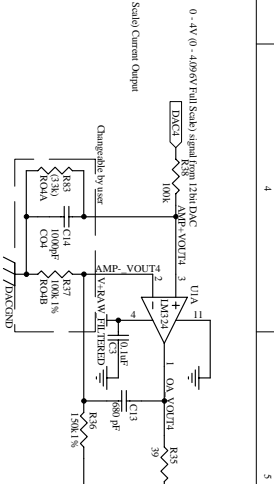
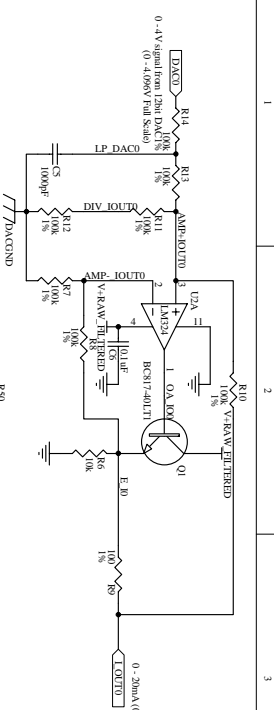
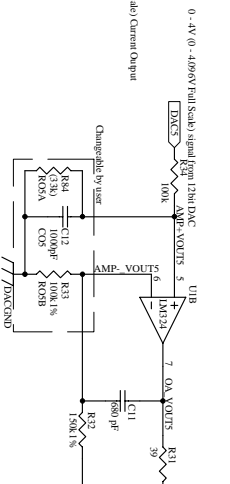
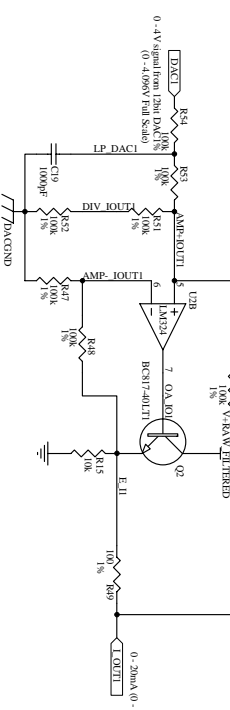


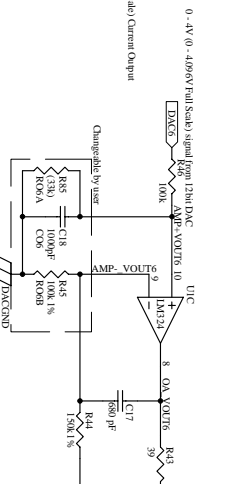
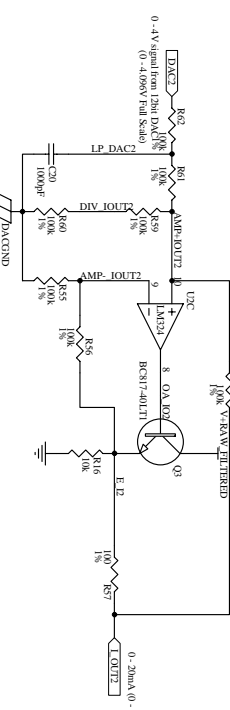
Equations:
 For $V_{in} > 2V$
 $R_A = 60k / (V_{in} - 2V)$
 $R_B = 100k$
 For $V_{in} < 2V$
 $R_A = \text{Infinity}$
 $R_B = (V_{in} - 75k) / (2V - V_{in})$
 i.e. $V_{in} = 0.1V, R_B = 3.95k$



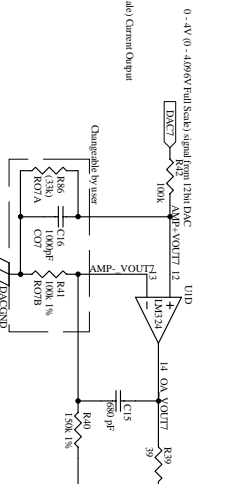
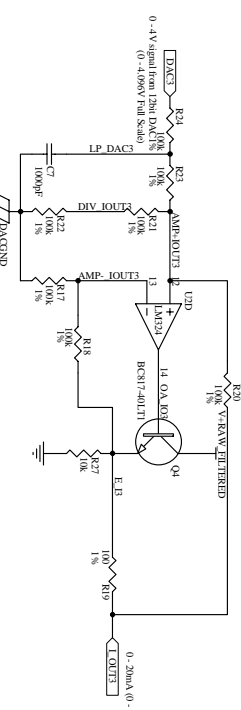
Equations:
 For $V_{IS} > 4.096V$
 $R_B = 1.58k \Omega$
 For $V_{IS} < 4.096V$
 $R_B = 100k \Omega$
 $R_B = \text{Infinity}$



Equations:
 For $V_{IS} > 4.096V$
 $R_B = 1.58k \Omega$
 For $V_{IS} < 4.096V$
 $R_B = 100k \Omega$
 $R_B = \text{Infinity}$



Equations:
 For $V_{IS} > 4.096V$
 $R_B = 1.58k \Omega$
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Equations:
 For $V_{IS} > 4.096V$
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 $R_B = 100k \Omega$
 $R_B = \text{Infinity}$

Title: **Current and Voltage Outputs**
 Project: Signal Conditioning Wildcard
 Schem: A
 Designer: Bill Clifford
 Rev: 3
 Date: 4/20/2007 11:29:25
 Sheet 2 of 3

