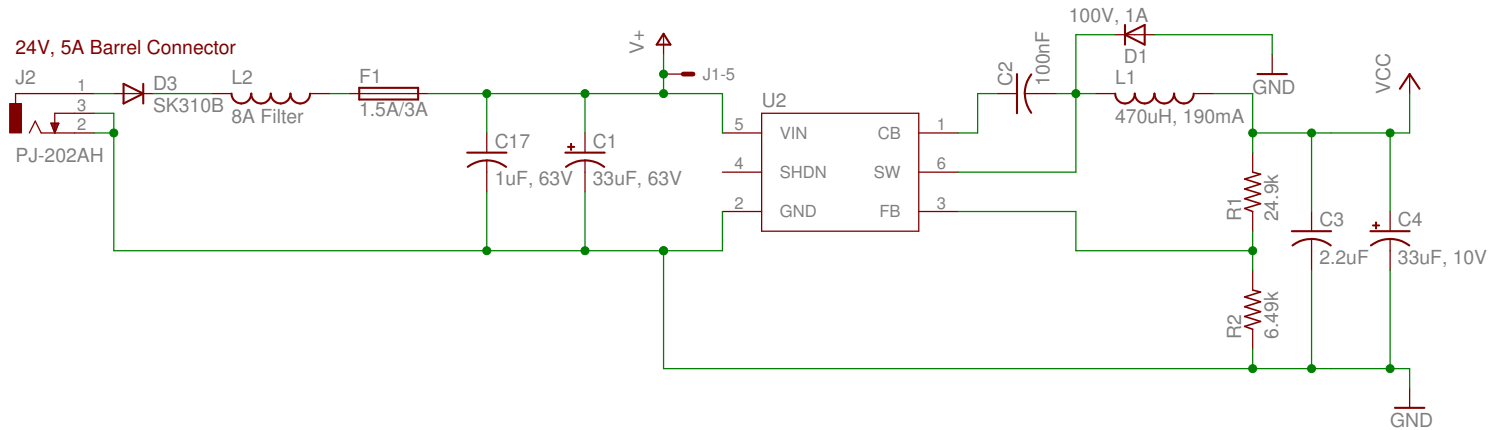


5-48VDC Input, 3.7VDC Output Regulator



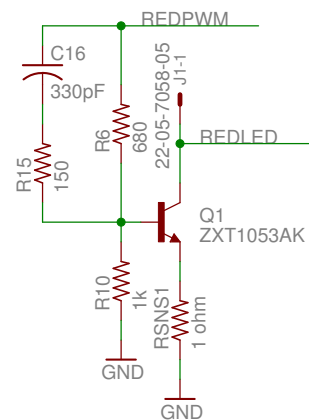
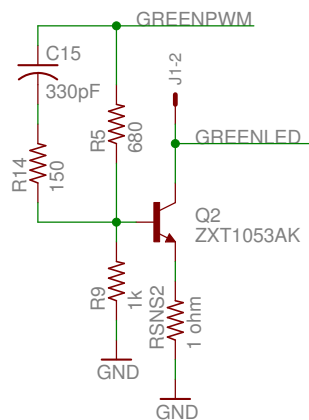
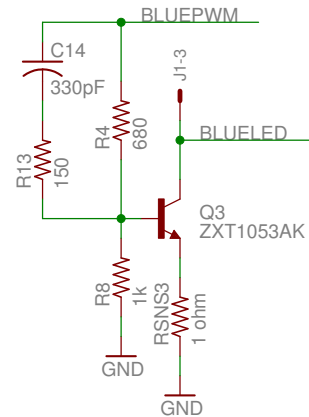
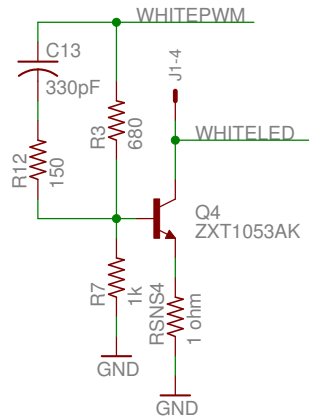
L1 - SRR6603-471ML
D1 - DFSL1100-7
D3 - SK310B
L2 - 74279226101
F1 - 0ZCD0150FF2C
C1 - EEHZA1J220XP
C4 - 10SVP33M

SaikoLED TeensyLED Breakout Board
Brian Neltner, SaikoLED LLC, neltnerb@saikoled.com

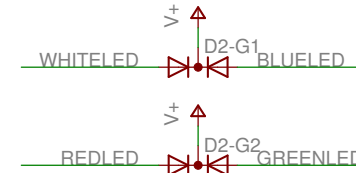
TITLE: TeensyLED	VERSION: X2
Document Number: 15041400	REV: 15052000
Date: 5/20/15 9:35 PM	Sheet: 1/4

4x 700mA Current Sinks

RCTL Topology allows fast response with peak current limit of 25mA for compatibility with MK20DX256VLH7, but with <2mA steady-state current.



