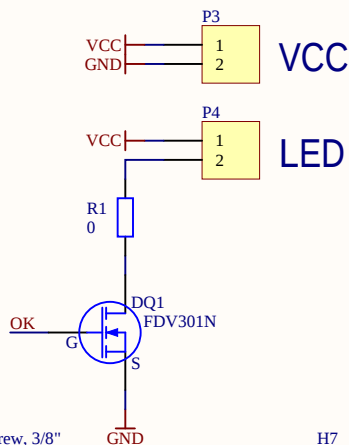
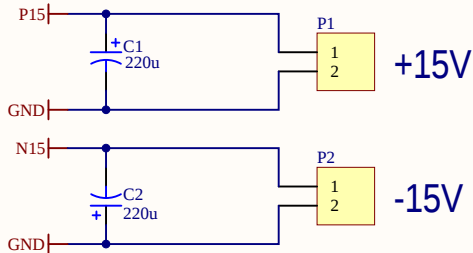
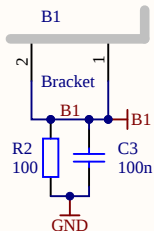
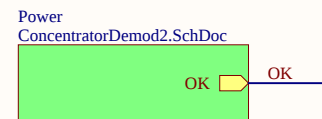
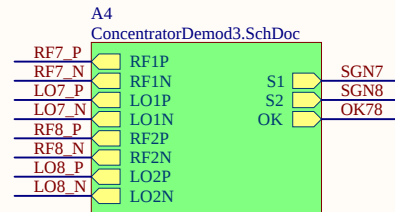
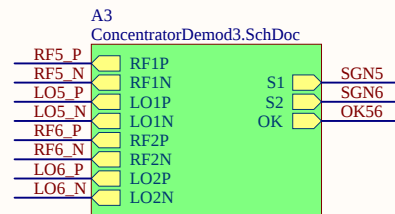
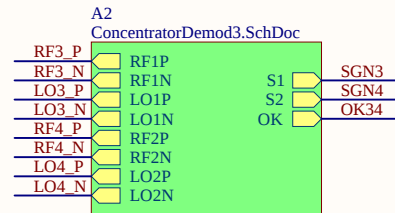
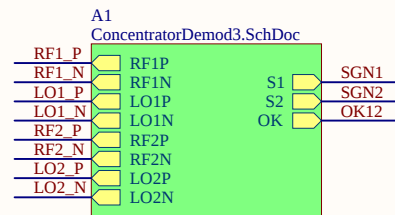
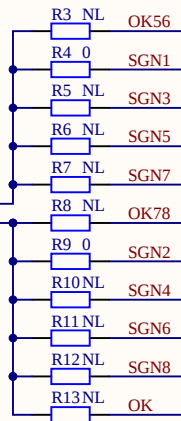
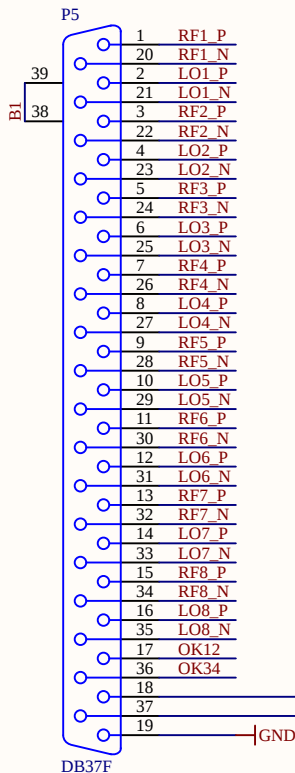
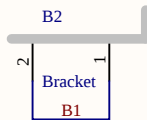




