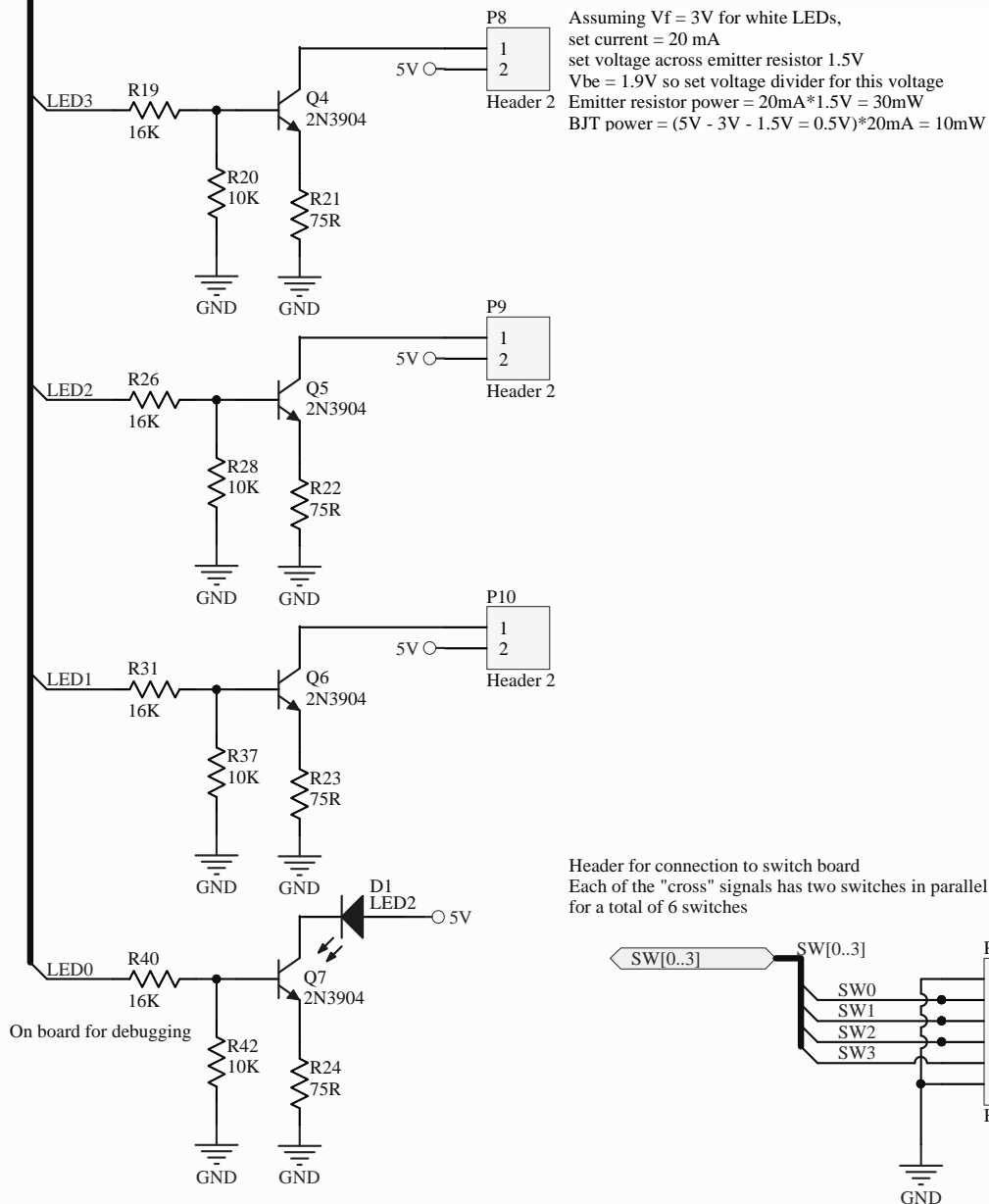
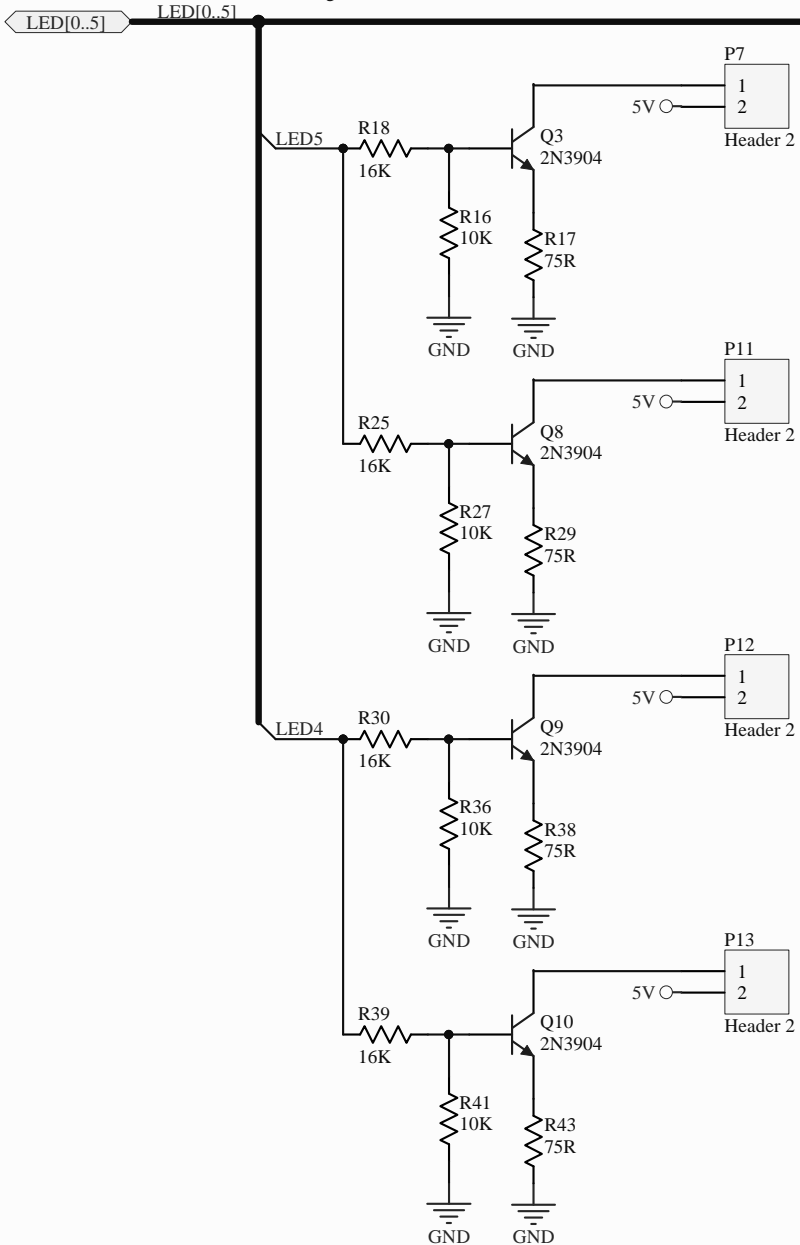


Individual headers for Plexiglass mounted LEDs



Assuming $V_f = 3V$ for white LEDs,
set current = 20 mA
set voltage across emitter resistor 1.5V
 $V_{be} = 1.9V$ so set voltage divider for this voltage
Emitter resistor power = $20mA * 1.5V = 30mW$
BJT power = $(5V - 3V - 1.5V) * 20mA = 10mW$

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File:	C:\Users\...\BoardRev2_UI.SchDoc	Drawn By: