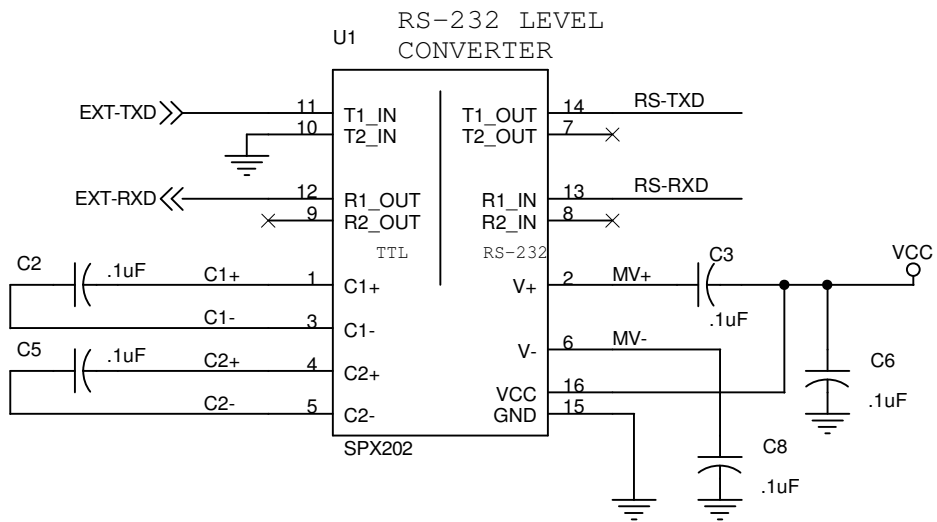
PLDuino

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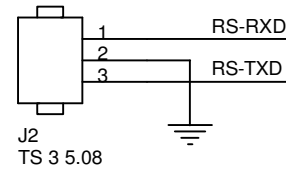
Date	Tuesday, October 27, 2015	Size	Custom	Rev	2.2	Sheet	1	of	7	DWG NO	ATMEGA2560 Processor
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Each digital output can sink up to 500mA to ground. Do not exceed 1 Amp total for all outputs.



RS-232 serial I/O. Not TTL compatible.



Note:
If TTL levels are needed, remove U1 and jumper pins 11 to 14 and pins 12 to 13 in the socket.



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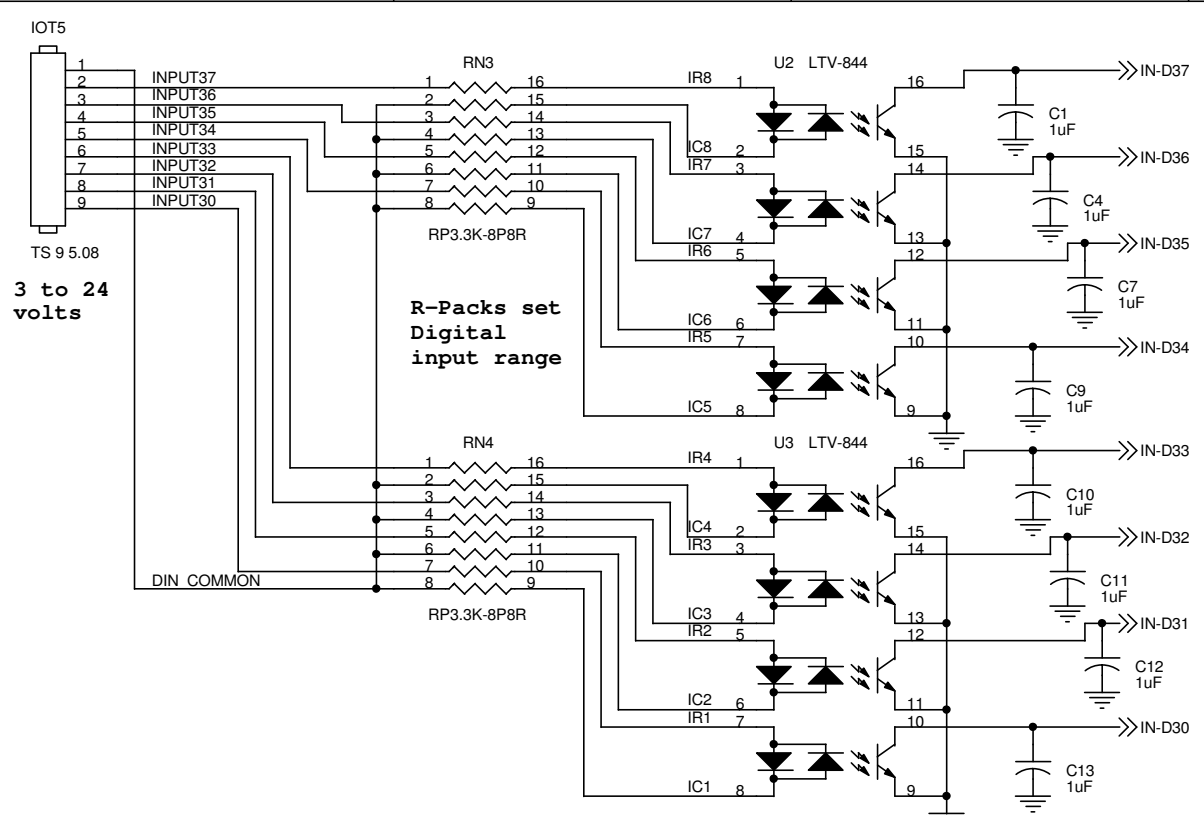
Size A

