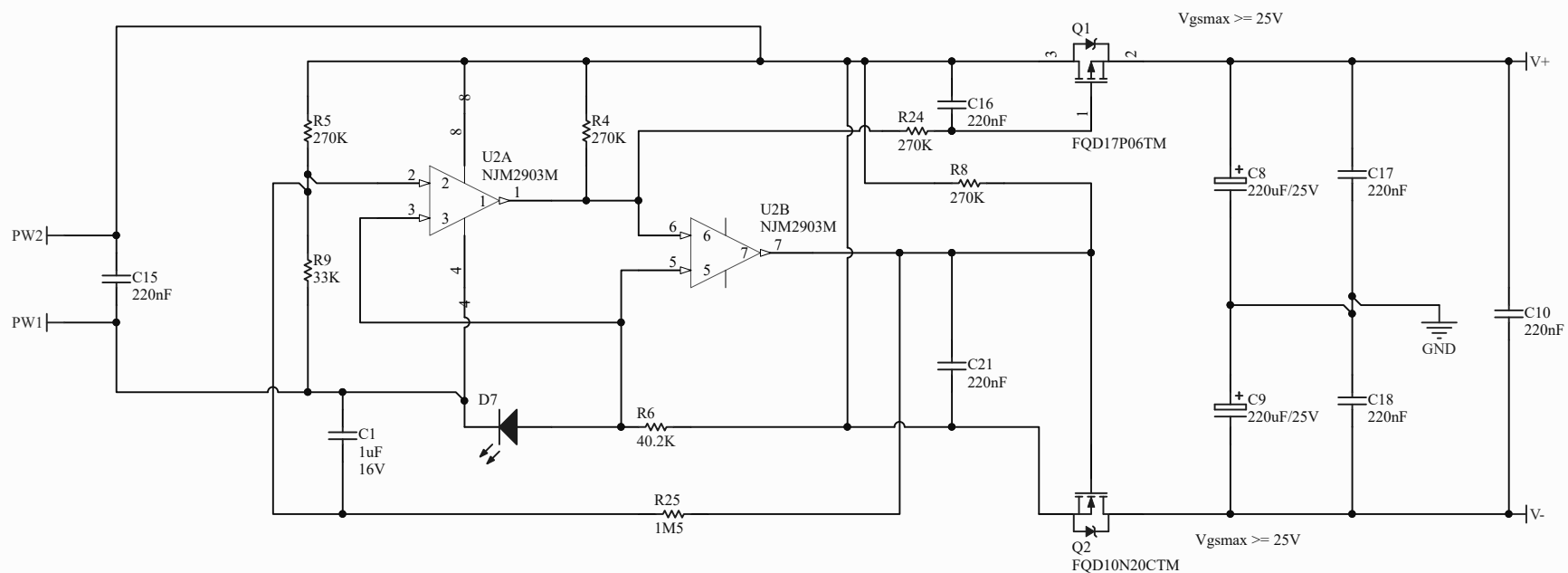
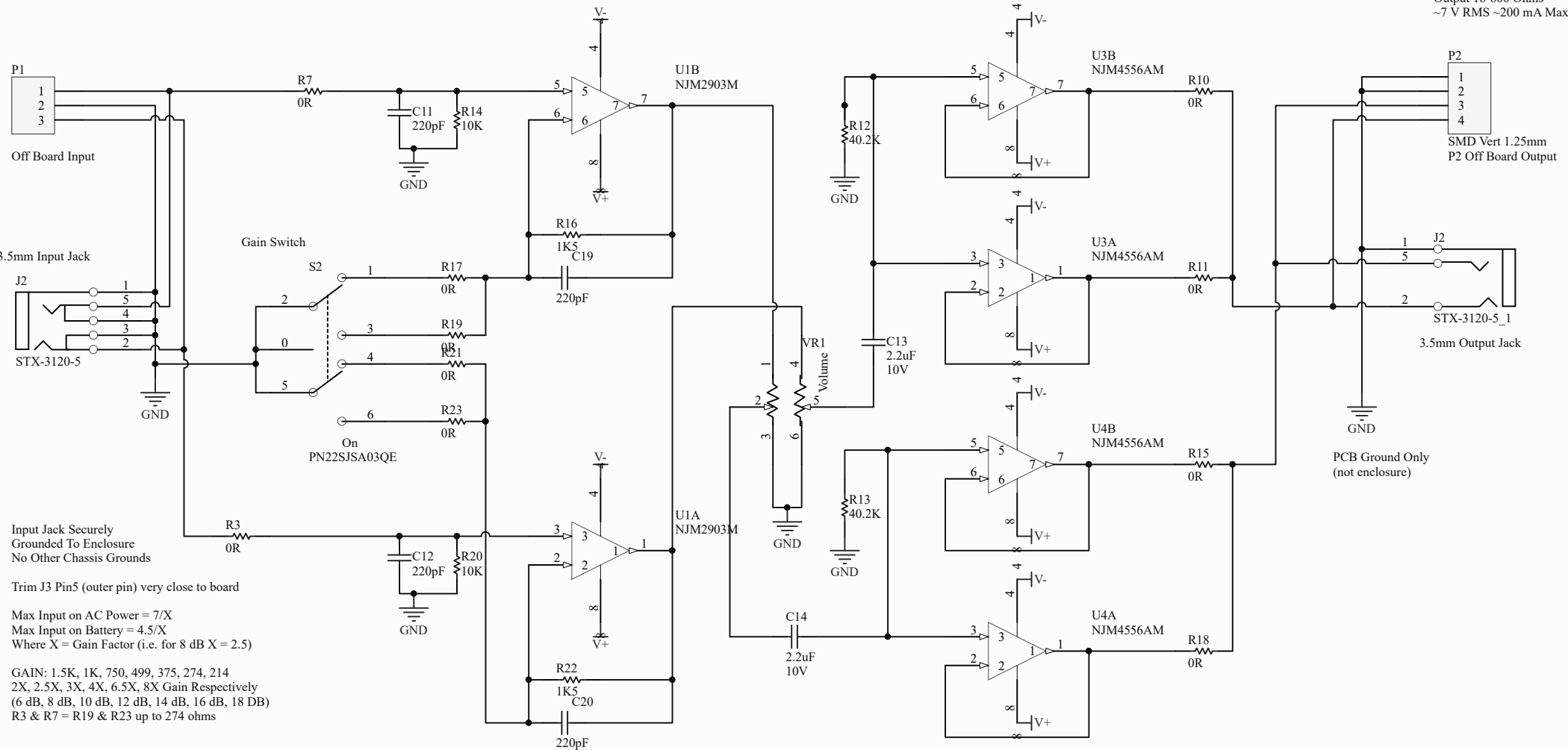