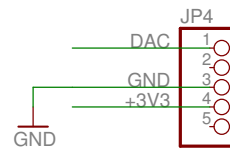
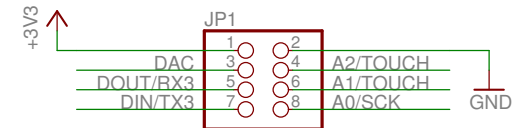
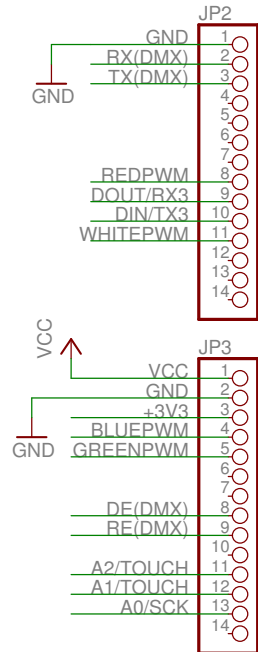
Flyback diodes prevent reverse bias on LEDs due to wire inductance when the current sink turns off.



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Brian Neltner, SaikoLED LLC, neltnerb@saikoled.com

TITLE: TeensyLED	VERSION: X2
Document Number: 15041400	REV: 15052000
Date: 5/20/15 9:35 PM	Sheet: 2/4

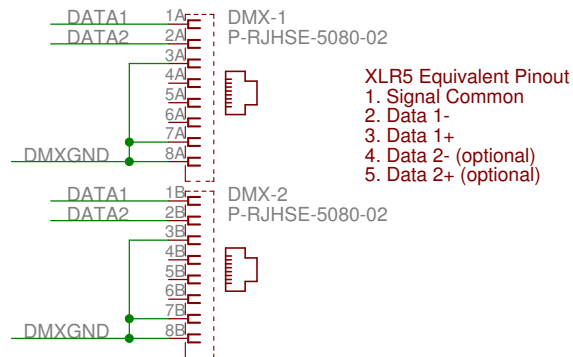
Teensy 3.1 Socket



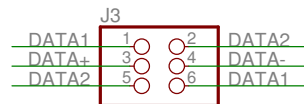
SaikoLED TeensyLED Breakout Board Brian Neltner, SaikoLED LLC, neltnerb@saikoled.com	
TITLE: TeensyLED	VERSION: X2
Document Number: 15041400	REV: 15052000
Date: 5/20/15 9:35 PM	Sheet: 3/4

DMX Interface

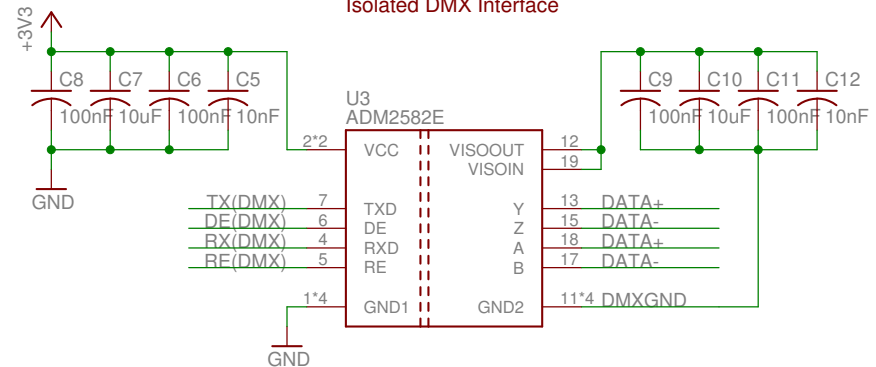
RJ45 DMX Connector



DMX Signal Polarity Jumper



Isolated DMX Interface



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VERSION: X2

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Sheet: 4/4