Rev 2.2

Sheet 2 of 7

DWG NO

Digital Outputs

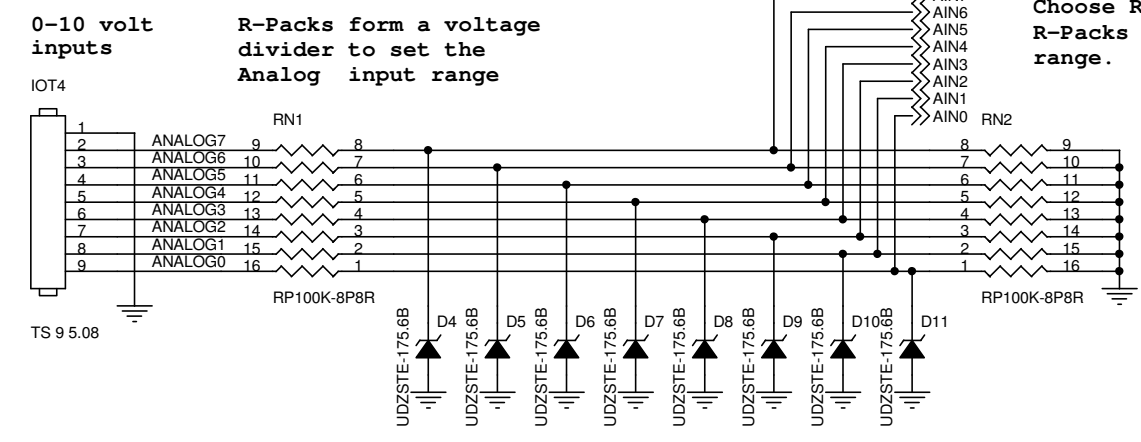


TS 9 5.08
3 to 24 volts

R-Packs set Digital input range

Digital input optoisolators

R-Packs shown can be used for voltages from 3.3V to 24V.
Use 10K for RN3 and RN4 for 12V to 48V range



0-10 volt inputs

R-Packs form a voltage divider to set the Analog input range

Choose R-Packs so 0 to 5 volts appear here.
R-Packs shown give a 0 - 10 volt input range.