Title <i>AC Power Supply</i>		<i>ECE Department University of Canterbury Christchurch 8041 New Zealand</i>	Cannot open file P:\AltiumDesign\ner\Templates\user\logo.png
Drawn by Benjamin Williams			
Revision: 1			
Date: 9/02/2017 Time: 9:27:00 PM	Sheet 1 of 3		
File: C:\Users\bgw50\Desktop\AC Power Supply.SchDoc			





Input Jack Securely
Grounded To Enclosure
No Other Chassis Grounds

Trim J3 Pin5 (outer pin) very close to board

Max Input on AC Power = 7/X
Max Input on Battery = 4.5/X
Where X = Gain Factor (i.e. for 8 dB X = 2.5)


GAIN: 1.5K, 1K, 750, 499, 375, 274, 214
2X, 2.5X, 3X, 4X, 6.5X, 8X Gain Respectively
(6 dB, 8 dB, 10 dB, 12 dB, 14 dB, 16 dB, 18 dB)
R3 & R7 = R19 & R23 up to 274 ohms

Output 16-600 Ohms
~7 V RMS ~200 mA Max

SMD Vert 1.25mm
P2 Off Board Output

STX-3120-5_1
3.5mm Output Jack

PCB Ground Only
(not enclosure)

Title <i>Gain Switch</i>		<i>ECE Department</i>		 UNIVERSITY OF CANTERBURY <i>Te Whare Wānanga o Waitaha</i> <small>CHRISTCHURCH NEW ZEALAND</small>
Drawn by bgw50		Revision: 1		
Date: 9/02/2017 Time: 9:27:00 PM		Sheet 3 of 3		
File: C:\Users\bgw50\Desktop\Main.SchDoc		<i>New Zealand</i>		