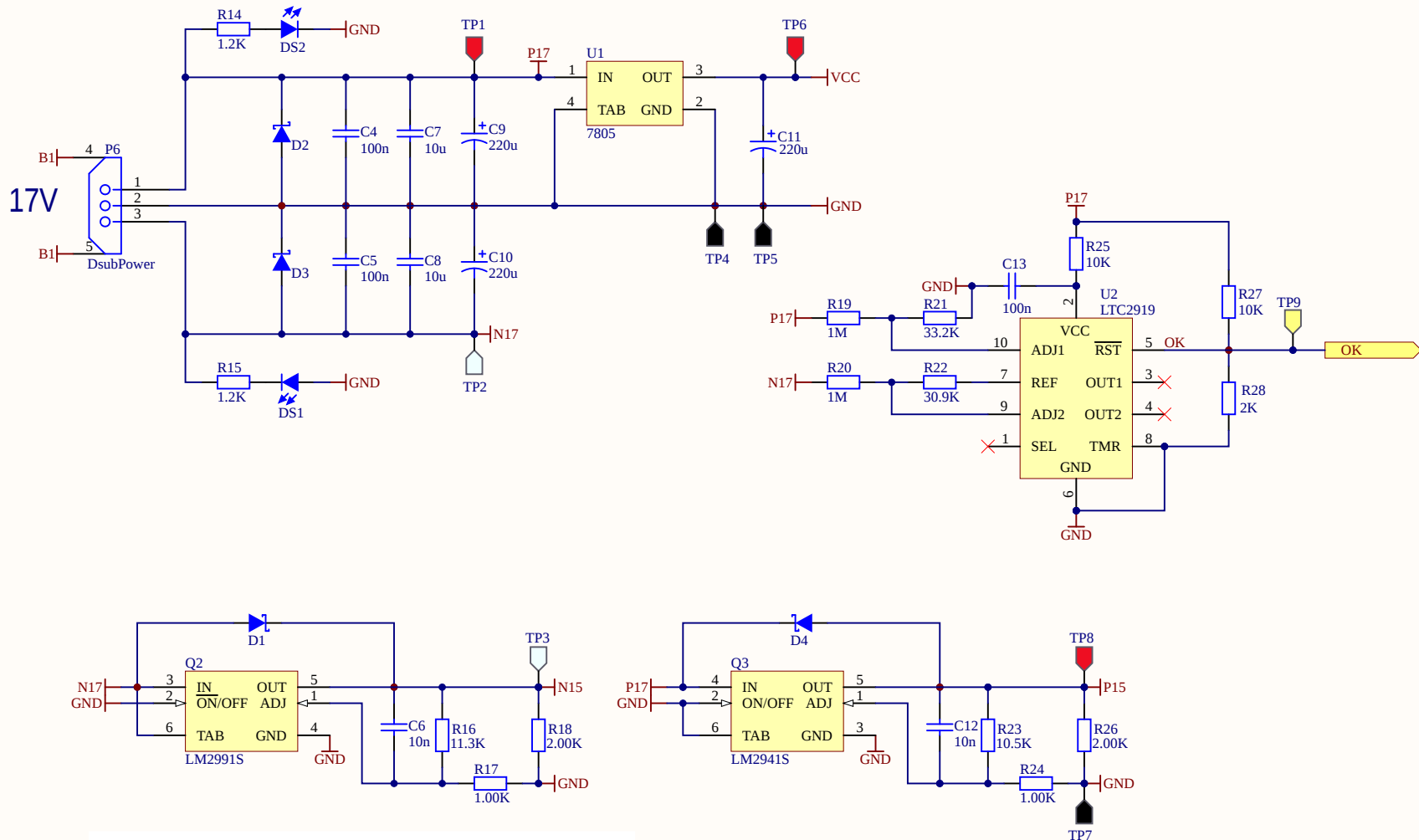
H1 #4 screw, 3/8"
H2 #4 screw, 3/8"
McMaster-Carr
90272A108
H3 #4 lock washer
H4 #4 lock washer
McMaster-Carr
91113A005
H5 #4 nut
H6 #4 nut
McMaster-Carr
90480A005



H7 #4 screw, 3/8"
H8 #4 screw, 3/8"
H9 #4 lock washer
H10 #4 lock washer
H11 #4 nut
H12 #4 nut



Title		
Controls Concentrator Demodulator		
Size	Number	Revision
A	D1100692	1
Date:	7/25/2024	Sheet 1 of 3
File:	C:\Users\...\ConcentratorDemod1.SchDoc	Drawn By: Daniel Sigg