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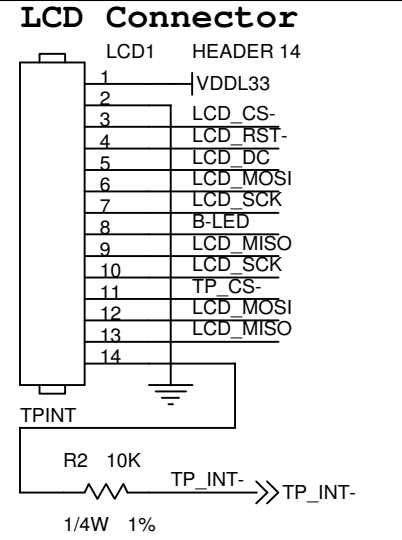
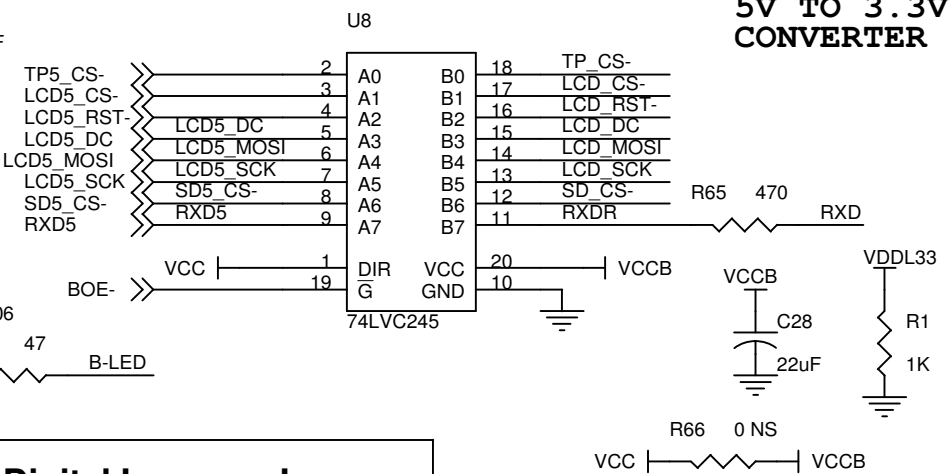
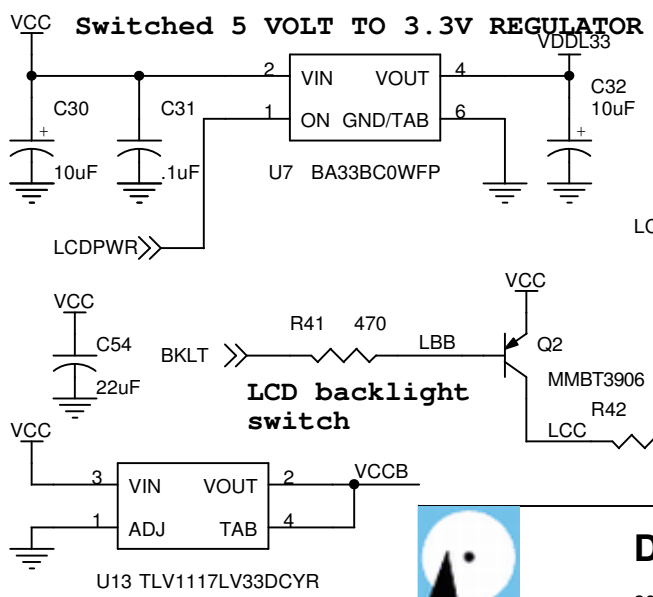
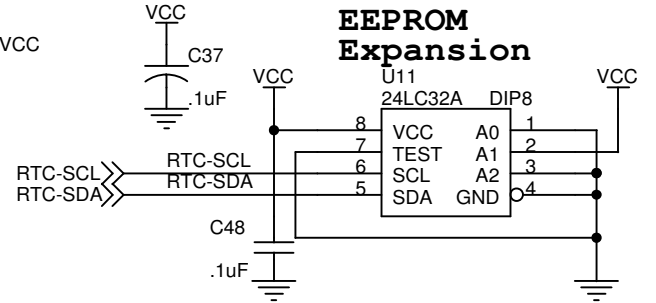
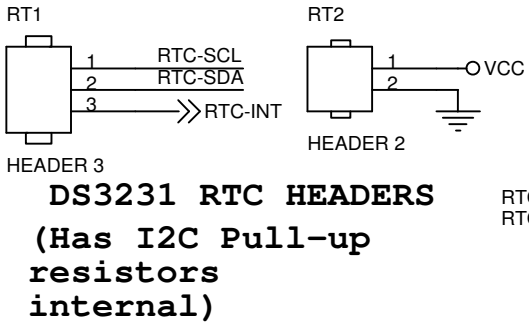
