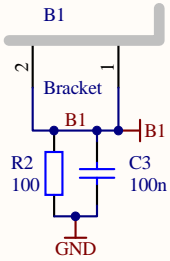
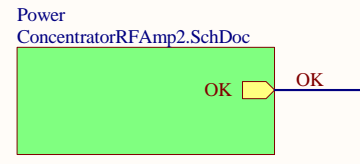
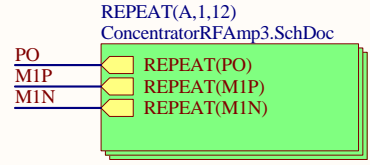
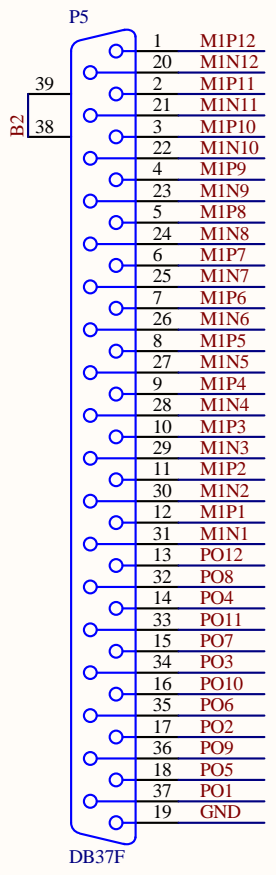
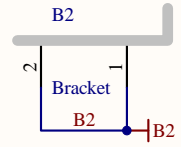


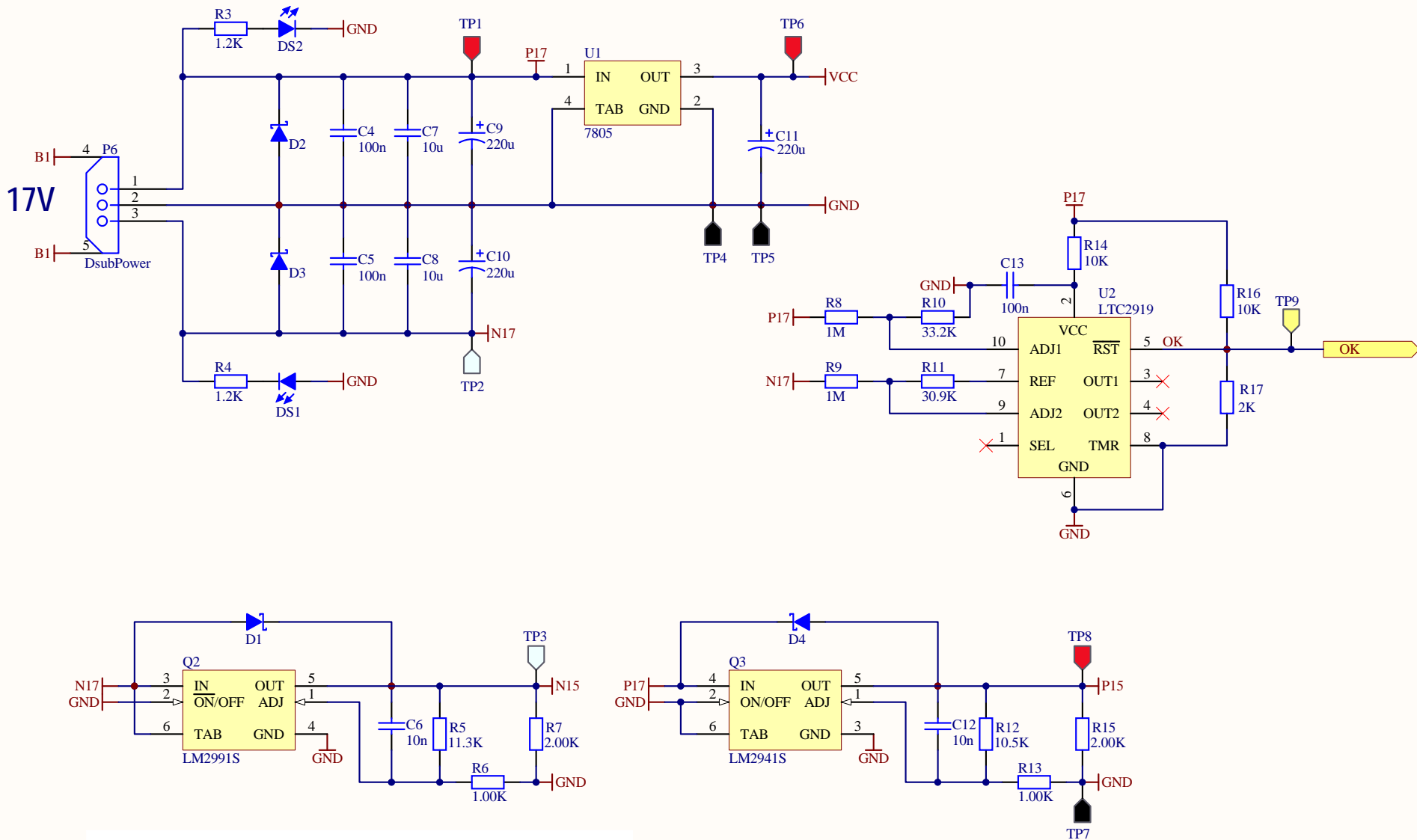
- H1 #4 screw, 3/8"
- H2 #4 screw, 3/8"
- McMaster-Carr 90272A108
- H3 #4 lock washer
- H4 #4 lock washer
- McMaster-Carr 91113A005
- H5 #4 nut
- H6 #4 nut
- McMaster-Carr 90480A005