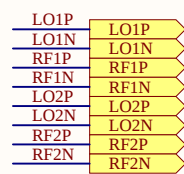
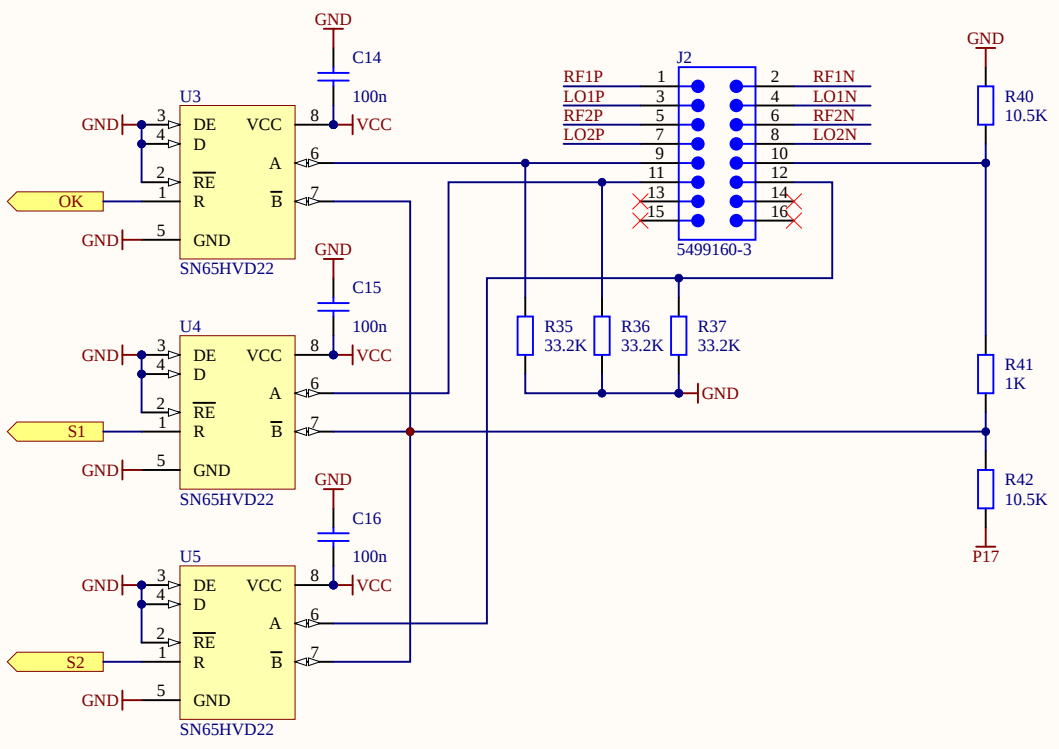
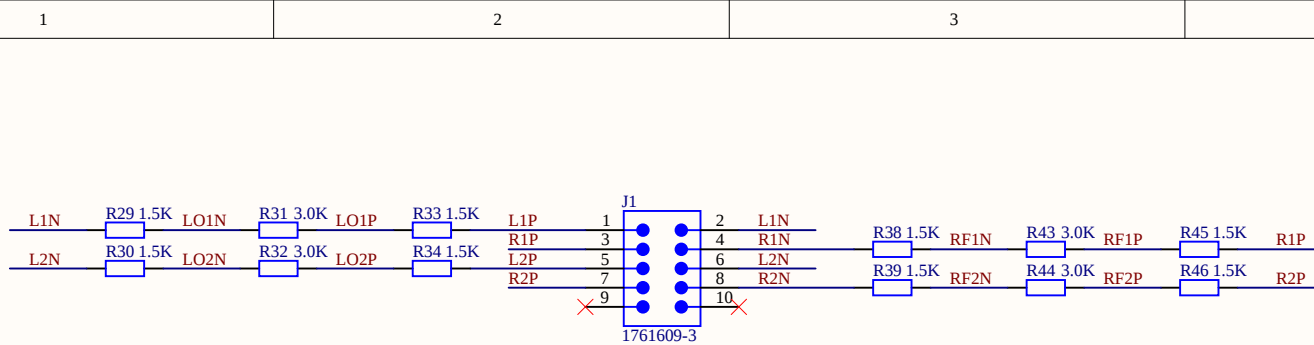


Undervoltage monitors:
OK low indicates a supply fault.