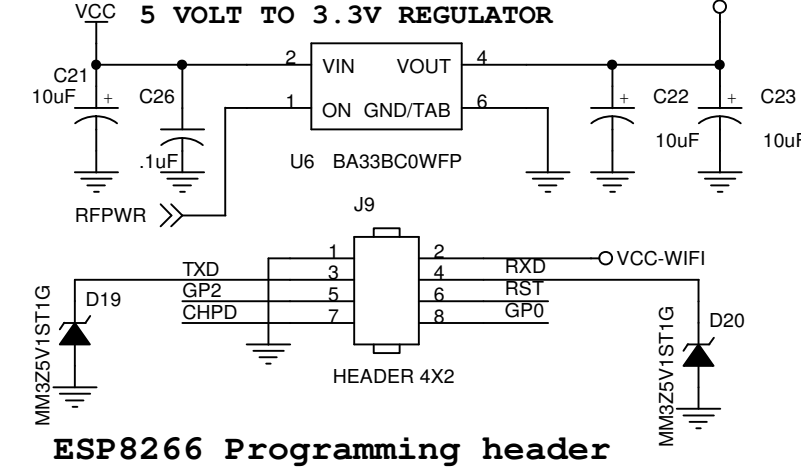
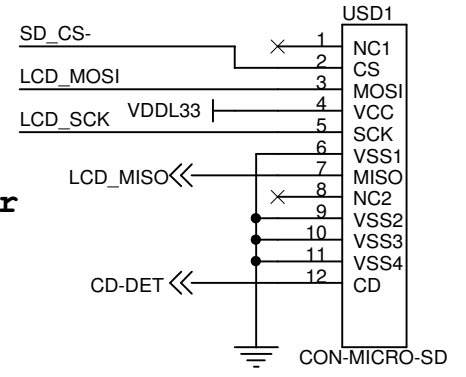
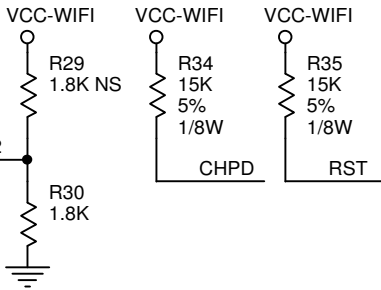
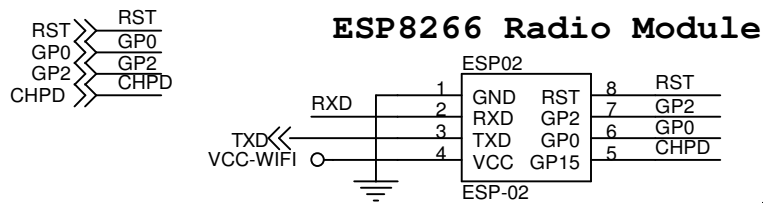
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Date Tuesday, October 27, 2015 Size Custom Rev 2.2