- H7 #4 screw, 3/8"
- H8 #4 screw, 3/8"
- McMaster-Carr 91099A165
- H9 #4 lock washer
- H10 #4 lock washer
- H11 #4 nut
- H12 #4 nut
- H13 Bottom bracket
- LIGO D0901853-v1



Title			Controls Concentrator RF Amp		
Size	Number	Revision			
A	D1100259	1			
Date:	4/3/2011	Sheet 1 of 3			
File:	C:\Users\...\ConcentratorRFAmp1.SchDoc	Drawn By: Daniel Sigg			

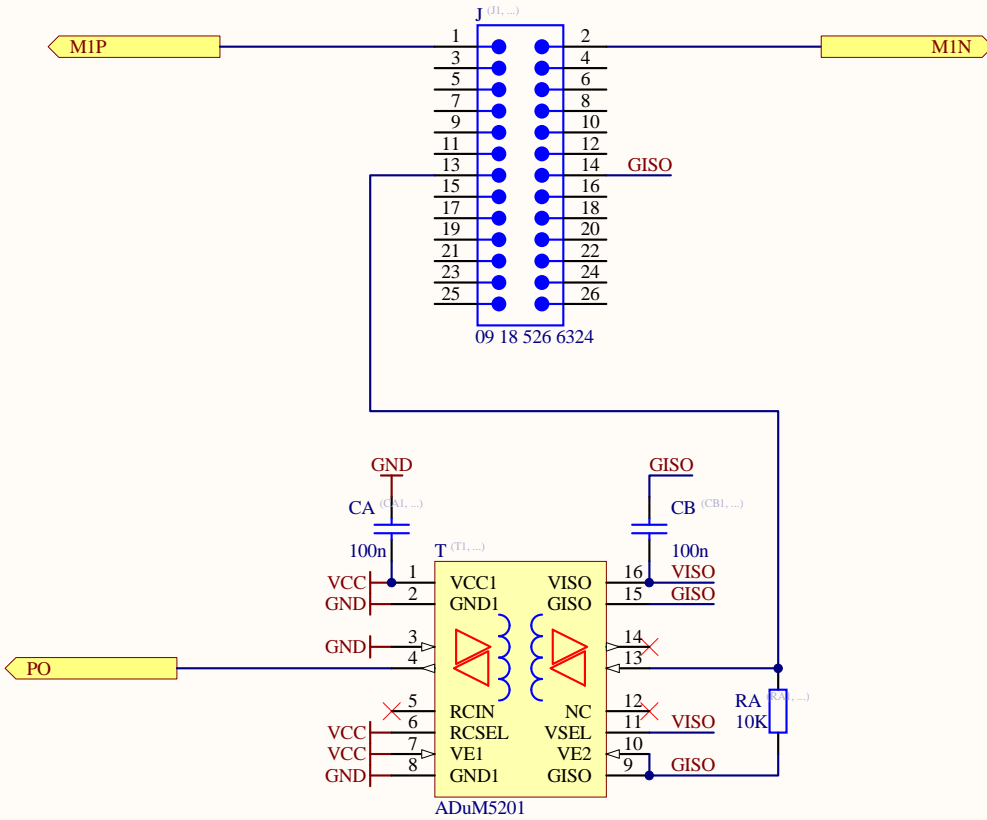


Undervoltage monitors:
OK low indicates a supply fault.

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 RF Amp		
Size	Number	Revision
A	D1100259	1
Date:	4/3/2011	Sheet 2 of 3
File:	C:\Users\...\ConcentratorRF Amp2.SchDoc	Drawn By: Daniel Sigg



Title		
Controls Concentrator RF Amp		
Size	Number	Revision
A	D1100259	1
Date:	4/3/2011	Sheet 3 of 3
File:	C:\Users\...\ConcentratorRF Amp3.SchDoc	Drawn By: Daniel Sigg