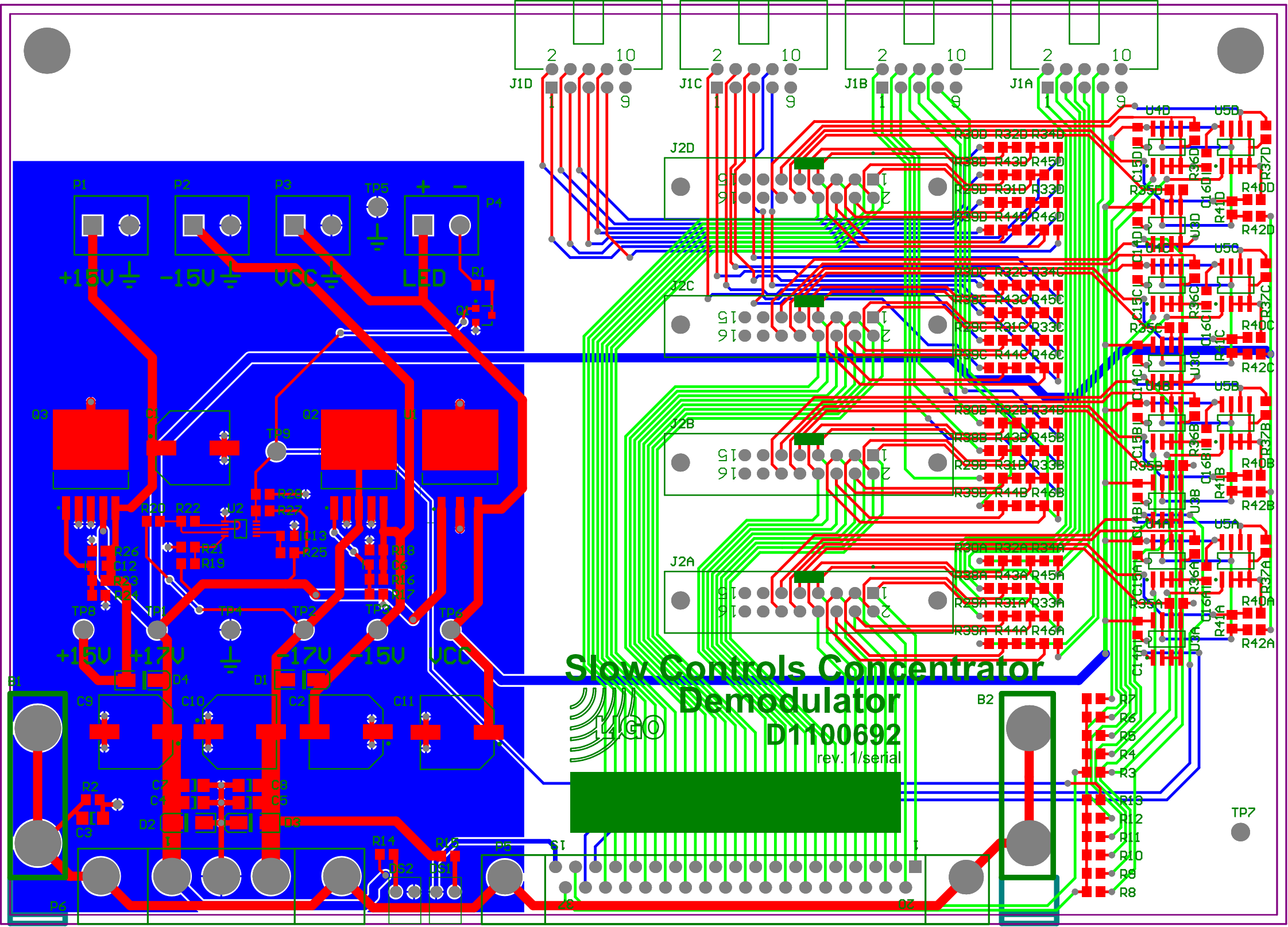
Positive: $V_{Trip} = (R3/R7 + 1) / 2$
Negative: $V_{Trip} = (1 - R4/R8) / 2$

P17: $V_{Trip} = +15.6V$
N17: $V_{Trip} = -15.7V$

Title		
Controls Concentrator Demodulator		
Size	Number	Revision
A	D1100692	1
Date:	7/25/2024	Sheet 2 of 3
File:	C:\Users\...\ConcentratorDemod2.SchDoc	Drawn By: Daniel Sigg



Title		
Controls Concentrator Demodulator		
Size	Number	Revision
A	D1100692	1
Date:	7/25/2024	Sheet 3 of 3
File:	C:\Users\...\ConcentratorDemod3.SchDoc	Drawn By: Daniel Sigg



Slow Controls Concentrator

Demodulator

D1100692

rev. 1/serial

U1G0

TP7