Sheet 3 of 7

DWG NO

Digital and Analog inputs



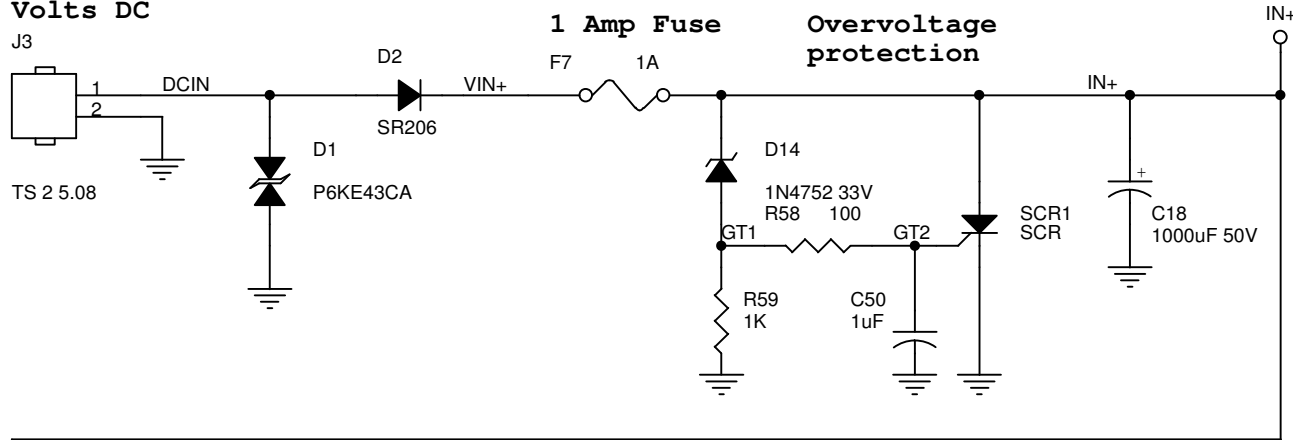
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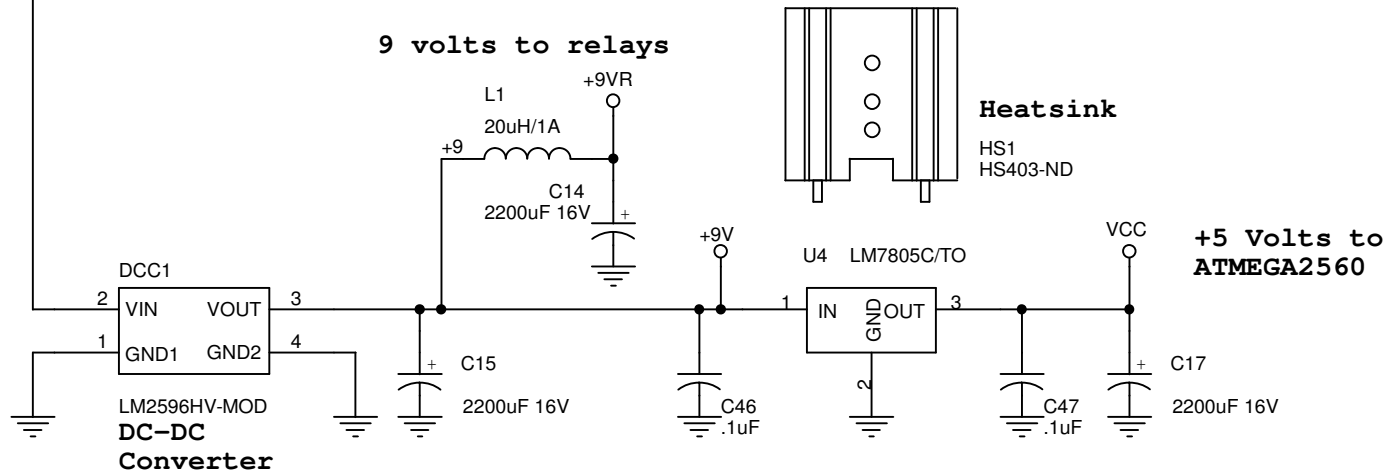
Title **PLDuino** (c) 2015 by Digital Loggers, Inc.

Date	Tuesday, October 27, 2015	Size	A	Rev	2.2	Sheet	4	of	7	DWG NO	Misc. I/O
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**12 to 24
Volts DC**



9 volts to relays



- | | |
|----------------------|--------------------------|
| EXSPK1
SPEAKER | EXTFT1
LCD +
CABLE |
| FCE SPKR | DLI LCD + CABLE |
| EXCASE1
CASE | EXSD1
uSD CARD |
| DLI CASE | 8GB DLI uSD CARD |
| EXANT1
ANTENNA | EXMISC1
SCREWS |
| DLI ANTENNA | DLI SCREWS |
| EXRFCBL1
RF CABLE | EXRTC1
RTC |
| DLI RF CABLE | DLI RTC |



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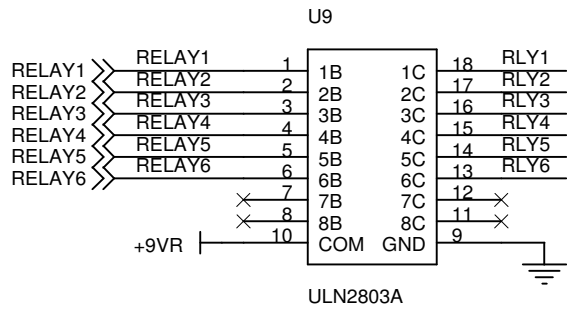
Size A

Rev 2.2

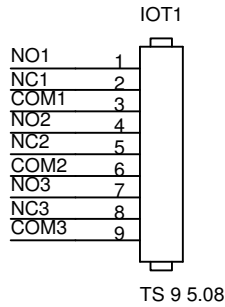
Sheet 5 of 7

DWG NO

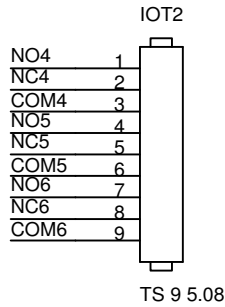
POWER INPUT



RELAY DRIVER

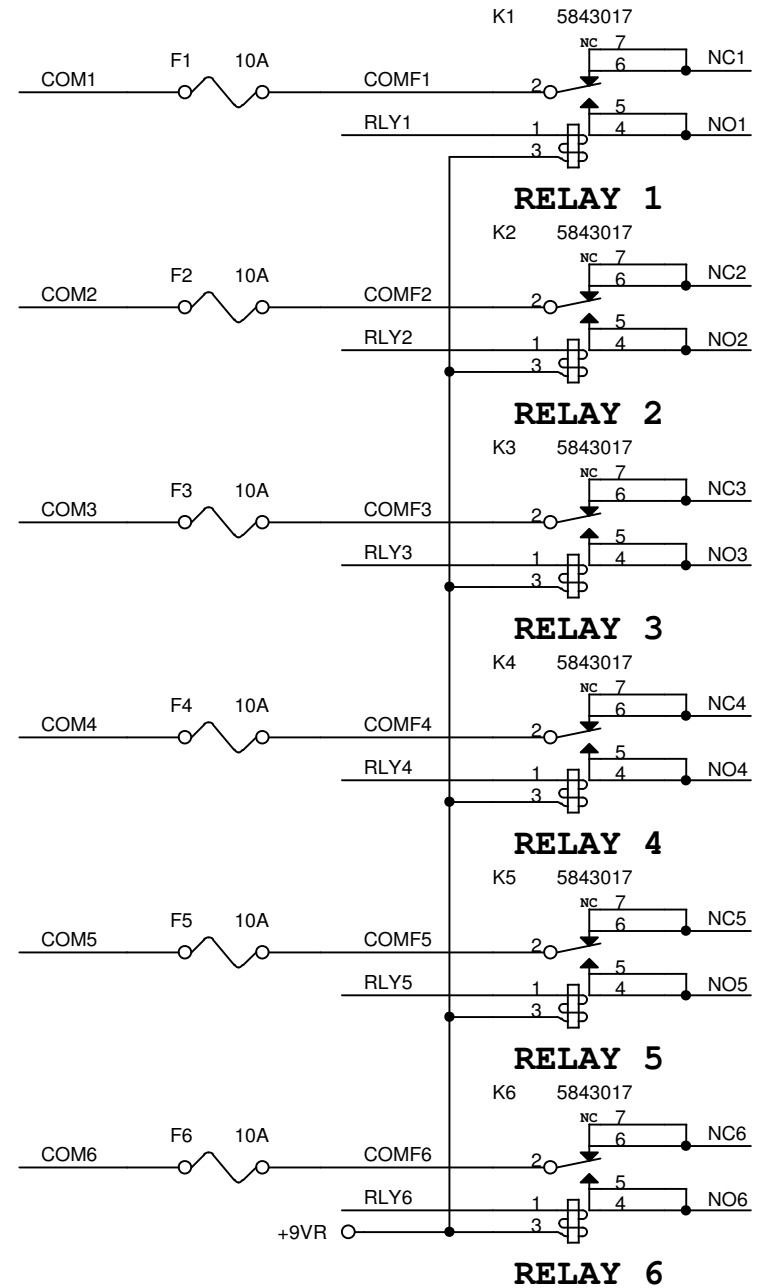


TERMINAL STRIPS



Relays are fused with 10 Amp fuses.

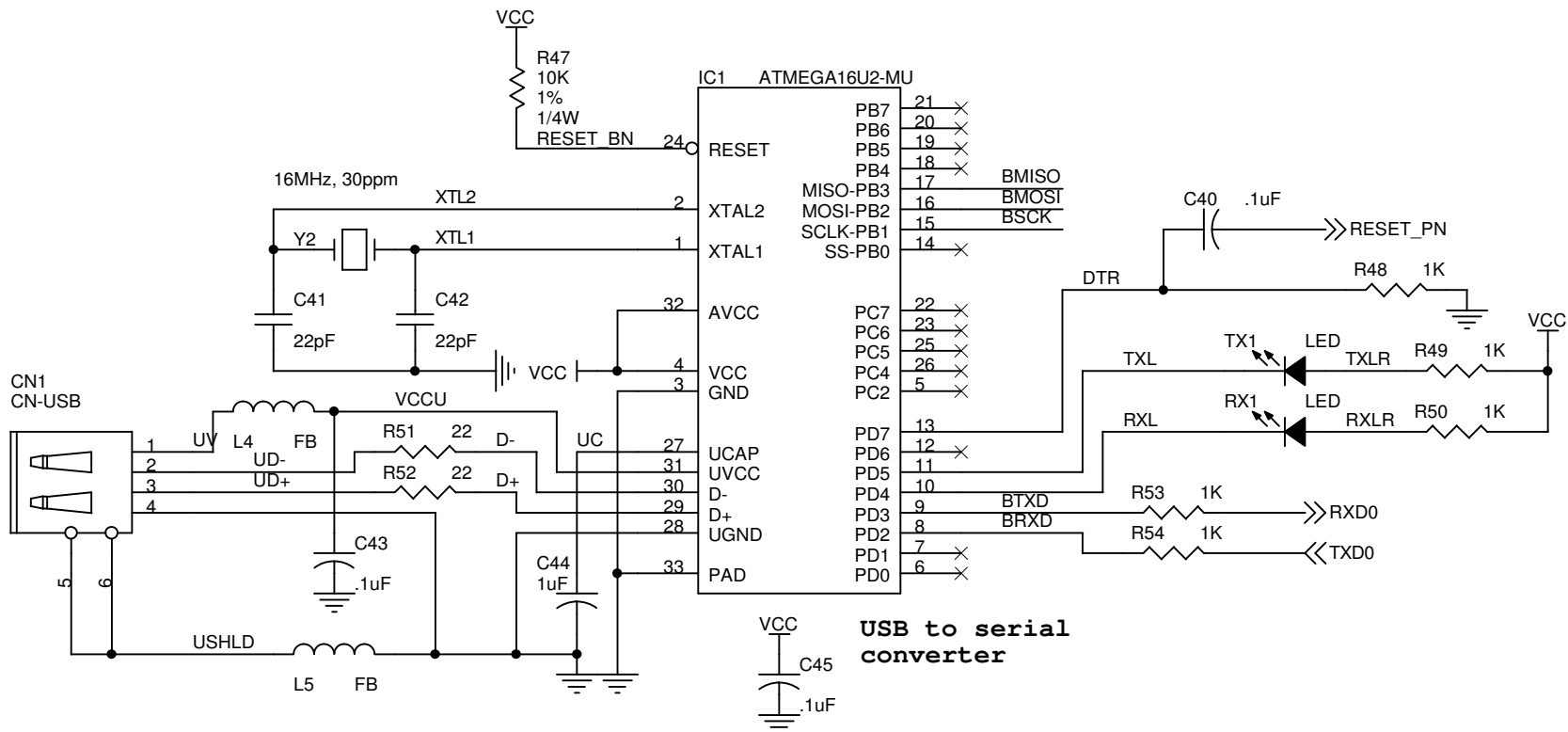
Do not exceed 6 Amps per relay to prevent blowing the fuse.




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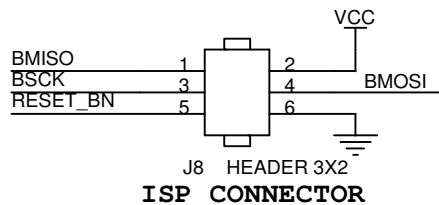
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Date Tuesday, October 27, 2015 Size A Rev 2.2 Sheet 6 of 7 DWG NO **Relays**



USB to serial converter

**ENABLE BROWN-OUT
DETECTION AT
4.3V**




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